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0420.05: 5th Grade Language Arts -1

Course Description

Language Arts, grade five, based on Indiana Academic Standards for English/Language Arts, is integrated instruction emphasizing writing, speaking, and listening with interesting and age appropriate content. Students increase their vocabularies, including those that convey ideas and images, for reading and writing. Using discussion, reading, writing, art, music, movement, and drama, students respond to classic and contemporary literature. Students deliver oral responses to literature that demonstrate an understanding of ideas or images communicated by what they have read. The writing process is used during composition development. Students write multiple-paragraph compositions for different purposes and audiences, revising their writing as appropriate. Students use transitions to connect ideas when they write, and they use the conventions of Standard English in their written communications. Students listen to stories read aloud to them and write independently for meaning.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- The Writing Process
- Describing and Comparing Stories and Story Elements
- Narrative Components
- Narrator's Point of View and Comparing Point of View
- Finding Theme
- Figurative Language
- Multimedia Presentations
- Author's Claims and Reasons
- Verb Tenses, Commas, and Sentence Structure
- Main Idea and Supporting Details
- Relationships between events, ideas, and concepts in Scientific and Historical texts

0420.05: 5th Grade Language Arts -2

Course Description

Language Arts, grade five, based on Indiana Academic Standards for English/Language Arts, is integrated instruction emphasizing writing, speaking, and listening with interesting and age appropriate content. Students increase their vocabularies, including those that convey ideas and images, for reading and writing. Using discussion, reading, writing, art, music, movement, and drama, students respond to classic and contemporary literature. Students deliver oral responses to literature that demonstrate an understanding of ideas or images communicated by what they have read. The writing process is used during composition development. Students write multiple-paragraph compositions for different purposes and audiences, revising their writing as appropriate. Students use transitions to connect ideas when they write, and they use the conventions of Standard English in their written communications. Students listen to stories read aloud to them and write independently for meaning.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Research Writing
- Supporting ideas with evidence
- Presenting and Speaking
- Interjections
- Perfect Tense Verbs

0420.06: 6th Grade Language Arts -1

Course Description

Language Arts, grade six, based on Indiana's Academic Standards for English/Language Arts, is integrated instruction emphasizing reading, writing, speaking, listening, and media watching with interesting and age-appropriate content. Students apply skills they learned in earlier grades to make sense of longer, more challenging texts. Students interpret figurative language and words with multiple meanings. Students examine an author's choice of words and the logic of statements in nonfiction works. Students critique the believability of characters and plots in fiction works. Students read and respond to fiction selections – such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas. They also read and reflect on nonfiction selections – such as subject area books, biographies, magazines, and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment. Students apply language skills and strategies they learned in earlier grades. Using oral discussion, reading, writing, art, music, movement, and drama, students respond to fiction, nonfiction, and informational selections, or reality-based experiences, multimedia presentations, and classroom or group experiences. Students apply their research skills by writing or delivering reports that demonstrate the distinction between their own ideas and the ideas of others. Students use simple, compound, and complex sentences to express their thoughts. Students deliver oral presentations on problems and solutions and show evidence to support their views. Students also listen to literature read aloud to them and write independently for enjoyment.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Inferencing and Summarizing with citing text evidence
- Impact of Narrator's Point of View
- How text's structure contributes to the development of theme, characterization, setting, or plot
- Greek and Latin Roots
- Figures of Speech
- Theme of Text
- Compare and Contrast the experience of different mediums of storytelling
- Compare and Contrast different genres with similar themes and topics
- Integrate information from various formats to demonstrate understanding of a topic
- Explain how plot unfolds and characters' responses and changes throughout
- Sentence types
- Author's Perspective or Purpose
- Connotations and Denotations of words

Course Catalog



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- Narrative Writing
 - Using Context Clues and Impact of Word Choice
 - Research Writing
 - Pronoun Usage
 - Using Reference Materials for pronunciation and definitions

0420.06: 6th Grade Language Arts -2

Course Description

Language Arts, grade six, based on Indiana's Academic Standards for English/Language Arts, is integrated instruction emphasizing reading, writing, speaking, listening, and media watching with interesting and age-appropriate content. Students apply skills they learned in earlier grades to make sense of longer, more challenging texts. Students interpret figurative language and words with multiple meanings. Students examine an author's choice of words and the logic of statements in nonfiction works. Students critique the believability of characters and plots in fiction works. Students read and respond to fiction selections – such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas. They also read and reflect on nonfiction selections – such as subject area books, biographies, magazines, and newspapers, various reference or technical materials, and online information. Students self-select books of interest and read independently for enjoyment. Students apply language skills and strategies they learned in earlier grades. Using oral discussion, reading, writing, art, music, movement, and drama, students respond to fiction, nonfiction, and informational selections, or reality-based experiences, multimedia presentations, and classroom or group experiences. Students apply their research skills by writing or delivering reports that demonstrate the distinction between their own ideas and the ideas of others. Students use simple, compound, and complex sentences to express their thoughts. Students deliver oral presentations on problems and solutions and show evidence to support their views. Students also listen to literature read aloud to them and write independently for enjoyment.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Compare and Contrast Author's Presentation of events with another
- Engage in collaborative discussions
- Elaborate and reflect on ideas under discussion

0420.07: 7th Grade Language Arts -1

Course Description

Language Arts, grade seven, based on Indiana's Academic Standards for English/Language Arts, is integrated instruction emphasizing reading, writing, speaking, listening, and media watching with interesting and age-appropriate content. Students develop advanced skills and strategies in reading. Students understand comparisons, such as analogies and metaphors, and they begin to use their knowledge of roots and word parts to understand vocabulary. Students read and respond to short stories. Students use a variety of sentence structures and modifiers to express their thoughts. Students deliver a narrative piece of writing using descriptive details and imagery. Students write an informative essay focusing on word choice, sentence fluency, and thesis statements.

- Recommended Grade: 7
- Required Prerequisites: 6th Grade Language Arts
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Being Prepared
- Unit 2: Read It, Hear It, See It
- Unit 3: The Secret to Happiness
- Unit 4: Narratives
- Unit 5: Writing Strategies and Analyzing Text
- Unit 6: How to Read Poetry

Course Assessment and Participation Requirements

The course includes the following assessments:

- 22 Discussions
- 19 Assignments
- 7 Quizzes

0420.07: 7th Grade Language Arts -2

Course Description

Language Arts, grade seven, based on Indiana's Academic Standards for English/Language Arts, is integrated instruction emphasizing reading, writing, speaking, listening, and media watching with interesting and age-appropriate content. Students develop advanced skills and strategies in reading. Students understand comparisons, such as analogies and metaphors, and they begin to use their knowledge of roots and word parts. They also read and reflect on nonfiction selections – such as subject area books, biographies, magazines, and newspapers, various reference or technical materials, and online information. Students develop advanced skills and strategies in language. Using oral discussion, reading, writing, art, music, movement, and drama, students respond to fiction, nonfiction, and informational selections. Students use a variety of sentence structures and modifiers to express their thoughts.

- Recommended Grade: 7
- Required Prerequisites: 6th Grade Language Arts
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 7: Nonfiction Texts
- Unit 8: Research
- Unit 9: Expository Writing
- Unit 10: Argumentative/Persuasive Writing

Course Assessment and Participation Requirements

The course includes the following assessments:

- 20 Assignments
- 8 Quizzes

0420.08: 8th Grade Language Arts -1

Course Description

Language Arts, grade eight, based on Indiana's Academic Standards for English/Language Arts, is integrated instruction emphasizing reading, writing, speaking, listening, and media interest and age-appropriate content. Students begin to study the history and development of English vocabulary. Students begin to compare different types of writing as well as different perspectives on similar topics or themes. Students evaluate the logic of informational texts and analyze how literature reflects the backgrounds, attitudes, and beliefs of the authors. Students read and respond to fiction selections – such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas. They also read and reflect on nonfiction selections – such as subject area books, biographies, magazines, and newspapers, various reference or technical materials, and online information. Students get ready for the language challenges of high school materials. Students not only write or deliver research reports but also conduct their own research. Students use subordination, coordination, noun phrases, and other devices of English language conventions to indicate clearly the relationship between ideas.

- Recommended Grade: 8
- Required Prerequisites: 7th Grade Language Arts
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Personal Narratives
- Unit 2: Introduction to The Giver
- Unit 3: Influences in The Giver
- Unit 4: Informative Writing
- Unit 5: Diary of Anne Frank
- Unit 6: Poetry and Society
- Unit 7: Argumentative Writing
- Unit 8: Characterization

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 12 Assignments
- 16 Quizzes

0420.08: 8th Grade Language Arts -2

Course Description

Language Arts, grade eight, based on Indiana's Academic Standards for English/Language Arts, is integrated instruction emphasizing reading, writing, speaking, listening, and media interest and age-appropriate content. Students begin to study the history and development of English vocabulary. Students begin to compare different types of writing as well as different perspectives on similar topics or themes. Students evaluate the logic of informational texts and analyze how literature reflects the backgrounds, attitudes, and beliefs of the authors. Students read and respond to fiction selections – such as classic and contemporary literature, historical fiction, fantasy or science fiction, mystery or adventure, folklore or mythology, poetry, short stories, and dramas. They also read and reflect on nonfiction selections – such as subject area books, biographies, magazines, and newspapers, various reference or technical materials, and online information. Students get ready for the language challenges of high school materials. Students not only write or deliver research reports but also conduct their own research. Students use subordination, coordination, noun phrases, and other devices of English language conventions to indicate clearly the relationship between ideas. Students deliver an oral presentation.

- Recommended Grade: 8
- Required Prerequisites: 7th Grade Language Arts
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 9: Brown Girl Dreaming
- Unit 10: Brown Girl Dreaming Continued
- Unit 11: Other Minority Literary Works
- Unit 12: Compare and Contrast
- Unit 13: Determining Word Meanings
- Unit 14: Persuasive Speaking
- Unit 15: News and Media
- Unit 16: Research

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 12 Assignments
- 15 Quizzes

1090: Composition 9-12

Course Description

Composition 9-12 is designed to meet the state standards for writing. The course is writing intensive. Students can expect to produce writing pieces that are directed to real world and workplace writing, as well as writing directed towards academic and college preparation.

Students will be assessed on writing pieces according to the Six Traits of Writing: ideas, organization, voice, conventions, sentence fluency, and word choice. Students should produce works that reflect the writing process that includes pre-writing, editing, publishing, and revising.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Getting to Know You
- Unit 2: Writing Process, Grammar Review, Proofreading and Editing, and Six Traits Resources
- Unit 3: Letter of Introduction
- Unit 4: Writing for the World of Work
- Unit 5: Most Common Writing Errors
- Unit 6: Sharing What We Know
- Unit 7: Narrative Writing
- Unit 8: Descriptive Writing
- Unit 9: Persuasive Writing
- Unit 10: Share your Writing

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 10 Assignments
- 20 Quizzes

1002: English 9-1

Course Description

English 9-1 is designed to provide an opportunity for students to strengthen and improve individual skills in reading and writing. Emphasis will be placed on instruction and practice to help students achieve and maintain the skills necessary for success in high school, college, and careers. English 9 will further develop students' use of language as a tool for learning and thinking. Grammar and writing are emphasized, along with reading comprehension and analysis. Students will read and write frequently, acquire the fundamentals of grammar, and will broaden their vocabulary. Students will explore non-fiction articles, literary devices to aid in understanding literature, grammar, fictional short stories, and creative writing. Writing skills emphasized include organization, clarity, editing, and evidence-based support.

- Recommended Grade: 9
- Required Prerequisites: none
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Literature and Literary Devices
- Unit 2. Non-Fiction
- Unit 3. Literature/ Tales of Danger

Course Assessment and Participation Requirements

The course includes the following assessments:

- 13 Assignments
- 16 Quizzes

1002: English 9-2

Course Description

English 9-2 is designed to provide an opportunity for students to strengthen and improve individual skills in reading and writing. Emphasis will be placed on instruction and practice to help students achieve and maintain the skills necessary for success in high school, college, and careers. English 9 will further develop students' use of language as a tool for learning and thinking. Grammar and writing are emphasized, along with reading comprehension and analysis. Students will read and write frequently, acquire the fundamentals of grammar, and will broaden their vocabulary. Students will explore folktales, grammar, non-fiction articles, as well as non-fiction readings focused on cultural issues and rhetoric in the media, fictional short stories, and an argumentative essay. Writing skills emphasized include organization, clarity, editing, and evidence-based support.

- Recommended Grade: 9
- Required Prerequisites: none
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Suggested not required: Any grammar handbook for reference and any 9th-grade literature book

Major Topics and Concepts

- Unit 1. Literature: Stories about Heroism and Bravery
- Unit 2. The World Around Us
- Unit 3. Literature: Horror & Mystery

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 12 Assignments
- 18 Quizzes

1002: English 9-1 Honors

Course Description

English 9 Honors Semester 1 develops a student's reading, writing, and language skills at an accelerated level. Students read a variety of fiction and nonfiction texts during this semester. Fiction and nonfiction texts assigned in this course connect with daily life in our society. Additionally, throughout this honors course, students read a classic novel - *To Kill a Mockingbird*. Using these texts, students will enhance their skills in literary interpretation, analysis, comparison, and evaluation. Students will write responses to literature, as well as writing descriptive, narrative, and persuasive compositions.

- Recommended Grade: 9
- Required Prerequisites: none
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Independent Unit: *To Kill a Mockingbird*
- Unit 1: Literature and Literary Devices
- Unit 2: Non-Fiction
- Unit 3: Literature/Tales of Danger

Course Assessment and Participation Requirements

The course includes the following assessments:

- 14 Assignments
- 28 Quizzes

1002: English 9-2 Honors

Course Description

English 9 Honors Semester 2 develops a student's reading, writing, and language skills at an accelerated level. Students read a variety of fiction and nonfiction texts during this semester. Fiction and nonfiction texts assigned in this course connect with daily life in our society. Additionally, throughout this honors course, students will read a novella - *Jonathan Livingston Seagull*. Using these texts, students will enhance their skills in literary interpretation, analysis, comparison, and evaluation. During the course of the semester, students write creatively in a variety of genres, write an informative essay, and write a research-based argument.

- Recommended Grade: 9
- Required Prerequisites: none
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Independent Unit: Romeo and Juliet
- Unit 1: Literature: Stories about Heroism and Bravery
- Unit 2: The World Around Us
- Unit 3: Literature: Horror & Mystery

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 14 Assignments
- 25 Quizzes

1004: English 10-1

Course Description

English 10 includes a curriculum which covers all seven of the major standards dictated by the Indiana Department of Education. It is a course which combines the study of literature and writing. The reading selections for the course, writing assignments, and assessments involve many themes and ideas that directly impact the role of an adolescent in the 21st century. The chosen texts and assignments involve high-interest, teen-friendly selections. The course emphasizes making meaning from the comprehension of the text, as well as strengthening writing and critical thinking skills.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 or teacher recommendation
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required Novel for Semester 1: *Of Mice and Men* by John Steinbeck

Major Topics and Concepts

- Unit 1: Reading and Analyzing Nonfiction
- Unit 2: Reading and Analyzing Literature
- Unit 3: Writing Narratives
- Unit 4: Reading and Analyzing Novels
- Unit 5: Creating Presentations
- Unit 6: Analyzing Media
- Unit 7: Conducting Research
- Unit 8: Writing Arguments

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 9 Assignments
- 19 Quizzes

1004: English 10-2

Course Description

The second semester of English 10 builds on the skills learned in the first semester of English 10. Students are encouraged to think critically by incorporating more short answer and essay assignments. Many assignments ask students to look at a topic from multiple perspectives and to develop skills which allow them to express their learned knowledge via multiple assessment techniques. This course still includes a curriculum which covers all seven of the major standards dictated by the Indiana Department of Education. The reading selections for the course, writing assignments, and assessments involve many themes and ideas that directly impact the role of an adolescent in the 21st century. While the second semester of English 10 also incorporates high-interest selections for teens, it also makes use of some timeless and canonical pieces from literature.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 or teacher recommendation
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required Novel for Semester 2: *Tuesdays With Morrie* by Mitch Albom

Major Topics and Concepts

- Unit 1: Reading and Analyzing Literature
- Unit 2: Reading and Analyzing Nonfiction
- Unit 3: Writing Narratives
- Unit 4: Analyzing Media and Rhetoric
- Unit 5: Reading Memoirs
- Unit 6: Writing Arguments
- Unit 7: Reading and Analyzing Poetry

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 8 Assignments
- 15 Quizzes

1004: English 10-1 Honors

Course Description

The English 10-1 Honors course provides instruction in analyzing, researching, and persuading. Students are exposed to a variety of texts from a wide range of authors and historical contexts and will be expected to provide a written analysis of many of those texts. Students must be prepared for a rigorous experience that pushes them to achieve high-quality work using the technological resources available to them.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 Honors
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Analyzing and Interpreting Short Stories
- Unit 2: A Doll's House
- Unit 3: Informing and Explaining
- Unit 4: Argument and Persuasion

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 15 Assignments
- 14 Quizzes

1004: English 10-2 Honors

Course Description

The English 10-2 Honors course provides instruction in analyzing complex texts, discussing contemporary issues, and creating original works of literature. Students will get to experience classical texts that have influenced many aspects of contemporary literature. Students will be expected to connect the classical to the contemporary and understand the importance of the original text. Students must be prepared for a rigorous course that pushes them to think critically and produce high-quality work.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 Honors
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Satire
- Unit 2: Rebellion and Ambition
- Unit 3: Justice and Morality

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 14 Assignments
- 15 Quizzes

1006: English 11-1

Course Description

This course follows the Indiana Academic Standards for English 11 and is a study of language, literature and composition. Students read and respond to various works of fiction and non-fiction with an emphasis on historical significance. The Transcendentalist movement is studied as well as the writers Ralph Waldo Emerson and Henry David Thoreau. Students research and write about important historical figures while composing an informational essay. Through the study of and use of rhetorical devices, students compose an argumentative essay. Works of fiction in the forms of a novel, short stories and poetry are analyzed and studied as well. Finally, students study and deliver multimedia projects that reflect their knowledge and understanding of course content.

- Recommended Grade: 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required Novel for Semester 1 Into the Wild by John Krakauer

Major Topics and Concepts

- Into The Wild
- Unit 1: Introduction
- Unit 2: Informational Essay
- Unit 3: Transcendentalism
- Unit 4: Poetry
- Unit 5: Argument

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 20 Assignments
- 13 Quizzes

1006: English 11-2

Course Description

This class will introduce students to various forms of American literature written during the Nineteenth and Twentieth Centuries. Students will explore more about the complexity of relationships through this literature while having the opportunity to reflect on the relationships in their own lives. Media projects will enhance this understanding! Students will study a variety of authors including F. Scott Fitzgerald, Emily Dickinson, E.E.Cummings, O.Henry, Willa Cather and Kate Chopin. The novel, *The Great Gatsby*, will be read and studied. As students study poetry, they will connect the format and content of poetry to current music. The short story unit will allow students the opportunity to read about different types of relationships and make the connection of these to their own lives. For writing, students will explore various forms of research-based writing including compare-contrast and argumentative types of writing. Better understanding the format of these types of writing will help in preparation for the writing component of the current SAT.

- Recommended Grade: 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required Novel for Semester 2: *The Great Gatsby* by Scott Fitzgerald

Major Topics and Concepts

- Unit 1: Introduction
- Unit 2: Research
- Unit 3: Novel: *The Great Gatsby*
- Unit 4: Poetry
- Unit 5: Short Story
- Unit 6: Argumentative Writing

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 10 Assignments
- 17 Quizzes

1008: English 12-1

Course Description

English 12-1 is an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11- 12. It is a study of language, literature, composition, and oral communication focusing on an exploration of point of view or perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of literature as well as nonfiction pieces related to the themes of relationships, conflict, and risk-taking. Students write narratives, responses to literature, academic essays and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts and tables. Students create grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

- Recommended Grade: 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, and English 11 or teacher recommendation
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Writing for Senior English
- Unit 2: Relationships Fiction
- Unit 3: Relationships Nonfiction
- Unit 4: Conflict in Relationships Project Photo Essay Project
- Unit 5: Taking Risks
- Unit 6: Performance Task
- Unit 7: Science and Technology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 13 Assignments
- 25 Quizzes

1008: English 12-2

Course Description

English 12-2 is an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11- 12. It is a study of language, literature, composition, and oral communication focusing on an exploration of point of view or perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of literature as well as nonfiction pieces related to the themes of protest, war, justice, and peace as well as thematic units on chasing success. Students write narratives, responses to literature, academic essays and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts and tables. Students create grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

- Recommended Grade: 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, and English 11 or teacher recommendation
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Writing for Senior English
- Unit 2: Protest, War, Justice, and Peace: Nonfiction
- Unit 3: Photo Essay
- Unit 4: Protest, War, Justice, and Peace: Fiction
- Unit 5: Media Literacy: Propaganda Posters
- Unit 6: Chasing Success Nonfiction
- Unit 7: Chasing Success Fiction

Course Assessment and Participation Requirements

The course includes the following assessments:

- 12 Assignments
- 27 Quizzes

1056: AP English Language and Composition 1

Course Description

AP English Language and Composition is a course based on the content established and copyrighted by the College Board. The course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. The course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. There is no prescribed sequence of study.

- Recommended Grade: 11,12 (College Board does not designate when this course should be offered).
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required: The Language of Composition 3rd Edition (ISBN-13: 978-1319056148 / ISBN-10: 1319056148) eBook rental: Chegg, eBook rental: Amazon (Do not use Kindle version)

Major Topics and Concepts

- Unit 1: Introducing Rhetoric
- Unit 2: Close Reading: The Art and Craft of Rhetorical Analysis
- Unit 3: Analyzing Arguments: From Reading to Writing
- Unit 4: Community- What is the Relationship of the Individual to the Community?
- Unit 5: Using Pop Culture to Understand Argument.

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 22 Assignments
- 17 Quizzes

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1056: AP English Language and Composition 2

Course Description

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course students should become aware of the interactions between a writer's purposes, audience expectations, and subjects, as well as the way conventions and the resources of language contribute to effective writing.

- Recommended Grade: 11,12 (College Board does not designate when this course should be offered).
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required: The Language of Composition 3rd Edition (ISBN-13: 978-1319056148 / ISBN-10: 1319056148) eBook rental: Chegg, eBook rental: Amazon (Do not use Kindle version)

Major Topics and Concepts

- Unit 6: Creating and Shaping an Argument
- Unit 7: Argumentative Essays with a Focus on Gender Roles
- Unit 8: Argument and Synthesis
- Unit 9: Documentary Study and Review

Course Assessment and Participation Requirements

The course includes the following assessments:

- 19 Assignments
- 10 Quizzes

1058: AP English Literature and Composition 1

Course Description

Through looking at literature from across time and the globe, AP Literature and Composition works to improve the student's ability to analyze literature and gain the tools to use analysis in other areas of study. As a College Board approved course, this course follows the requirements to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for the readers. Students will consider a works structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students will also acquire the vocabulary and writing skills necessary for high-level analysis and performance on the AP test. AP Literature and Composition 1 course focuses on Poetry, short stories, and drama. Much of the study focuses on terms that the student may be familiar with, but will look at works much more closely and develop a deeper understanding of how these devices work in literature.

- Recommended Grade: 11,12 (College Board does not designate when this course should be offered).
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Short Fiction
- Unit 2: Poetry I
- Unit 3: Longer Fiction or Drama I
- Unit 4: Short Fiction II

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 29 Assignments
- 8 Quizzes

1058: AP English Literature and Composition 2

Course Description

AP Literature and Composition 2 focuses on a review of terms from semester one through the study of a novel, short stories and poetry. Students will also review the various strategies used to analyze texts. Through looking at literature from across time and the globe, the course works to improve students' ability to analyze literature and gain the tools to use analysis in other areas of study. As a College Board approved course, this class looks to deepen students' understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will acquire the vocabulary and writing skills necessary for high-level analysis and performance on the AP test.

- Recommended Grade: 11,12 (College Board does not designate when this course should be offered).
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Poetry II
- Unit 2: Longer Fiction or Drama II
- Unit 3: Short Fiction III
- Unit 4: Poetry III/ Longer Fiction or Drama II

Course Assessment and Participation Requirements

The course includes the following assessments:

- 9 Discussions
- 28 Assignments
- 15 Quizzes

Mathematics

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0430.05: 5th Grade Mathematics -1

Course Description

Mathematics grade five standards are made up of six strands: Number Sense; Computation; Algebraic Thinking; Geometry; Measurement; and Data Analysis and Statistics. The skills listed in each strand indicate what students in grade five should know and be able to do in mathematics. Grade five students multiply and divide whole numbers; compare fractions, decimals and common percents; and add and subtract fractions and decimals. Students identify polygons and find the perimeter and area of triangles, parallelograms, and trapezoids. Students evaluate simple algebraic expressions and use coordinate grids to represent points in the first quadrant that fit linear equations. Students develop formulas to find the perimeter and area of basic two-dimensional geometric shapes. Students understand and use measures of central tendencies for data. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Order of Operations
- Graphing on a Coordinate Plane and Real World Problems
- Relationships between place values
- Patterns of Zeros and Multiplying by Powers of 10
- Using a number line to compare and order fractions, decimals, and mixed numbers
- Decimal Place Value
- Understanding Percents
- Multiplying and Dividing Whole Numbers and Decimals and Real World Problems
- Adding and Subtracting Decimals
- Adding and Subtracting Fractions with Unlike Denominators

0430.05: 5th Grade Mathematics -2

Course Description

Mathematics grade five standards are made up of six strands: Number Sense; Computation; Algebraic Thinking; Geometry; Measurement; and Data Analysis and Statistics. The skills listed in each strand indicate what students in grade five should know and be able to do in mathematics. Grade five students multiply and divide whole numbers; compare fractions, decimals and common percents; and add and subtract fractions and decimals. Students identify polygons and find the perimeter and area of triangles, parallelograms, and trapezoids. Students evaluate simple algebraic expressions and use coordinate grids to represent points in the first quadrant that fit linear equations. Students develop formulas to find the perimeter and area of basic two-dimensional geometric shapes. Students understand and use measures of central tendencies for data. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Multiplying and Dividing Fractions and Mixed Numbers and Real World Problems
- Area of a Parallelogram, Triangle, and Trapezoid
- Classifying Quadrilaterals and Triangles
- Converting Measurements within a System of Measure
- Volume of Rectangular Prisms and Composite Figures
- Measures of Center and Frequency
- Reading and Interpreting Data and Tables, Line Plots, Bar Graphs, and Line Graphs

0430.06: 6th Grade Mathematics -1

Course Description

Mathematics grade six standards are made up of five strands: Number Sense; Computation; Algebra and Functions; Geometry and Measurement; and Data Analysis and Statistics. The skills listed in each strand indicate what students in grade six should know and be able to do in mathematics. Grade six begins the transition from the heavy emphasis on numbers and operations at the elementary school level towards a more formalized understanding of mathematics that occurs at the high school level. Students connect previous knowledge of multiplication, division, and fractions to ratios and proportional relationships; extend previous understanding of the number system and operations to fractions and negative numbers; apply and extend previous understandings of the number line to plot coordinate pairs on a Cartesian (coordinate) plane; formalize algebraic thinking into algebraic expressions, equations, and inequalities; apply their previous knowledge of geometry in real world and mathematics situations; and begin to develop understanding of statistical variability and distributions. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Computation, Fractions, Decimals, Whole Numbers
- Number Sense
- Integers

0430.06: 6th Grade Mathematics -2

Course Description

Mathematics grade six standards are made up of five strands: Number Sense; Computation; Algebra and Functions; Geometry and Measurement; and Data Analysis and Statistics. The skills listed in each strand indicate what students in grade six should know and be able to do in mathematics. Grade six begins the transition from the heavy emphasis on numbers and operations at the elementary school level towards a more formalized understanding of mathematics that occurs at the high school level. Students connect previous knowledge of multiplication, division, and fractions to ratios and proportional relationships; extend previous understanding of the number system and operations to fractions and negative numbers; apply and extend previous understandings of the number line to plot coordinate pairs on a Cartesian (coordinate) plane; formalize algebraic thinking into algebraic expressions, equations, and inequalities; apply their previous knowledge of geometry in real world and mathematics situations; and begin to develop understanding of statistical variability and distributions. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Geometry and Measurement
- Data Analysis and Statistics
- Algebra and Functions

0430.07: 7th Grade Mathematics -1

Course Description

Mathematics grade seven standards are made up of five strands: Number Sense; Computation; Algebra and Functions; Geometry and Measurement; and Data Analysis, Statistics, and Probability. The skills listed in each strand indicate what students in grade seven should know and be able to do in mathematics. Grade seven continues the trajectory towards a more formalized understanding of mathematics that occurs at the 8th grade level and into Algebra that was started in grades 5 and 6. Students extend their understanding of rational numbers to develop an understanding of irrational numbers; connect ratio and proportional reasoning to lines and linear functions; define, evaluate, compare, and model with functions; build understanding of congruence and similarity; identify and define slope as a rate of change in real world situations; and extend their understanding of statistics and probability by investigating patterns various kinds of data. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App (free for students)
- Webcam and microphone

Major Topics and Concepts

- Unit 1: Rational Numbers: Properties and Operations
- Unit 2: Number Sense
- Unit 3: Expressions
- Unit 4: All About Equations
- Unit 5: Inequalities

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 10 Assignments
- 31 Quizzes

0430.07: 7th Grade Mathematics -2

Course Description

Mathematics grade seven standards are made up of five strands: Number Sense; Computation; Algebra and Functions; Geometry and Measurement; and Data Analysis, Statistics, and Probability. The skills listed in each strand indicate what students in grade seven should know and be able to do in mathematics. Grade seven continues the trajectory towards a more formalized understanding of mathematics that occurs at the 8th grade level and into Algebra that was started in grades 5 and 6. Students extend their understanding of rational numbers to develop an understanding of irrational numbers; connect ratio and proportional reasoning to lines and linear functions; define, evaluate, compare, and model with functions; build understanding of congruence and similarity; identify and define slope as a rate of change in real world situations; and extend their understanding of statistics and probability by investigating patterns various kinds of data. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App (free for students)
- Webcam and microphone

Major Topics and Concepts

- Unit 6: Proportional Relationships
- Unit 7: All Things Geometry
- Unit 8: Inferences
- Unit 9: It's a Probability

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 6 Assignments
- 22 Quizzes

0430.08: 8th Grade Mathematics - 1

Course Description

Mathematics grade eight standards are made up of five strands: Number Sense; Computation; Algebra and Functions; Geometry and Measurement; and Data Analysis, Statistics, and Probability. The skills listed in each strand indicate what students in grade eight should know and be able to do in mathematics. Grade eight continues the trajectory towards a more formalized understanding of mathematics that occurs at the high school level that was started in grades 6 and 7. Students extend their understanding of rational numbers to develop an understanding of irrational numbers; connect ratio and proportional reasoning to lines and linear functions; define, evaluate, compare, and model with functions; build understanding of congruence and similarity; understand and apply the Pythagorean Theorem; and extend their understanding of statistics and probability by investigating patterns of association in bivariate data. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App (free for students)
- Webcam and microphone

Major Topics and Concepts

- Unit 1: Number Sense
- Unit 2: Exponents
- Unit 3: Solving Linear Equations and Inequalities
- Unit 4: Graphing Equations in Two Variables
- Unit 5: Systems of Linear Equations

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 7 Assignments
- 18 Quizzes

0430.08: 8th Grade Mathematics -2

Course Description

Mathematics grade eight standards are made up of five strands: Number Sense; Computation; Algebra and Functions; Geometry and Measurement; and Data Analysis, Statistics, and Probability. The skills listed in each strand indicate what students in grade eight should know and be able to do in mathematics. Grade eight continues the trajectory towards a more formalized understanding of mathematics that occurs at the high school level that was started in grades 6 and 7. Students extend their understanding of rational numbers to develop an understanding of irrational numbers; connect ratio and proportional reasoning to lines and linear functions; define, evaluate, compare, and model with functions; build understanding of congruence and similarity; understand and apply the Pythagorean Theorem; and extend their understanding of statistics and probability by investigating patterns of association in bivariate data. Using the Process Standards for Mathematics in a planned and deliberate method to present the mathematics content standards will prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of the mathematics. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App (free for students)
- Webcam and microphone

Major Topics and Concepts

- Unit 6: Functions
- Unit 7: Transformations
- Unit 8: Similarity and Triangles
- Unit 9: Geometry
- Unit 10: Patterns of Data and Probability

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 9 Assignments
- 30 Quizzes

2516: Algebra I-1 Lab

Course Description

Algebra I Lab is a mathematics support course for Algebra I. This course provides students with additional time to build the foundations necessary for high school math courses, but more specifically Algebra I. However, whereas Algebra I contains exclusively grade-level content, Algebra I Lab combines standards from high school courses with foundational standards from the middle grades. This course is designed to bridge gaps from the Middle school to Algebra I.

Algebra I Lab is designed as a support course for Algebra I. A student taking Algebra I Lab must enroll in Algebra I in the next semester.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a mathematics course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Whole Numbers
- Unit 2: Fractions and Mixed Numbers
- Unit 3: Decimals
- Unit 4: Ratios, Rates, and Proportions
- Unit 5: Solving Equations and Inequalities
- Unit 6: Graphing
- Unit 7: Analyzing and Graphing Linear Equations
- Unit 8: Systems of Equations

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 35 Quizzes

2516: Algebra I-2 Lab

Course Description

Algebra I Lab is a mathematics support course for Algebra I. This course provides students with additional time to build the foundations necessary for high school math courses, but more specifically Algebra I. However, whereas Algebra I contains exclusively grade-level content, Algebra I Lab combines standards from high school courses with foundational standards from the middle grades. This course is designed to bridge gaps from the Middle school to Algebra I.

Algebra I Lab is designed as a support course for Algebra I. A student taking Algebra I Lab must enroll in Algebra I in the next semester.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a mathematics course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Real Numbers
- Unit 2: Polynomials
- Unit 3: Factoring
- Unit 4: Quadratics
- Unit 5: Concepts in Statistics

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 23 Quizzes

2520: Algebra I-1

Course Description

The course provides a formal development of Algebraic skills and development and extends what was learned in middle school. Topics for the year include Real Numbers and Expressions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and Statistics. First semesters focus is on relationships between quantities, linear equations and inequalities, systems of equations and functions. The eight process standards are applied throughout the course. Along with the content standards the process standards ensure students experience mathematics as a useful and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills a Mathematics Course Requirement for all diplomas
- Fulfills the Algebra/Integrated Mathematics requirement for all diplomas
- Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors Diploma Should receive Credit for Algebra I by the end of Grade 9

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Scientific calculator with fraction key (ex. TI-30XSII)

Major Topics and Concepts

- Unit 1: Relationships Between Quantities and Expressions
- Unit 2: Linear Equations and Inequalities
- Unit 3: Systems of Linear Equations and Inequalities
- Unit 4: Qualitative Graphs/Comparing and Contrasting Functions

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 42 Quizzes

2520: Algebra I-2

Course Description

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, (5) algebraic fractions, (6) nonlinear equations, (7) systems of equations and inequalities, (8) quadratics and exponential equations and expressions and (9) Data Analysis and Statistics.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I Semester 1
- Credits: 1 credit per semester
- Fulfills a Mathematics Course Requirement for all diplomas
- Fulfills the Algebra/Integrated Mathematics requirement for all diplomas
- Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors Diploma Should receive Credit for Algebra I by the end of Grade 9

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Factoring
- Unit 2: Solving Quadratic Equations and Graphing Quadratics
- Unit 3: Exponents and Exponential Functions
- Unit 4: Interpreting and Representing Two Variable Functions

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Assignments
- 35 Quizzes

2522: Algebra II-1

Course Description

In this course you will be graphing, modeling, evaluating, and solving linear and absolute value equations/inequalities; graphing and solving systems of equations/inequalities; graphing and solving quadratic equations with real and complex roots; graphing and solving higher degree polynomial equations with real and complex roots and using the Fundamental Theorem of Algebra. There is a major emphasis in this course on describing all of these equations as functions, if possible, and defining domains, ranges, inverses, behaviors, extrema, and transformations. Function compositions and operations are also included. Many problems are presented with real-world practical context.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Credits: 1 credit per semester
- Fulfills a Mathematics Course Requirement for all diplomas
- Fulfills the Algebra/Integrated Mathematics III requirement for all diplomas

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Scientific or Graphing Calculator

Major Topics and Concepts

- Unit 1: Algebra in Review
- Unit 2: Solving Absolute Value Equations & Inequalities
- Unit 3: Functions
- Unit 4: Quadratic Functions
- Unit 5: Polynomial Functions of Higher Degrees
- Unit 6: Systems of Equations

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Assignment
- 47 Quizzes

2522: Algebra II-2

Course Description

This course builds on work from Algebra II-1. You will study radicals and roots and simplify multi-variable expressions. The study of functions picks up where Algebra II-1 left off by kicking off a complete study of rational functions followed by exponential & logarithmic functions presented as inverses. You will also solve equations and real-world problems involving these function types. Next, you will gather, study, and interpret data to make predictions about outcomes. You will measure central tendencies and spread and create visual representations of these summaries. You will also create and compare models of data using technology to calculate regression and determine best fit functions. The course ends by presenting various methods of counting and uses them to calculate probabilities.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Credits: 1 credit per semester
- Fulfills a Mathematics Course Requirement for all diplomas
- Fulfills the AlgebraII/Integrated Mathematics III requirement for all diplomas

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Scientific or Graphing Calculator

Major Topics and Concepts

- Unit 1: Radical Functions and Rational Exponents
- Unit 2: Exponential and Logarithmic Functions
- Unit 3: Rational Equations and Functions
- Unit 4: Probability and Statistics
- Unit 5: Data

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 35 Quizzes

2524: Analytical Algebra II-1

Course Description

Analytical Algebra II focuses on the application of mathematics in various disciplines including business, finance, science, career and technical education, and social sciences. This course covers most of the traditional Algebra II standards, but the focus is on the application of algebraic concepts rather than theoretical concepts.

Building on previous work with linear, and quadratic functions. Students should be able to model real-world problems with various functions using and translating between multiple representations. Additionally, students should be able to interpret key features of function models within a given context.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Credits: 1 credit per semester
- Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas
- If students use this course to fulfill this credit, the parent and student must sign a consent form at their school of record notifying the parent and the student that enrollment in Analytical Algebra II may affect the student's ability to attend a particular post-secondary educational institution or enroll in a particular course at a particular post-secondary educational institution because Analytical Algebra II may not align with academic requirements established by the post-secondary educational institution.

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Graphing Calculator OR you can use Desmos

Major Topics and Concepts

- Unit 1: Linear Functions
- Unit 2: Systems of Equations
- Unit 3: Quadratic Functions
- Unit 4: Polynomial Functions

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Assignments
- 16 Quizzes

2524: Analytical Algebra II-2

Course Description

Analytical Algebra II focuses on the application of mathematics in various disciplines including business, finance, science, career and technical education, and social sciences. This course covers most of the traditional Algebra II standards, but the focus is on the application of algebraic concepts rather than theoretical concepts.

Building on previous work with linear, quadratic, and exponential functions, Analytical Algebra II should extend to include polynomial, rational, radical, logarithmic, and other functions. Students should be able to model real-world problems with various functions using and translating between multiple representations. Additionally, students should be able to interpret key features of function models within a given context. Students should also build on previous work done with data analysis, statistics, including univariate and bivariate data, and probability.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Credits: 1 credit per semester
- Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas
- If students use this course to fulfill this credit, the parent and student must sign a consent form at their school of record notifying the parent and the student that enrollment in Analytical Algebra II may affect the student's ability to attend a particular post-secondary educational institution or enroll in a particular course at a particular post-secondary educational institution because Analytical Algebra II may not align with academic requirements established by the post-secondary educational institution.

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Graphing Calculator OR you can use Desmos

Major Topics and Concepts

- Unit 5: Graphing Exponential Functions
- Unit 6: Evaluate Logarithmic Functions
- Unit 7: Rational, Radical, and Other Functions
- Unit 8: Data Analysis, Statistics and Probability

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Assignments
- 19 Quizzes

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2532: Geometry -1

Course Description

Geometry is the study of the shape, size, and position of objects. Geometry allows a student to deepen their understanding of Geometric relationships and move towards the process of mathematical arguments. This semester focuses on four of the seven critical areas of Geometry: Logic and Proofs, Transformations, Points, Lines, and Planes, and Triangles.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Credits: 1 credit per semester
- Fulfills a Mathematics Course Requirement for all diplomas
- Fulfills the Geometry/Integrated Mathematics requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Scientific Calculator
- Compass

Major Topics and Concepts

- Unit 1: Transformation
- Unit 2: Logic and Reasoning
- Unit 3: Geometric Properties of Lines
- Unit 4: Angles and Lines
- Unit 5: Properties of Triangles
- Unit 6: Congruent Triangle
- Unit 7: Triangle Similarity
- Unit 8: Properties of Polygons

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 53 Quizzes

2532: Geometry -2

Course Description

Geometry is the study of the shape, size, and position of objects. Geometry allows a student to deepen their understanding of Geometric relationships and move towards the process of mathematical arguments. This semester focuses on three of the seven critical areas of Geometry: Quadrilaterals and Other Polygons, Circles, and Three-Dimensional Solids. Real world application problems are stressed in this semester to help students apply their geometric knowledge to the real world.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- Credits: 1 credit per semester
- Fulfills a Mathematics Course Requirement for all diplomas
- Fulfills the Geometry/Integrated Mathematics requirement for Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Scientific Calculator
- Compass

Major Topics and Concepts

- Unit 1: Triangles
- Unit 2: Polygons
- Unit 3: Perimeter and Area
- Unit 4: Circles
- Unit 5: Surface Area
- Unit 6: Volumes

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 50 Quizzes

2564: Pre-Calculus: Algebra

Course Description

Pre-Calculus is an extension of the material studied in an Algebra II course. The driving topic is the study of functions and their properties. Linear, quadratic and higher degree polynomial functions as well as logarithmic and exponential functions are studied and applied. Conic sections and parametric functions are explored in detail. The course concludes with an overview of sequences and series.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra II and Geometry or Integrated Mathematics III
- Credits: 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas

Required Materials

- Microsoft or Google Docs(See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- TI-84 Graphing Calculator (TI-83 is also acceptable) or TI-Nspire Graphing Calculator.

Major Topics and Concepts

- Unit 1: Functions and Their Graphs
- Unit 2: Polynomial and Rational Functions
- Unit 3: Exponential and Logarithmic Functions
- Unit 4: Conic Sections
- Unit 5: Sequences and Series

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 39 Quizzes

2566: Pre-Calculus: Trigonometry

Course Description

Trigonometry is the study of side and angle relationships in triangles and their applications as well as the properties of trigonometric functions. Memorization of the common values of the trigonometric ratios on the unit circle provides a strong foundation for the rest of the course. Trigonometry in right triangles is studied initially and extended into non-right triangles using the Law of Sines and Law of Cosines. Graphs of trigonometric functions are explored including applications. Trigonometric identities are verified and used to solve equations. The concept of polar coordinates is introduced and applied to the topic of complex numbers.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra II and Geometry or Integrated Mathematics II
- Credits: 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- TI-84 Graphing Calculator (TI-83 is also acceptable) or TI-Nspire Graphing Calculator. Please note that a TI-89, and TI-Nspire CAS will not be allowed on the Final Exam.

Major Topics and Concepts

- Unit 1: Unit Circle
- Unit 2: Periodic Functions
- Unit 3: Analytic Trigonometry
- Unit 4: Law of Sines, Law of Cosines and Vectors
- Unit 5: Polar Coordinates and Complex Numbers

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 32 Quizzes

2546: Probability and Statistics

Course Description

Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision-making process. Probability and Statistics are made up of three strands: Data Analysis; Experimental Design; and Probability. Students will learn techniques to analyze quantitative and categorical data in one and two-variables. Practical examples based on real data are used throughout the course. Students will plan experiments and surveys, and analyze real data.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra II or Integrated Mathematics III or Analytical Algebra II
- Credits: 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Data Collections
- Unit 2: Probability
- Unit 3: Univariate Descriptive Statistics and Graphical Displays
- Unit 4: Bivariate Descriptive Statistics and Graphical Displays
- Unit 5: Inferential Statistics
- Unit 6: Applied Skills

Course Assessment and Participation Requirements

The course includes the following assessments:

- 15 Assignments
- 25 Quizzes

2562: AP Calculus AB-1

Course Description

AP Calculus AB-1 is the first semester of the year-long Calculus class that together with AP Calculus AB-2 is equivalent to one semester of a College Calculus class.

Calculus expands a student's knowledge of topics like functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, trigonometry, etc.

AP Calculus AB-1 is made of 3 strands: Limits and Continuity; Differentiation; and Applications of Derivatives. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade: 11, 12
- Required Prerequisites: Pre-Calculus: Algebra
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a mathematics course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- TI-84 Graphing Calculator (TI-83 is also acceptable) or TI-Nspire Graphing Calculator.

Major Topics and Concepts

- Unit 1: Limits and Continuity
- Unit 2: Differentiation: Definition and fundamental Properties
- Unit 3: Differentiation: composite, Implicit, and Inverse Functions
- Unit 4: Contextual Applications of Differentiation
- Unit 5: Analytical Applications of Differentiation

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 61 Quizzes

2562: AP Calculus AB-2

Course Description

AP Calculus AB-2 is the second semester of the year-long Calculus class that is equivalent to one semester of a College Calculus class. Calculus expands a student's knowledge of topics like functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, trigonometry, etc.

AP Calculus AB-2 is made of 2 strands: Integrals; and Applications of Integrals. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade: 11, 12
- Required Prerequisites: Pre-Calculus: Algebra
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a mathematics course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- TI-84 Graphing Calculator (TI-83 is also acceptable) or TI-Nspire Graphing Calculator.

Major Topics and Concepts

- Unit 4: Integration
- Unit 5: Derivatives and Integration of Logarithmic and Exponential Functions.
- Unit 6: Application of Integration (Area and Volumes)

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 3 Assignments
- 27 Quizzes

Science

[0460.05: 5th Grade Science -1](#)

[0460.05: 5th Grade Science -2](#)

[0460.06: 6th Grade Science -1](#)

[0460.06: 6th Grade Science -2](#)

[0460.07: 7th Grade Science -1](#)

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[3024: Biology I-1](#)

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[3044: Earth and Space Science I-1](#)

[3044: Earth and Space Science I-2](#)

[3108: Integrated Chemistry-Physics -1](#)

[3108: Integrated Chemistry-Physics -2](#)

[3084: Physics I-1](#)

[3084: Physics I-2](#)

[3020: AP Biology -1](#)

[3020: AP Biology -2](#)

0460.05: 5th Grade Science -1

Course Description

Incorporating the Science and Engineering Process Standards, students in grade five investigate the relationship between weight and volume and the differences between weight and mass. Students explore and model the solar system and patterns in the sun-moon-earth system. Students investigate the roles and relationships of producers and consumers in an ecosystem. Students explore the human musculoskeletal system. Students will also design and build prototypes.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Formation of the Solar System, Gravity, Orbits, and Celestial Bodies
- Structure of the Sun and the Sun's Role in the Solar System
- Phases of the Moon
- Newton's Law of Motion and Types of Forces
- States of Matter and Phase Changes

0460.05: 5th Grade Science -2

Course Description

Incorporating the Science and Engineering Process Standards, students in grade five investigate the relationship between weight and volume and the differences between weight and mass. Students explore and model the solar system and patterns in the sun-moon-earth system. Students investigate the roles and relationships of producers and consumers in an ecosystem. Students explore the human musculoskeletal system. Students will also design and build prototypes.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Ecosystems
- Food Chains and Food Webs
- Scientific Theories and Laws
- Scientific Method and Controlled Experiments

0460.06: 6th Grade Science -1

Course Description

Students in grade six understand the relationships between time and position when describing motion. Students understand the transfer of potential and kinetic energy. Students investigate properties of waves, including light, sound, and other energies. Students understand the relationships between celestial bodies and the force that keeps them in regular and predictable motion. Students describe the complex relationships that exist between organisms in all ecosystems and they understand that the major source of energy for all ecosystems is the sun. The science and engineering processes and engineering opportunities are integrated with content throughout the course. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- The Metric System
- Matter, Mass, Volume, and Density
- Forces and Vectors
- Stars
- Earth and the Moon
- Opaque Materials and Shadows
- The Solar System

0460.06: 6th Grade Science -2

Course Description

Students in grade six understand the relationships between time and position when describing motion. Students understand the transfer of potential and kinetic energy. Students investigate properties of waves, including light, sound, and other energies. Students understand the relationships between celestial bodies and the force that keeps them in regular and predictable motion. Students describe the complex relationships that exist between organisms in all ecosystems and they understand that the major source of energy for all ecosystems is the sun. The science and engineering processes and engineering opportunities are integrated with content throughout the course. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Biology and Ecology
- Animal Behavior, Food Chains, and Food Webs
- Green Plants and Seeds
- Photosynthesis and Transpiration
- Kinetic and Potential Energy
- The Law of Conservation of EnergyEnergy Sources
- Velocity, Work, Power, and Acceleration
- Newton's Laws of Motion

0460.07: 7th Grade Science -1

Course Description

Students in grade seven understand that energy cannot be created or destroyed, but only changed from one form into another or transferred from place to place. Students understand energy in relationship to solids, liquids, gasses, and heat transfer. Students describe how earth processes have shaped the topography of the earth and have made it possible to measure geological time. Students understand the natural processes of the earth and understand how the earth is constantly changing. Students understand the cellular structure of living organisms, from single-celled to multicellular. The science and engineering processes as well as engineering opportunities are integrated with content throughout the course. Along with the current academic standards for this subject, the Science/Technical Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App

Major Topics and Concepts

- Unit 1: Scientific Method
- Unit 2: Science and Engineering
- Unit 3: Physical Science
- Unit 4: Newton's Laws
- Unit 5: Energy Transfer

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 17 Assignments
- 15 Quizzes

0460.07: 7th Grade Science -2

Course Description

This semester, students in grade 7 study the Earth's history, investigating the different eras, evidence for these divisions, and the events that defined each era. Students distinguish between nonrenewable and renewable resources, their formation and how we use them on a daily basis. Students describe the smallest component of living organisms, the cell. They will discuss different types of cells and the smaller organelles that perform the functions of those cells. Students then describe how cells work together to form tissues, then organs, organ systems and organisms. The science and engineering processes as well as engineering opportunities are integrated with content throughout the course. Along with the current academic standards for this subject, the Science/Technical Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App

Major Topics and Concepts

- Unit 1: Earth History
- Unit 2: Renewable & Nonrenewable Resources
- Unit 3: Cell Structure & Function
- Unit 4: Cell Hierarchy

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 17 Assignments
- 13 Quizzes

0460.08: 8th Grade Science -1

Course Description

In this course students will learn the basics of scientific inquiry and the design process. Students will engage with the content by completing an at home experiment, and a prototype of an insulating device. Students will be introduced to atoms, learn the history of the atom, the structure of protons, neutrons and electrons. Students will learn how the periodic table is organized and discover the patterns within. Students will learn the basics of how elements bond together to form compounds, learn how to read and balance chemical equations.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Scientific Method
- Unit 2. Engineering/Experimentation
- Unit 3. Atoms and the Periodic Table
- Unit 4. Ions and Bonding
- Unit 5. Reactions

Course Assessment and Participation Requirements

The course includes the following assessments:

- 15 Assignments
- 15 Quizzes

0460.08: 8th Grade Science -2

Course Description

8th grade Science is based on the Indiana Academic Standards for Science. Students in the middle level program. Students continue incorporating science inquiry and the design process. They evaluate how organisms have evolved over thousands of years and learn to classify them based upon common traits. They also study how traits are determined genetically and predict outcomes for crosses between parents based upon genetic probabilities. They continue to study our Earth's water cycle and our impact on our atmosphere and the short and long term effects of our actions on our atmosphere and hydrosphere.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Life Science - Classification and Evolution
- Unit 2. Life Science - Genetics
- Unit 3. Life Science - Genetics Part 2
- Unit 4. Earth Science - Water Cycle
- Unit 5. Earth Science - Human Impact and Global Warming

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussions
- 13 Assignments
- 11 Quizzes

3092: Advanced Science: Forensics

Course Description

Advanced Science Topics: Introduction to Forensic Sciences allows students to learn the basics of the entire forensics laboratory. Students have opportunities to (1) gain an understanding of the history of forensics, (2) explore the uses of forensics as a career, (3) investigate forensic topics and how they relate to the everyday world. Since much of this course involves other science topics, a strong background in biology and chemistry is recommended.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology, Chemistry, or Integrated Chemistry-Physics
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: History of Forensics and Introduction to the Crime Lab
- Unit 2: The Crime Scene and Collecting Evidence
- Unit 3: Microanalysis (trace)
- Unit 4: Patterns in Forensics
- Unit 5: Forensic Chemistry
- Unit 6: Applications of Forensics

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 22 Assignments
- 15 Quizzes

5276: Anatomy and Physiology -1

Course Description

Anatomy and Physiology is an introductory course to the human body systems. You will study the structures and functions of these human body systems: integumentary, skeletal, muscular and nervous systems, along with general anatomy terms. You will also study how these systems work together to perform the functions necessary for life. As you learn the systems, you will put them together to build a model of the human body.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Levels of Organization in the Human Body
- Unit 2: Integumentary System
- Unit 3: Movement and Support - The Skeletal System
- Unit 4: Support and Movement - The Muscular System
- Unit 5: Integration and Coordination - The Nervous System
- Unit 6: Integration and Coordination, Somatic and Special Senses

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 36 Assignments
- 15 Quizzes

5276: Anatomy and Physiology -2

Course Description

Anatomy and Physiology is an introductory course to the human body systems. You will study the structures and functions of these human body systems: endocrine, cardiovascular, immune, respiratory, digestive, urinary, and reproductive systems. You will also study how these systems work together to perform the functions necessary for life. As you learn the systems, you will put them together to build a model of the human body.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Endocrine System
- Unit 2: Cardiovascular System
- Unit 3: Immune System
- Unit 4: Respiratory System
- Unit 5: Digestive System
- Unit 6: Urinary System
- Unit 7: Reproductive System

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 41 Assignments
- 13 Quizzes

3024: Biology I-1

Course Description

Biology is the science of living things. Modern technology has provided enormous new discoveries and an explosion of knowledge in the field. These advances allow students to not only learn about our natural environment on a macro- and microbiological level, but also to understand the role we play in its conservation and well-being. This course will be taught as a virtual laboratory science with an emphasis on the scientific approach to problem solving. Students will collect and analyze data and then link this data to learned information to create logical conclusions.

- Recommended Grade: 10
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills the Biology requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Intro to Bio
- Unit 2: Biological Molecules
- Unit 3: Cell Types, Structure, and the Microscope
- Unit 4: Cell Membrane and Cell Transport
- Unit 5: Cell Energetics

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 18 Assignments
- 21 Quizzes

3024: Biology I-2

Course Description

Biology I-2 is a continuation of the first semester. The advances in the study of life will allow students to not only learn of our natural environment and the role we possess in it, but also to discuss controversial issues such as evolution, conservation, and antibiotic resistance. This course will be taught as a virtual laboratory science with an emphasis on the scientific approach to problem solving. Students will collect and analyze data and link this data to learned information to create acceptable conclusions for the data.

- Recommended Grade: 9, 10
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills the Biology requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Cell Reproduction
- Unit 2: DNA, RNA, and Protein Synthesis
- Unit 3: Genetics
- Unit 4: Evolution
- Unit 5: Ecology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 23 Assignments
- 27 Quizzes

3064: Chemistry I-1

Course Description

Chemistry is the study of the structure and composition of matter that makes up all living and non-living material in the universe. Chemistry also investigates the changes of matter and the mechanisms by which these changes occur. This course covers topics such as matter, classification of matter, physical and chemical properties of matter, atomic structure, the organization of the periodic table, ionic and covalent bonding, nuclear chemistry and finally the mole. Also, virtual labs will be used to reinforce the concepts being taught.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra II (can be taken concurrently)
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer (Tablet needs Puffin app for internet browsing)
- Adobe Acrobat Reader

Major Topics and Concepts

- Introduction and Lab Safety
- Unit 1: Matter
- Unit 2: Density
- Unit 3: Atomic Structure
- Unit 4: Periodic Table
- Unit 5: Ionic Bonding
- Unit 6: Covalent Bonding
- Unit 7: Nuclear Chemistry

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 29 Assignments
- 31 Quizzes

3064: Chemistry I-2

Course Description

Chemistry is the study of the structure and composition of matter that makes up all living and non-living material in the universe. Chemistry also investigates the changes of matter and the mechanisms by which these changes occur. This course covers topics such as matter, changes in matter, chemical reactions, the mole concept, stoichiometry, gas chemistry, thermochemistry, solution chemistry and finally acid base chemistry. Virtual labs will be used to reinforce the concepts being taught.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra II (can be taken concurrently)
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer (Tablet needs Puffin app for internet browsing)
- Adobe Acrobat Reader

Major Topics and Concepts

- Introduction and Lab Safety
- Unit 1: Chemical Equations
- Unit 2: The Mole
- Unit 3: Stoichiometry
- Unit 4: Gas Laws
- Unit 5: Thermochemistry
- Unit 6: Solutions
- Unit 7: Acids and Bases

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 37 Assignments
- 27 Quizzes

3044: Earth and Space Science I-1

Course Description

Earth and Space Science I Semester 1 focuses on student understanding of the earth and its interconnected systems. Concepts include astronomy, rocks and minerals, geological change over time, and the Earth's history. Instruction is centered around student understanding that science knowledge is gained from observation and experimentation, performed through virtual simulations.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer (Tablet needs Puffin app for internet browsing)
- Adobe Acrobat Reader
- The course eBook that will be found in Canvas

Major Topics and Concepts

- Unit 1: Earth Science introduction and Earth's Place in the Universe
- Unit 2: Earth's Place in the Solar System
- Unit 3: Earth's Rocks and Minerals
- Unit 4: Our Changing Earth
- Unit 5: Earth's History

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 33 Assignments
- 20 Quizzes

3044: Earth and Space Science I-2

Course Description

Earth and Space Science I Semester 2 expands student understanding of Earth and its changing landscape, focusing on weathering and erosion. The Earth's atmosphere and hydrosphere, weather and climate, as well as how human factors may interact with these processes are also covered. Instruction is centered around student understanding that science knowledge is gained from observation and experimentation, performed through virtual simulations.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer (Tablet needs Puffin app for internet browsing)
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Earth's Changing Landscape
- Unit 2: Our Atmosphere
- Unit 3: Water and Energy Resources
- Unit 4: Humans and Earth Connections

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 26 Assignments
- 12 Quizzes

3108: Integrated Chemistry-Physics -1

Course Description

In Integrated Chemistry-Physics students will learn the basic laws and concepts of chemistry and physics. The first semester focuses on chemistry, where students will learn how to identify unknown substances based on chemical and physical properties, atomic properties, and chemical reactions between various substances.

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I (may be taken concurrently with this course)
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Properties of Matter
- Unit 2: States of Matter
- Unit 3: Patterns in the Periodic Table
- Unit 4: Chemical Reactions & Bonding

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 44 Assignments
- 7 Quizzes

3108: Integrated Chemistry-Physics -2

Course Description

In Integrated Chemistry-Physics 2 students will learn how to apply math in the sciences, the periodic table with its properties, how electricity and magnetism are related, the basics of nuclear energy, and how energy is a major concern of society.

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I (may be taken concurrently with this course)
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer (Tablet needs Puffin app for internet browsing)
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Motion
- Unit 2: Forces
- Unit 3: Electrical Forces
- Unit 4: Energy

Course Assessment and Participation Requirements

The course includes the following assessments:

- 37 Assignments
- 6 Quizzes

3084: Physics I-1

Course Description

Physics I-1 will acquaint students with basic physical laws and their applications. Students will utilize virtual labs and investigations to explore the following core topics: experimental design, constant velocity; constant acceleration; and forces. This course is ideal for someone who wants exposure to conceptual physics.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I or Algebra II
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer (Tablet needs Puffin app for internet browsing)
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Science Skills
- Unit 2: Graphing Representations of Motion
- Unit 3: 1D and 2D Motion
- Unit 4: Forces
- Unit 5: Applied Forces

Course Assessment and Participation Requirements

The course includes the following assessments:

- 35 Assignments
- 6 Quizzes

3084: Physics I-2

Course Description

Physics 1-2 is the study of matter and the energy of their interactions. Students will explore the following core topics: work, power, energy, momentum, simple harmonic oscillating systems; mechanical waves and sound; simple circuit analysis. Virtual labs will be used to reinforce the concepts being taught.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I or Algebra II
- Credits: 1 credit per semester
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer (Tablet needs Puffin app for internet browsing)
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Simple Circuits
- Unit 2: Simple Harmonic Motion
- Unit 3: Waves & Sound
- Unit 4: Work, Power & Energy
- Unit 5: Momentum

Course Assessment and Participation Requirements

The course includes the following assessments:

- 38 Assignments
- 2 Quizzes

3020: AP Biology -1

Course Description

AP Biology is an introductory college-level biology course based on the content established and copyrighted by the College Board. Students cultivate their understanding of biology through inquiry-based investigations. Semester 1 of this course will explore the first four units: Chemistry of Life, Cell Structure and Function, Cellular Energetics, and Cell Communication and the Cell Cycle.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology I and Chemistry I
- Credits: 1 credit per semester
- Counts as a science course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- [AP Biology OpenStax](#)

Recommended

- *Biology Student Study Guide* by Jane B. Reece, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Robert B. Jackson, Martha R. Taylor, 9th ed. 2011; ISBN: 978-0321629920. (Can be purchased on Amazon or Cheapbooks)

Major Topics and Concepts

- Writing Papers Using APA Format
- Unit 1: Chemistry of Life
- Unit 2: Cell Structure and Function
- Unit 3: Cell Energetics
- Unit 4: Cell Communication and Cell Cycle

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 18 Assignments
- 11 Quizzes

3020: AP Biology -2

Course Description

AP Biology is an introductory college-level biology course based on the content established and copyrighted by the College Board. Students cultivate their understanding of biology through inquiry-based investigations. Semester 2 of this course will explore the last four units: Heredity, Gene Expression and Regulation, Natural Selection, and Ecology.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology I and Chemistry I
- Credits: 1 credit per semester
- Counts as a science course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- [AP Biology OpenStax](#)

Recommended

- *Biology Student Study Guide* by Jane B. Reece, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Robert B. Jackson, Martha R. Taylor, 9th ed. 2011; ISBN: 978-0321629920. (Can be purchased on Amazon or Cheapbooks)

Major Topics and Concepts

- Unit 5: Heredity
- Unit 6: Gene Expression and Regulation
- Unit 7: Natural Selection
- Unit 8: Ecology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 26 Assignments
- 12 Quizzes

Social Studies

[0470.05: 5th Social Studies -1](#)

[0470.05: 5th Social Studies -2](#)

[0470.06: 6th Social Studies -1](#)

[0470.06: 6th Social Studies -2](#)

[0470.07: 7th Social Studies -1](#)

[0470.07: 7th Social Studies -2](#)

[0470.08: 8th Social Studies -1](#)

[0470.08: 8th Social Studies -2](#)

[1514: Economics](#)

[1516: Ethnic Studies](#)

[1570: Geography and History of the World -1](#)

[1570: Geography and History of the World -2](#)

[1518: Indiana Studies](#)

[1532: Psychology](#)

[1534: Sociology](#)

[1540: US Government](#)

[1542: US History -1](#)

[1542: US History -2](#)

[1548: World History and Civilization -1](#)

[1548: World History and Civilization -2](#)

[1564: AP Macroeconomics](#)

[1566: AP Microeconomics](#)

[1558: AP Psychology -1](#)

[1558: AP Psychology -2](#)

[1560: AP US Government and Politics](#)

[1562: AP US History -1](#)

[1562: AP US History -2](#)

[1612: AP World History: Modern -1](#)

[1612: AP World History: Modern -2](#)

0470.05: 5th Social Studies -1

Course Description

Students in grade five study the United States, focusing on the influence of physical and cultural characteristics on national origins, growth, and development up to 1800 through a formal exploration of United States history, geography, economics, government, current events, and cultural heritage. Emphasis should be placed upon study of Native American Indian cultures, European exploration, colonization, settlement, revolution against British rule, the founding of the Republic, and the beginnings of the United States. Students also learn to describe the major components of our national government and to demonstrate responsible citizenship in the classroom and school setting. Through active learning experiences at the fifth grade level, students' increasing interest in the ability to gather and organize data enables them to explore the physical and cultural characteristics of the United States and its neighbors. Students benefit from working and sharing in flexible groups so that they can become actively involved in "howto" demonstrations. Their natural interest in science, geography, and travel set the stage for experience involving maps, memorabilia, collections, simulations, educational games, group planned projects, first-person presentations, and school and community experiences.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Native American Groups prior to European Settlement
- Early Founders and Settlements in North America
- Interactions between Native Americans and Settlers
- Impact of European Settlement
- Daily Life for European Settlers in North America
- The American Revolution and Resistance

0470.05: 5th Social Studies -2

Course Description

Students in grade five study the United States, focusing on the influence of physical and cultural characteristics on national origins, growth, and development up to 1800 through a formal exploration of United States history, geography, economics, government, current events, and cultural heritage. Emphasis should be placed upon study of Native American Indian cultures, European exploration, colonization, settlement, revolution against British rule, the founding of the Republic, and the beginnings of the United States. Students also learn to describe the major components of our national government and to demonstrate responsible citizenship in the classroom and school setting. Through active learning experiences at the fifth grade level, students' increasing interest in the ability to gather and organize data enables them to explore the physical and cultural characteristics of the United States and its neighbors. Students benefit from working and sharing in flexible groups so that they can become actively involved in "howto" demonstrations. Their natural interest in science, geography, and travel set the stage for experience involving maps, memorabilia, collections, simulations, educational games, group planned projects, first-person presentations, and school and community experiences.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Branches of Government and Formation of Government after the Revolutionary War
- Early leaders of The United States of America
- Westward Expansion
- Slavery and The Underground Railroad
- Causes and Result of the Civil War
- Influential Women of the 18th, 19th, and 20th Centuries
- States and Capitals

0470.06: 6th Social Studies -1

Course Description

Students in grade six compare the history, geography, government, economic systems, current issues, and cultures of the Western World with an emphasis on: (1) Europe, (2) North America, (3) South America, (4) Central America, (5) and the Caribbean region. Instructional programs for grade six students include experiences that foster the passage from concrete examples to abstract reasoning, concepts, ideas, and generalizations. Opportunities to develop skills include the use of a variety of resources and activities. Grade six students should acquire positive attitudes regarding active participation, cooperation, responsibility, open-mindedness, and respect for others. Along with the current academic standards for this subject, the History/Social Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Understanding Historical Time and Early Civilizations
- Mayan, Aztec, and Incan Civilizations
- Ancient Greece
- Ancient Rome
- The Collapse and Fall of the Roman Empire
- Spread and Influence of Christianity, Aryan Expansion, and Buddhism
- Medieval Europe, Renaissance, Reformations, and Revolutions
- Global structure

0470.06: 6th Social Studies (Civics)-2

Course Description

Students in grade six explain major principles, values, and institutions of constitutional government and citizenship, which are based on the founding documents of the United States and how the three branches of government share and check power within our federal system of government. Along with the current academic standards for this subject, the History/Social Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Foundations of Government
- Function of Government
- Role of Citizens

0470.07: 7th Social Studies -1

Course Description

Students in grade seven explore the history, geography, government, economic systems, current issues, and cultures of the Eastern World with an emphasis on: (1) Asia, (2) Africa, (3) the Middle East, (4) the Pacific Islands, (5) Australia, and (6) New Zealand. Learning experiences for students in grade seven should help them to make the transition from concrete information to abstract ideas, concepts, and generalizations. In-depth studies provide greater understanding of environmental influences on economic, cultural, and political institutions. Opportunities to develop thinking and research skills include reading and interpreting maps, graphs, and charts. Decision-making and problem-solving activities should include the following: (1) identifying problems, issues and questions, (2) information gathering, (3) hypothesizing, and (4) evaluating alternative solutions and actions. Along with the current academic standards for this subject, the History/Social Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App

Major Topics and Concepts

- Unit 1: Connecting Themes (CT)
- Unit 2: The Modern Middle East (MME)
- Unit 3: Environmental Impact and Economy of the Middle East (EIEME)
- Unit 4: Origins of the Modern Middle East (OMME)
- Unit 5: Southern and Eastern Asia Today (SEAT)
- Unit 6: The Impact of the Environment and Economy of Southern and Eastern Asia (IEESEA)

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 19 Assignments
- 7 Quizzes

0470.07: 7th Social Studies -2

Course Description

Students in grade seven explore the history, geography, government, economic systems, current issues, and cultures of the Eastern World with an emphasis on: (1) Asia, (2) Africa, (3) the Middle East, (4) the Pacific Islands, (5) Australia, and (6) New Zealand. Learning experiences for students in grade seven should help them to make the transition from concrete information to abstract ideas, concepts, and generalizations. In-depth studies provide greater understanding of environmental influences on economic, cultural, and political institutions. Opportunities to develop thinking and research skills include reading and interpreting maps, graphs, and charts. Decision-making and problem-solving activities should include the following: (1) identifying problems, issues and questions, (2) information gathering, (3) hypothesizing, and (4) evaluating alternative solutions and actions. Along with the current academic standards for this subject, the History/Social Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App

Major Topics and Concepts

- Unit 7: Origins of Southern and Eastern Asia (OSEA)
- Unit 8: Africa Today (AT)
- Unit 9: Economy of Africa (EOA)
- Unit 10: Origins of Africa (OA)

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Assignments
- 12 Quizzes

0470.08: 8th Social Studies -1

Course Description

Students in grade eight focus on the history of the United States. This study begins with a brief review of early North American continental history, followed by the Colonial Period. The course transitions to later periods including the Revolution and Founding Era. The course aims to cover the principles of the United States and Indiana constitutions, as well as many other founding documents and their applications to our shared history and culture. Students then study national development, westward expansion, social reform movements, the Civil War, and the Reconstruction Period. The major themes, issues, events, movements, and figures in Antebellum United States history are covered and this expands to explore relationships to modern issues and current events. Along with the current academic standards for this subject, the History/Social Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App

Major Topics and Concepts

- Unit 1: Jeffersonian Era
- Unit 2: National Expansion and Development
- Unit 3: The Age of Jackson
- Unit 4: Idealism and Reform
- Unit 5: Slavery in America
- Unit 6: The Divide Deepens

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussion
- 7 Assignments
- 25 Quizzes

0470.08: 8th Social Studies -2

Course Description

Students in grade eight focus on the history of the United States. This study begins with a brief review of early North American continental history, followed by the Colonial Period. The course transitions to later periods including the Revolution and Founding Era. The course aims to cover the principles of the United States and Indiana constitutions, as well as many other founding documents and their applications to our shared history and culture. Students then study national development, westward expansion, social reform movements, the Civil War, and the Reconstruction Period. The major themes, issues, events, movements, and figures in Antebellum United States history are covered and this expands to explore relationships to modern issues and current events. Along with the current academic standards for this subject, the History/Social Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Kami App

Major Topics and Concepts

- Unit 7: Civil War
- Unit 8: Reconstruction
- Unit 9: Industrialization in America
- Unit 10: American Expansion and Immigration

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussion
- 18 Assignments
- 9 Quizzes

1514: Economics

Course Description

This course is designed to give students a basic understanding of economic concepts. Students will examine scarcity and economic reasoning, demand and supply, market structures, national economic performance, money and financial systems, economic stabilization, and trade. In doing so, students will apply these economic concepts to real-world political, social, and economic problems.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills the Economics Requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors and International Baccalaureate diplomas
- Fulfills a Social Studies Requirement for the General Diploma only
- Qualifies As A Quantitative Reasoning Course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Scarcity and Economic Reasoning
- Unit 2: Demand & Supply
- Unit 3: Market Structures
- Unit 4: National Economic Performance
- Unit 5: Money and Financial Systems
- Unit 6: Economic Stabilization and Trade

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 6 Assignments
- 27 Quizzes

1516: Ethnic Studies

Course Description

Ethnic Studies is a course designed to view the historical development and experiences of various cultures and trace the path of how things came to be for those groups today. To understand the entire story of Ethnic Studies, it is crucial to understand the origins of race. It is important to understand the stories of those who have been on the other side of the history books, and to grasp their perspective of how things have played out. This course is designed to examine the histories of four major ethnicities in the United States: African Americans, Latino Americans, Asian Americans, and Native Americans. We will look at the origins of each group and look at why they came to the United States (or how they were affected by those who came to the United States), the policies that shaped their historical experiences, and how each ethnicity has emerged from this process. We will study some of the key figures from each group, and the struggles they went through (and continue to go through) to gain equality, respect, and a voice in American society for their people. Ethnic Studies is intended to open your eyes to the varying experiences of those who have been marginalized in American history and to understand how their story fits into the American story. Only by understanding the experiences of the past can we begin to grasp the events of today and shape the world to be a better place in the future.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as an elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: The Origins of Race and Ethnicity
- Unit 2: Historical Experiences of African Americans
- Unit 3: Historical Experiences of Latino Americans
- Unit 4: Historical Experiences of Asian Americans
- Unit 5: Historical Experiences of Native Americans
- Unit 6: The Modern Condition of Race and Ethnicity

Course Assessment and Participation Requirements

The course includes the following assessments:

- 29 Assignments
- 20 Quizzes

1570: Geography and History of the World -1

Course Description

Geography and History of the World is a unique look at how the landscape of our world impacts the events of the world. We will start with the early civilizations of Egypt, Mesopotamia, China and others. Exploring how these early people adapted to their surroundings helps us to understand how their societies evolved. We will also look at religion and see how the similar attributes found in different religions make each unique. People are a driving force in understanding our past. By looking at the courageous people who decided to explore the unknown world we will examine how globalization created the world we recognize today. Through the lenses of conflict and cooperation we will look at how societies throughout history have settled differences between each other, not always peacefully. Students use the knowledge, tools, and skills obtained from this course in order to understand, analyze, evaluate, and make predictions about major global developments.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a Social Studies requirement for the General Diploma
- Fulfills the Geography History of the World/World History and civilization graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Ancient Civilizations
- Unit 2: World Religions
- Unit 3: Exploration and Imperialism
- Unit 4: States, Nations and Nation-States
- Unit 5: Conflict and Cooperation

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 19 Assignments
- 38 Quizzes

1570: Geography and History of the World -2

Course Description

Geography and History of the World 2 combines both Geography and World History to develop a comprehensive understanding of the world, through its landscape and its people over time. This course is organized to study various important themes of Geography. Within each theme, we will look at examples through time and also throughout the regions of the world. Students will come to understand more about the customs, major historical events, and changes over time. Through the use of geographical tools, skills and historical concepts students will deepen their understanding of the major global themes presented in this course.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a Social Studies requirement for the General Diploma
- Fulfills the Geography History of the World/World History and civilization graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Innovations and Revolutions
- Unit 2: Population Characteristics, Distribution and Management
- Unit 3: Trade and Commerce
- Unit 4: Urbanizations
- Unit 5: Environmental Interactions and Global Change
- Unit 6: Sports, Recreation, and Tourism

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 7 Assignments
- 80 Quizzes

1518: Indiana Studies

Course Description

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma
- Must be offered at least once per school year

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Hoosiers and the American Story (Digital Version In Course)

Major Topics and Concepts

- Unit 1- Indiana Territory
- Unit 2- Statehood
- Unit 3- Civil War Through World War I
- Unit 4- Indiana in the 1900s
- Unit 5- Civics and Government in Indiana
- Unit 6- The Constitution and Indiana Citizens
- Unit 7- Famous Hoosiers and Landmarks

Course Assessment and Participation Requirements

The course includes the following assessments:

- 12 Assignments
- 31 Quizzes

1532: Psychology

Course Description

Psychology is a one-semester course that introduces students to the scientific study of behavior and mental processes. Students will examine the history of psychology, psychological research, biology and behavior, learning, memory, development, personality, stress, disorders, therapies, and social psychology. Additionally, students will be asked to read, watch videos, think critically, discuss, and analyze how each of these areas influence how humans think, feel, and behave.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Psychology
- Unit 2: Research Methods
- Unit 3: Biology and Behavior
- Unit 4: Learning and Memory
- Unit 5: Developmental Psychology
- Unit 6: Personality and Testing
- Unit 7: Stress and Health
- Unit 8: Disorders and Therapies

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Discussions
- 6 Assignments
- 36 Quizzes

1534: Sociology

Course Description

Sociology allows students to study human social behavior and relationships from a group perspective. The influence of culture on group and individual behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social groups and institutions on group and individual behavior and the changing nature of society will be examined in this course.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Introduction to Sociology e-textbook provided by openstax COLLEGE (Found in course)

Major Topics and Concepts

- Unit 1: Culture and Social Structure
- Unit 2: The Individual in Society
- Unit 3: Social Inequality
- Unit 4: Social Institutions
- Unit 5: The Changing Social World

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Discussions
- 29 Assignments
- 8 Quizzes

1540: US Government

Course Description

United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and governments and understand the rights and responsibilities of citizens and how these are part of local, state, and national government. Students examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. Analysis of how the United States interacts with other nations and the government's role in world affairs is included in this course. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues. As a result, they will be able to explain the role of individuals and groups in government, politics, and civic activities and the need for civic and political engagement of citizens in the United States.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills the government requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Learn about This Nation online textbook

Major Topics and Concepts

- United States Naturalization
- Unit 1: Basic Government Essentials & American Beginnings
- Unit 2: The US Constitution and Federalism
- Unit 3: Voting and Voting Behavior in the USA
- Unit 4: Public Interest Groups & Mass Media Impact on Politics
- Unit 5: The Legislative Branch
- Unit 6: The Executive Branch
- Unit 7: The Judiciary Branch and Indiana Government

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 10 Assignments
- 46 Quizzes

1542: US History -1

Course Description

United States History is a two-semester course that builds upon concepts developed in previous studies of U.S. History and emphasizes national development from the late nineteenth century into the twenty-first century. After reviewing fundamental themes in the early development of the nation, students are expected to identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present as they relate to life in Indiana and the United States. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. Students develop historical thinking and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills the US History requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Recommended U.S. History OpenStax textbook, published by Rice University, 2014

Major Topics and Concepts

- Unit 1: Early National Development: 1775 to 1877
- Unit 2: Development of the Industrial United States: 1870 to 1900
- Unit 3: Emergence of the Modern United States: 1897 to 1920
- Unit 4: Modern United States Prosperity and Depression: Post WW I - 1939

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 16 Assignments
- 23 Quizzes

1542: US History -2

Course Description

Building upon first semester United States History, students will continue to use a variety of resources to learn about the various political, social, religious, and economic developments that have shaped and continue to shape the United States. Students develop historical thinking and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time. The time frame of the second semester of United States History begins with the study of WWII and continues through the 20th century to the present. As in the first semester, students will utilize a variety of online resources and demonstrate mastery of content through traditional assessments, short answer writing assignments, discussion forums with other classmates and creative projects using the latest programs.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills the US History requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- An online textbook is provided in the course

Major Topics and Concepts

- Unit 1: The United States and World War II: 1939 to 1945
- Unit 2: Postwar United States: 1945 to 1960
- Unit 3: The United States in Troubled Times: 1960 to 1980
- Unit 4: The Contemporary United States: 1980 to the Present

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 16 Assignments
- 31 Quizzes

1548: World History and Civilization -1

Course Description

This course emphasizes major events and developments in the past that have changed the world and the course of history. In World History 1, we will examine major ancient civilizations, including Egypt, China, India, Mesopotamia, Greece, Rome, the Maya, the Aztec, and the Mongols. We will also look at how these cultures interacted with one another through trade, migration and war. This course will end with a study of the Medieval times. Students will practice historical thinking skills and will compare and contrast different elements of history, examine continuity and change throughout history, and historical research.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills the Geography History of the World/World History and civilization graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Ancient Cultures and Civilizations
- Unit 2: Egypt and Mesopotamia
- Unit 3: India and China
- Unit 4: Greece and Rome
- Unit 5: American Societies
- Unit 6: Africa and the Middle East
- Unit 7: Empires and Interactions
- Unit 8: The Middle Ages

Course Assessment and Participation Requirements

The course includes the following assessments:

- 32 Assignments
- 23 Quizzes

1548: World History and Civilization -2

Course Description

This course emphasizes major events and developments in the past that have changed the world and the course of history. In World History 2, we will examine several major topics including the Renaissance, exploration, the Industrial Revolution, World War I, World War II and the contemporary world. Students will practice historical thinking skills and will compare and contrast different elements of history, examine continuity and change throughout history, and historical research.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills the Geography History of the World/World History and civilization graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Renaissance and Reformation
- Unit 2: The Age of Exploration
- Unit 3: Changes in European Society
- Unit 4: Industrialization
- Unit 5: Nationalism
- Unit 6: The World War I Era
- Unit 7: The World War II Era
- Unit 8: The Contemporary World

Course Assessment and Participation Requirements

The course includes the following assessments:

- 31 Assignments
- 23 Quizzes

1564: AP Macroeconomics

Course Description

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills the economics requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Economics by McConnell, Brue, and Flynn 21st (college) Edition 978-0021403233 (AP edition). 978-1259723223 (college edition) You may rent the textbook from - chegg.com, or purchase from amazon.com

Major Topics and Concepts

- Unit 1: Basic Economic Principles
- Unit 2: Economic Indicators and the Business Cycle
- Unit 3: National Income and Price Determination
- Unit 4: Financial Sector
- Unit 5: Long-Run Consequences of Stabilization Policies
- Unit 6: Open Economy - International Trade and Finance

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Assignments
- 27 Quizzes

1566: AP Microeconomics

Course Description

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills the economics requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Economics by McConnell, Brue, and Flynn 21st (college) Edition. 978-0021403233 (AP edition) 978-1259723223 (college edition). You may rent the textbook from - chegg.com, or purchase from amazon.com

Major Topics and Concepts

- Unit 1: Basic Economic Principles
- Unit 2: Supply and Demand
- Unit 3: Production, Cost, and the Perfect Competition Model
- Unit 4: Imperfect competition
- Unit 5: Factor Markets
- Unit 6: Market Failure and the Role of Government

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Assignments
- 29 Quizzes

1558: AP Psychology -1

Course Description

AP Psychology is a two-semester course (AP Psychology 1 and AP Psychology 2) designed to explore Psychology in greater depth than a traditional high school course. Students are introduced to foundational topics and critical thinking skills necessary to study psychology in a systematic and scientific manner. Content includes: Scientific Foundations of Psychology, Biological Bases of Behavior, Sensation and Perception, Learning, and Cognitive Psychology. Upon completion of semester 2, students will have the opportunity through The College Board to take the AP Exam. Many colleges will accept passing scores on the AP Exam as credit for Introductory Psychology.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- *Myers' Psychology for the AP Course, 3rd Edition*, David G. Myers, C. Nathan DeWall, Published by Bedford Freeman Worth Publishers. ISBN-13: 978-1319362546 ISBN-10: 1319362540
 - Textbook can be purchased from [Amazon](#)
 - Textbooks cannot be purchased at Indiana Online

Major Topics and Concepts

- Unit 1: Scientific Foundations of Psychology
- Unit 2: Biological Bases of Behavior
- Unit 3: Sensation & Perception
- Unit 4: Learning
- Unit 5: Cognitive Psychology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 19 Assignments
- 16 Quizzes

1558: AP Psychology -2

Course Description

AP Psychology is a two-semester course (AP Psychology 1 and AP Psychology 2) that is designed for college-bound students desiring to earn college credit for Introductory Psychology or to explore Psychology in greater depth than a traditional high school course. In AP Psychology 2, students are introduced to the foundational topics and critical thinking skills necessary to study psychology in a systematic and scientific manner. Content covered in this course include Motivation and Emotion, Development, Personality, Stress and Health Psychology, Disorders and Social Psychology

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- *Myers' Psychology for the AP Course, 3rd Edition*, David G. Myers, C. Nathan DeWall, Published by Bedford Freeman Worth Publishers. ISBN-13: 978-1319362546 ISBN-10: 1319362540
 - Textbook can be purchased from [Amazon](#)
 - Textbooks cannot be purchased at Indiana Online

Major Topics and Concepts

- Unit 6: Developmental Psychology
- Unit 7: Motivation, Emotion, and Personality
- Unit 8: Clinical Psychology
- Unit 9: Social Psychology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 15 Assignment
- 8 Quizzes

1560: AP US Government and Politics

Course Description

AP US Government offers students the opportunity to see how individuals and their ideas can shape the world in which they live. It invites them to explore central questions of liberty and justice in practice. In this course, you will be studying the American experience in self-governance. The objective of this course is not only to fulfill a state requirement for graduation but also to instill in you a sense of civic responsibility. Civic participation is an obligation and fulfilling this obligation requires knowledge—an understanding of the purpose, principles, and practices of American Government. Remember the words of Thomas Jefferson: “Whenever people are well informed, they can be trusted with their own government.”

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read a college level textbook and write grammatically correct sentences.
- Credits: 1 credit per semester
- Fulfills the government requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Government in America: People, Politics, and Policy 14th edition (or newer) Pearson Publishing)
Purchase the textbook at [amazon.com](https://www.amazon.com) or [chegg.com](https://www.chegg.com) before the course begins.

Major Topics and Concepts

- Unit 1: Foundations of American Democracy
- Unit 2: Interactions Among Branches of Government
- Unit 3: Civil Liberties and Civil Rights
- Unit 4: American Political Ideologies and Beliefs
- Unit 5: Political Participation

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 29 Assignments
- 15 Quizzes

1562: AP US History -1

Course Description

AP US History is a college-level survey course which examines United States History from the pre-Columbian period to the present, focusing on the nation's political, economic, intellectual, cultural and social history. The first semester will focus on the pre-Columbian period through the Reconstruction of the United States after the Civil War. Some of the major topics included are the foundations in the New World, Colonial America, the American Revolution, Building America, Reform Movements, Westward Movement, Sectionalism, and the Civil War. The class is taught using themes of history and historical thinking skills to prepare students for the AP US History Exam and Educational experiences beyond high school.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the US History requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- The American Pageant, A History of the Republic, 15th Edition by Kennedy, Cohen, and Thomas. (ISBN-13: 978-1111349530 / ISBN-10: 1111349533) Purchase or rental available on Amazon.com or chegg.com

Major Topics and Concepts

- AP Keys to Learning
- Unit 1: Founding the New Nation,
- Unit 2: Building the New Nation, 1776-1860
- Unit 3: Testing the New Nation, 1820-1877

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 13 Assignments
- 30 Quizzes

1562: AP US History -2

Course Description

AP US History is a college-level survey course which examines United States History from the pre-Columbian period to the present, focusing on the nation's political, economic, intellectual, cultural, and social history. The second semester of the class begins after Reconstruction in America and goes to the present day. Some of the major topics are the Rise of Capitalism, Urbanization, Imperialism, WWI, the 1920s, the Great Depression, WWII, the Cold War, Civil Rights Movement, and Modern America. The class is taught using themes of history and historical thinking skills to prepare students for the AP US History Exam and educational experience beyond high school.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the US History requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- The American Pageant, A History of the Republic, 15th Edition by Kennedy, Cohen, and Thomas. (ISBN-13: 978-1111349530 / ISBN-10: 1111349533) Purchase or rental available on Amazon.com or chegg.com

Major Topics and Concepts

- Unit 4: Forging an Industrial Society 1865 - 1909
- Unit 5: Struggling for Justice at Home and Abroad 1890 - 1945
- Unit 6: Making Modern America 1945 to Present

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 17 Assignments
- 33 Quizzes

1612: AP World History: Modern -1

Course Description

AP World Modern is an introductory college-level course that focuses on the world's history. Throughout the first semester, we will trace the development of the world's political and social structures, wars and revolutions, technological growth, artistic movements, religious beliefs and practices, and the connections between civilizations from pre-civilization through the global connections of the eighteenth century. The goal of the course is for each student to develop a firm understanding of human history and how we got to the point we are now. APWH is structured around the investigation of five themes and 19 key concepts that will be discussed over the six chronological time periods. Therefore, the course relies heavily on a college-level textbook, primary and secondary source documents, essay writings, and projects. This course will be based on the following activities: individual reading and note-taking, lecture, discussion posts, document readings, and AP World History skills. This is a demanding course, yet it will be a rewarding experience for you in the end, helping you to see the global connection and to prepare you for college.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the geography history of the world/world history and civilizations graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- World Civilizations, The Global Experience AP Edition, 5th Edition Author: Peter N Stearns Publisher: Pearson Longman; 5 edition (November 30, 2006) (ISBN-10: 0132206994 / ISBN-13: 978-0132206990); <http://www.amazon.com>

Major Topics and Concepts

- Unit 1: The Global Tapestry 1200 - 1450
- Unit 2: Networks of Change 1200 - 1450
- Unit 3: Land-Based Empires
- Unit 4: Trans-Oceanic Interconnections

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 26 Assignments
- 56 Quizzes

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1612: AP World History: Modern -2

Course Description

AP World Modern is an introductory college-level course that focuses on the world's history. Throughout the second semester, we will trace the development of the world's political and social structures, wars and revolutions, technological growth, artistic movements, religious beliefs and practices, and the connections between civilizations from the global connections of the eighteenth century through to the present day. The goal of the course is for each student to develop a firm understanding of human history and how we got to the point we are now. APWM is structured around the investigation of five themes and 19 key concepts that will be discussed over the six chronological time periods. Therefore, the course relies heavily on a college-level textbook, primary and secondary source documents, essay writing, and projects. This course will be based on the following activities; individual reading and note-taking, lecture, discussion posts, document readings, and AP World History skills. This is a demanding course, yet it will be a rewarding experience for you in the end, helping you to see the global connection and to prepare you for college.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the geography history of the world/world history and civilizations graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- World Civilizations, The Global Experience AP Edition, 5th Edition Author: Peter N Stearns Publisher: Pearson Longman; 5 edition (November 30, 2006) (ISBN-10: 0132206994 / ISBN-13: 978-0132206990); <http://www.amazon.com>

Major Topics and Concepts

- Unit 5: Revolutions 1750 - 1900
- Unit 6: Consequences of Industrialization 1750 - 1900
- Unit 7: Global Conflict 1900 to the present
- Unit 8: Cold War and Decolonization 1900 - present
- Unit 9: Globalization 1900 - present
- AP World Semester 2 Project

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 29 Assignments
- 54 Quizzes

Career and Technical Education (CTE) Courses

[0488.6: 6th Grade Computer Basics](#)

[0493.68: Exploring College and Careers -1](#) (Starting in August 2024)

[0493.68: Exploring College and Careers -2](#) (Starting in August 2024)

[0494.68: 7th/8th Grade Business and Information Technology -1](#)

[0494.68: 7th/8th Grade Business and Information Technology -2](#)

[4524: Accounting Fundamentals -1](#) (Starting in August 2024)

[4524: Accounting Fundamentals -2](#) (Starting in January 2025)

[5252: Computer Science III: Cybersecurity Capstone -1](#)

[5252: Computer Science III: Cybersecurity Capstone -2](#)

[5252: Computer Science III: Java SE 8-1](#)

[5252: Computer Science III: Java SE 8-2](#)

[4528: Digital Applications and Responsibility](#)

[5966: Entrepreneurship and New Ventures Capstone -1](#)

[5966: Entrepreneurship and New Ventures Capstone -2](#)

[5258: Finance and Investment -1](#)

[5258: Finance and Investment -2](#)

[7143: Management Fundamentals -1](#)

[7143: Management Fundamentals -2](#)

[7150: Personal Finance and Banking -1](#)

[7150: Personal Finance and Banking -2](#)

[4540: Personal Financial Responsibility](#)

[5394: Preparing for College and Careers](#)

[4562: Principles of Business Management -1](#)

[4562: Principles of Business Management -2](#)

[7183: Principles of Computing -1](#)

[7183: Principles of Computing -2](#)

[4570: AP Computer Science A-1](#)

[4570: AP Computer Science A-2](#)

0488.6: 6th Grade Computer Basics

Course Description

Computer Basics prepares students to use technology in an effective and appropriate manner. It also prepares students for success in all academic areas and in real-world contexts. Students will develop knowledge and skills of word processing, spreadsheets, presentation and communication software.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Getting Started with Computer Basics
- Unit 2: Communication and Collaboration
- Unit 3: Google Docs
- Unit 4: Google Sheets
- Unit 5: Google Slides and Forms
- Unit 6: The Internet and You

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 21 Assignments
- 7 Quizzes

0493.68: Exploring College and Careers -1

Course Description

Exploring College and Careers provides students opportunities to explore their personal goals, interests, and aptitudes as they relate to career concepts, including the 16 national career clusters and Indiana's College and Career Pathways, and determine what they want and expect for their future. Students learn about various traditional and nontraditional careers and gain an awareness of the level of education and type of training needed for a variety of careers and occupations. Students build good study habits, expand their technology skills, develop or update their graduation plans, and complete a college and career readiness exam. Virtual and real life opportunities are provided for students to observe and explore various careers. Along with the current academic standards for this subject, the Science/Technical Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6, 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Agriculture, Food & Natural Resources
- Unit 2. Architecture & Construction
- Unit 3. Arts, A/V Technology & Communications
- Unit 4. Business, Management & Administration
- Unit 5. Education & Training
- Unit 6. Finance
- Unit 7. Government & Public Administration
- Unit 8. Health Science

Course Assessment and Participation Requirements

The course includes the following assessments:

- 14 Discussion
- 13 Assignments
- 11 Quizzes

0493.68: Exploring College and Careers -2

Course Description

Exploring College and Careers provides students opportunities to explore their personal goals, interests, and aptitudes as they relate to career concepts, including the 16 national career clusters and Indiana's College and Career Pathways, and determine what they want and expect for their future. Students learn about various traditional and nontraditional careers and gain an awareness of the level of education and type of training needed for a variety of careers and occupations. Students build good study habits, expand their technology skills, develop or update their graduation plans, and complete a college and career readiness exam. Virtual and real life opportunities are provided for students to observe and explore various careers. Along with the current academic standards for this subject, the Science/Technical Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6, 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: Exploring College and Careers Semester 1

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Hospitality & Tourism
- Unit 2. Human Services
- Unit 3. Information Technology
- Unit 4. Law, Public Safety & Security
- Unit 5. Manufacturing
- Unit 6. Marketing
- Unit 7. Science, Technology, Engineering & Mathematics
- Unit 8. Transportation & Logistics

Course Assessment and Participation Requirements

The course includes the following assessments:

- 15 Discussion
- 12 Assignments
- 11 Quizzes

0494.68: 7th/8th Grade Business and Information Technology -1

Course Description

Business and Information Technology, Middle Level provides concepts and applications that facilitate the development of competencies required for success in all academic areas and in real-world contexts. The curriculum relates closely to understandings and competencies students will need as their world expands and as they develop career interests. The four broad areas included in this curriculum are technology, career exploration, personal financial responsibility, and basic business (business communications, marketing, and entrepreneurship). The domains and standards for each area provide many opportunities to engage students in learning essential business content and in applying technology as a tool. This approach is in keeping with the National Education Technology Standards (NETS) approach, which places heavy emphasis on integrating technology into the curriculum. Along with the current academic standards for this subject, the Science/Technical Studies Content Area Literacy Standards are incorporated with the expectation of a continuum of reading and writing skills

- Recommended Grade: 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Keyboarding, Ergonomics, Tech Readiness & Goal Setting
- Unit 2: Business Etiquette, Social Media & Page Formatting
- Unit 3: Citations, Presentation, Shortcuts & Storytelling
- Keyboarding Final Exam
- Unit 4: Values, Needs, & Wants
- Unit 5: Understanding Your Paycheck
- Unit 6: Budgeting Basics
- Unit 7: Common Adult Expenses
- Unit 8: Saving/Investing Expenses
- Unit 9: Retirement
- Unit 10: Credit and Debit Cards
- Unit 11: Financial Security Awareness
- 2 Week Investment Portfolio
- Personal Financial Literacy Final

Course Assessment and Participation Requirements

The course includes the following assessments:

- 48 Assignments
- 14 Quizzes

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0494.68: 7th/8th Grade Business and Information Technology -2

Course Description

Business and Information Technology 2 provides concepts and applications that facilitate the development of competencies required for success in all academic areas and in real-world contexts. The curriculum relates closely to understandings and competencies students will need as their world expands and as they develop career interests. The three broad areas included in this course are career exploration, personal financial responsibility, and basic business (business communications, marketing, and entrepreneurship). The domains and standards for each area provide many opportunities to engage students in learning essential business content and in applying technology as a tool. This approach is in keeping with the National Education Technology Standards (NETS) approach, which places heavy emphasis on integrating technology into the curriculum.

- Recommended Grade: 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Job Applications
- Unit 2: Resumes, Cover Letters, & Job Reference
- Unit 3: Interviews
- Unit 4: Labor Laws and Financial Laws
- Unit 5: Tax Forms and Payroll Methods
- Unit 6: First Job Paycheck Options
- Unit 7: Post-Secondary Options
- Unit 8: Indiana Career Explorer
- Final Exam

Course Assessment and Participation Requirements

The course includes the following assessments:

- 41 Assignments
- 8 Quizzes

Course Catalog



4524: Accounting Fundamentals -1

Course Description

Starting August 2024: Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as adirected elective or elective all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Accounting
- Unit 2: The Accounting Cycle: Analyzing and Recording Transactions
- Unit 3: The Accounting Cycle: Adjusting Entries, Financial Statements, and Closing
- Unit 4: Analyzing and Recording Entries for a Corporation Operating as a Merchandising Business & Cash Control
- Unit 5: Analyzing and Recording Entries for a Corporation Operating as a Merchandising Business & Payroll
- Unit 6: Completing the Accounting Cycle for a Corporation Operating as a Merchandising Business

Course Assessment and Participation Requirements

The course includes the following assessments:

- Discussions
- Assignments
- Quizzes

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4524: Accounting Fundamentals -2

Course Description

Starting January 2025: Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as adirected elective or elective all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Accounts Receivable & Uncollectible Accounts
- Unit 2: Methods for Valuing Inventory
- Unit 3: Property, Plant and Equipment & Depreciation
- Unit 4: Current & Long Term Liabilities
- Unit 5: Shareholder's Equity
- Unit 6: Analyzing Financial Documents

Course Assessment and Participation Requirements

The course includes the following assessments:

- Discussions
- Assignments
- Quizzes

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5252: Computer Science III: Cybersecurity Capstone -1

Course Description

In the Computer Science III: Cybersecurity 1 course, students will learn about the practice of protecting networks, systems, and programs from digital attacks. They will better understand the aim of these attacks, such as destroying information, extorting money and resources, or disrupting business operations. They will learn about the challenges and opportunities that implementing cybersecurity measures can present.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: CTE courses that would help prepare the student for success in this area
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Cybersecurity
- Unit 2: The Basics of Cybersecurity Part 1
- Unit 3: The Basics of Cybersecurity Part 2
- Unit 4: Intrusion and Intrusion Detection Systems Part 1

Course Assessment and Participation Requirements

The course includes the following assessments:

- 9 Discussions
- 9 Assignments
- 6 Quizzes

5252: Computer Science III: Cybersecurity Capstone -2

Course Description

In the Computer Science III: Cybersecurity 2 course, students will learn about the practice of protecting networks, systems, and programs from digital attacks. They will better understand the aim of these attacks, such as destroying information, extorting money and resources, or disrupting business operations. They will learn about the challenges and opportunities that implementing cybersecurity measures can present.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: CTE courses that would help prepare the student for success in this area
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 5: Intrusion and Intrusion Detection Systems Part II
- Unit 6: Intrusion Prevention
- Unit 7: Social Engineering and Fundamental Design Principles
- Unit 8: Careers in Cybersecurity

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 9 Assignments
- 6 Quizzes

5252: Computer Science III: Java SE 8-1

Course Description

The Computer Science III: Java SE 8 Associate - 1 course is designed to provide preparation for the Oracle Certified Associate (OCA) exam. Throughout the course, students will learn about Java from the basics to string builder methods. They will spend a significant portion of the course learning about the basics of Java, data types, operators, arrays, and loop constructs.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: CTE courses that would help prepare the student for success in this area
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Access to Java
- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Coding and Java
- Unit 2: Java Basics
- Unit 3: Working With Java Data Types
- Unit 4: Using Operators and Decision Constructs and Creating and Using Arrays
- Unit 5: Using Loop Constructs

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 10 Assignments
- 7 Quizzes

5252: Computer Science III: Java SE 8-2

Course Description

The Computer Science III: Java SE 8 Associate - 2 course is designed to provide preparation for the Oracle Certified Associate (OCA) exam. Throughout the course, students will learn about Java from the basics to string builder methods. They will spend a significant portion of the course learning about the basics of Java, data types, operators, arrays, and loop constructs.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: CTE courses that would help prepare the student for success in this area
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Access to Java
- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 6: Working with Methods of Encapsulation
- Unit 7: Working with Inheritance
- Unit 8: Handling Exceptions
- Unit 9: Working with Selected classes from the Java API

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 9 Assignments
- 6 Quizzes

4528: Digital Applications and Responsibility

Course Description

This course is being developed for 2025 Summer since Indiana Online will no longer be able to provide the Microsoft Office program to students.

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Desktop or laptop computer. Chromebooks and tablets are not compatible with this course as students must be able to download the full version of Microsoft Office.
- Microsoft Office 2016 (See the Minimum Technical Skills and Special Technology Utilized by Students) [Directions to Obtain Your Free Download provided by Indiana Online.](#)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Computers
- Unit 2: Microsoft PowerPoint
- Unit 3: Microsoft Word
- Unit 4: Microsoft Excel

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 27 Assignments
- 24 Quizzes

5966: Entrepreneurship and New Ventures Capstone -1

Course Description

Unleash your inner entrepreneur! This course equips you with the knowledge and skills to navigate the exciting world of starting and running your own business. We'll delve into the fundamentals of entrepreneurship, exploring different business types, legal structures, and roles within an organization. You'll learn to identify your strengths and weaknesses as an entrepreneur, discover how to find great business opportunities and analyze their viability. We'll even explore how to craft a business plan, secure funding, navigate legal requirements, and protect your ideas through intellectual property. By the end, you'll have a roadmap to turn your ideas into reality!

- Recommended Grade: 12
- Required Prerequisites: Any CTE Concentrator Sequence except Entrepreneurship
- Recommended Prerequisites: Earn CTE Concentrator Status in any CTE program or program of study
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Entrepreneurship and Business Ownership
- Unit 2: The Entrepreneur
- Unit 3: Opportunity Recognition
- Unit 4: Business Plans and Intellectual Property

Course Assessment and Participation Requirements

The course includes the following assessments:

- 9 Discussions
- 8 Assignments
- 12 Quizzes

5966: Entrepreneurship and New Ventures Capstone -2

Course Description

This course will prepare students for certification in Entrepreneurship and Small Business. The modules are designed to cover all aspects of entrepreneurship including traits of successful entrepreneurs, business management, hiring employees, creating a company culture, managing finances, and marketing products and services. Each module will challenge students to put themselves in the role of an entrepreneur and consider how they will handle the extensive responsibilities of starting a business.

- Recommended Grade: 12
- Required Prerequisites: Any CTE Concentrator Sequence except Entrepreneurship
- Recommended Prerequisites: Earn CTE Concentrator Status in any CTE program or program of study
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Marketing
- Unit 2: Sales
- Unit 3: Production and Distribution
- Unit 4: Financial Management

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Discussions
- 9 Assignments
- 11 Quizzes

5258: Finance and Investment -1

Course Description

This course introduces students to the challenging and lucrative world of finance. While “Wall Street” may still get a bad rap after the 2008 financial crisis, finance careers still remain highly sought after and can be highly rewarding. The course reviews key financial terms and examines various groups, positions, and roles within financial institutions. Students will learn about resumes, interviews, and networking. Students will also discuss ethics on Wall Street and the role of finance within society.

- Recommended Grade: 11, 12
- Required Prerequisites: Principles of Business Management, Personal Finance and Banking, or Accounting Fundamentals
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Why Pursue a Career in Finance?
- Unit 2: Finance Basics
- Unit 3: Investment Banking
- Unit 4: Sales and Trading
- Unit 5: Private Wealth Management

Course Assessment and Participation Requirements

The course includes the following assessments:

- 15 Discussions
- 14 Assignments
- 8 Quizzes

5258: Finance and Investment -2

Course Description

This course introduces students to the challenging and lucrative world of finance. While “Wall Street” may still get a bad rap after the 2008 financial crisis, finance careers still remain highly sought after and can be highly rewarding. The course reviews key financial terms and examines various groups, positions, and roles within financial institutions. Students will learn about resumes, interviews, and networking. Students will also discuss ethics on Wall Street and the role of finance within society.

- Recommended Grade: 11, 12
- Required Prerequisites: Principles of Business Management, Personal Finance and Banking, or Accounting Fundamentals
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 6. Financial Planning and Analysis
- Unit 7. High School, College and Internship Preparation
- Unit 8. Networking, Resumes, Cover Letters and Interviews
- Unit 9. Succeeding on the Job
- Unit 10. Life after Banking

Course Assessment and Participation Requirements

The course includes the following assessments:

- 15 Discussions
- 14 Assignments
- 8 Quizzes

7143: Management Fundamentals -1

Course Description

Management Fundamentals 1 is designed to give students an understanding of the functions of managers, including the management of activities and people. Students will examine management, behavior in the workplace, goal setting, the tools of business, and how to effectively compete in various domestic and international markets. Students will have the opportunity to apply their knowledge to contemporary business situations.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Management
- Unit 2: Organizational Behavior
- Unit 3: Goals and Decision Making
- Unit 4: Tools of Business
- Unit 5: Working Efficiently
- Unit 6: Competing in a Global Marketplace

Course Assessment and Participation Requirements

The course includes the following assessments:

- 13 Discussions
- 11 Assignments
- 11 Quizzes

7143: Management Fundamentals -2

Course Description

Management Fundamentals 2 is designed to give students an understanding of the functions of managers, including the management of activities and people. Students will examine management, behavior in the workplace, goal setting, the tools of business, and how to effectively compete in various domestic and international markets. Students will have the opportunity to apply their knowledge to contemporary business situations.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: State and Federal Judicial Jurisdictions and Systems
- Unit 2: Contracts and Business Structures
- Unit 3: Agency and Debt
- Unit 4: Personal and Real Property
- Unit 5: The UCC, Common Law and Consumer Protection

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Discussions
- 8 Assignments
- 13 Quizzes

7150: Personal Finance and Banking -1

Course Description

Personal Finance and Banking emphasizes the importance of financial literacy and the strategies to maximize earnings, efficient consumption, and overall life satisfaction. It covers income taxes, budgets, housing and transportation options, and retirement and estate planning. Students will be well-prepared to navigate the complex landscape of personal finance and make informed decisions that lead to financial security and wealth accumulation.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Intro to Personal Finance
- Unit 2: Financial Goals and Planning
- Unit 3: Income and Taxes
- Unit 4: Budgeting and Credit Management
- Unit 5: Housing and Transportation Needs
- Unit 6: Retirement and Estate Planning
- Unit 7: Careers in Personal Finance

Course Assessment and Participation Requirements

The course includes the following assessments:

- 9 Discussions
- 28 Assignments
- 17 Quizzes

7150: Personal Finance and Banking -2

Course Description

Personal Finance & Banking Semester 2 offers a comprehensive exploration of finance and banking. From analyzing investments like stocks and bonds to understanding electronic banking's impact, students will gain vital skills in making informed financial decisions. With insights into banking services, investment strategies, and career pathways, this course prepares students for navigating the dynamic world of finance.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Principles of Business Management
- Recommended Prerequisites: Personal Finance and Banking Semester 1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Banking
- Unit 2: Electronic Banking
- Unit 3: Services Offered by Financial Institutions
- Unit 4: Investments
- Unit 5: Competitive Environment of the Banking Industry
- Unit 6: Careers in Banking

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 32 Assignments
- 10 Quizzes

4540: Personal Financial Responsibility

Course Description

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt. Direct, concrete applications of mathematics proficiencies in projects are encouraged.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Financial Responsibility and Decision Making
- Unit 2: Income and Careers
- Unit 3: Planning and Managing Money
- Unit 4: Managing Credit and Debt
- Unit 5: Risk Management and Insurance
- Unit 6: Saving and Investing

Course Assessment and Participation Requirements

The course includes the following assessments:

- 16 Discussions
- 26 Assignments
- 28 Quizzes

5394: Preparing for College and Careers

Course Description

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first-century life and career skills, higher-order thinking, communication, leadership, and management processes, exploration of personal aptitudes, interests, values, and goals, examining multiple life roles and responsibilities as individuals and family members, planning and building employability skills, transferring school skills to life and work, and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios.

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement.
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Exploring Self
- Unit 2: Exploring Careers
- Unit 3: Exploring Postsecondary Options
- Unit 4: Making a Plan
- Unit 5: Personal Success Skills
- Unit 6: Employability Success Skills

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 26 Assignments
- 16 Quizzes

4562: Principles of Business Management -1

Course Description

Students hear a lot of contradictory advice in life. On one hand, they may hear something like “Follow your dreams. Pursue your passion and the money will come!” On the other hand, they may hear something completely opposite, like “Most startups fail! It’s much safer to get a safe, steady job.” So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Digital Applications and Responsibility
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Entrepreneurship and Startups
- Unit 2: MVP and Product Market Fit
- Unit 3: Business Models
- Unit 4: Competition
- Unit 5: Disruptive Innovation

Course Assessment and Participation Requirements

The course includes the following assessments:

- 13 Discussions
- 15 Assignments
- 7 Quizzes

4562: Principles of Business Management -2

Course Description

Students hear a lot of contradictory advice in life. On one hand, they may hear something like “Follow your dreams. Pursue your passion and the money will come!” On the other hand, they may hear something completely opposite, like “Most startups fail! It’s much safer to get a safe, steady job.” So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Digital Applications and Responsibility
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 6: Building a Team
- Unit 7: Marketing a Startup
- Unit 8: Writing a Pitch Deck
- Unit 9: Raising Capital
- Unit 10: Possibilities and Opportunities

Course Assessment and Participation Requirements

The course includes the following assessments:

- 16 Discussions
- 15 Assignments
- 7 Quizzes

7183: Principles of Computing -1

Course Description

Computer Programming is the Math of the 21st century and we all need to understand it.

Take Principles of Computing Semester 1, to understand more about software development in a hands-on, practical way. See how far computing has come. Use the Python programming language to transform an idea into a program. Create apps that solve math problems, predict your fortune and use coding techniques to improve efficiency. Explore Object Oriented Programming. Take a dive into the world of professional software developers.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Computer Science; Completed or-Enrolled In Algebra I
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- The Python [FREE software download](#) is required.
- **Please note: if you are using a Chromebook, you must be able to install [Linux](#). iPads cannot be used with this course.**

Major Topics and Concepts

- Unit 1: Overview of Computing and Logic (How are Computers Used?)
- Unit 2: How to Talk to a Computer and Get it to Answer (Introduction to Computer Programming)
- Unit 3: What Makes Code So Variable?
- Unit 4: Why Does Coding Have You in a Loop? (The Loop Construct)
- Unit 5: Decisions, Decisions...
- Unit 6: What's Your Function? (How to Divide and Conquer)
- Unit 7: Now for Something Classy
- Unit 8: Has AI Got Rhythm? How to Develop a Plan for a Program

Course Assessment and Participation Requirements

The course includes the following assessments:

- 31 Assignments
- 14 Quizzes

7183: Principles of Computing -2

Course Description

Use this course to find out what is inside a modern computer. Learn practical aspects of computing - like how information is represented using number systems, and how data is stored and accessed. Enhance your knowledge of the internet, and make yourself aware of the basics of cybersecurity. See the jobs open to trained computing professionals.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Computer Science; Completed or-Enrolled In Algebra I
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- The Python [FREE software download](#) is required.
- **Please note: if you are using a Chromebook, you must be able to install [Linux](#). iPads cannot be used with this course.**
- [Codepen](#) account

Major Topics and Concepts

- Unit 1: Computer Hardware - Hardwired to Hardware
- Unit 2: Computer That! Numbers in Computing
- Unit 3: The Internet
- Unit 4: Cybersecurity
- Unit 5: Databases
- Unit 6: Computing in Society
- Unit 7: Careers in Computing

Course Assessment and Participation Requirements

The course includes the following assessments:

- 17 Assignments
- 21 Quizzes
- 3 Discussions

4570: AP Computer Science A-1

Course Description

This computer science course follows the curriculum outlined by College Board. The lessons are aligned to the course objectives for AP Computer Science A as described in the AP Computer Science Course and Exam Description. Each unit demonstrates design, logical reasoning, and problem solving, through the use of the Java computer programming language, while using an Object-Oriented Paradigm. Vocabulary and content knowledge are emphasized and assessed throughout the course.

Students will be using the Java language to explore computer science topics and use Object-Oriented principles to solve problems and model real-life scenarios with software. These 21st-century computing skills translate to high-paying in-demand jobs projected in the field of computer science by the US Department of Labor.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: AP Computer Science Principles for Computer Science I, Algebra II
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Student computers should be equipped with Oracle Java SDK. We are using the Netbeans IDE (Interactive Development Environment) in the course videos, but the student may use an alternate IDE, of which many are available online for free download to a computer.

Major Topics and Concepts

- Unit 1: Primitive Types
- Unit 2: Using Objects
- Unit 3: Boolean Expressions and if statements
- Unit 4: Iteration
- Unit 5: Writing Classes

Course Assessment and Participation Requirements

The course includes the following assessments:

- 23 Assignments
- 30 Quizzes

4570: AP Computer Science A-2

Course Description

Computer science is the Math of the 21st century!

Part 2 of the College Board's AP Computer Science course concentrates on key concepts in modern software engineering and application design and prepares students to take the AP Computer Science exam.

All of the lessons are aligned to College Board's AP Computer Science A course, as described in the AP Computer Science Course and Exam Description. Vocabulary, professional software engineering techniques and interpretation of requirements are taught and tested in the modules. The language used is Java and the paradigm is Object-Oriented Programming, although the skills built in this course apply to other modern languages and platforms. This course is a big asset for students considering computer science, informatics or engineering in college.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: AP Computer Science Principles for Computer Science I, Algebra II
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Student computers should be equipped with Oracle Java SDK. We are using the Netbeans IDE (Interactive Development Environment) in the course videos, but the student may use an alternate IDE, of which many are available online for free download to a computer.

Major Topics and Concepts

- Unit 6: Array Data Structure
- Unit 7: ArrayList
- Unit 8: 2D Array
- Unit 9: Inheritance
- Unit 10: Recursions

Course Assessment and Participation Requirements

The course includes the following assessments:

- 21 Assignments
- 22 Quizzes

Fine Arts

[0410.05: 5th Grade Visual Arts](#)

[0410.06: 6th Grade Visual Arts](#)

[0440.68: 7th/8th Grade Exploring Music](#)

[0410.07/0410.08: 7th/8th Grade Visual Arts](#)

[4024: Art History](#)

[4206: Music History and Appreciation](#)

[4208: Music Theory and Composition -1](#)

[4208: Music Theory and Composition -2](#)

[4025: AP Art History 1](#)

[4025: AP Art History 2](#)

0410.05: 5th Grade Visual Arts

Course Description

Fifth grade Visual Arts Middle is based on the Indiana Academic Standards for Visual Arts. Students in the middle level program build on the sequential learning experiences of the elementary program that encompass art history, criticism, aesthetics, and production. Students will study and create art, including landscapes, portraits, sculptures, and collages. They will explore various art materials such as colored pencils, markers, collage, and various paint media. Students will learn the elements and principles of art such as color, line, shape, form, texture, space, balance, and repetition. Students will compare and interpret works of art. They will be able to create works of art by selecting subject matter, elements, composition, media, and techniques to communicate an idea, mood, or feeling.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Art Basics
- Unit 2: Color
- Unit 3: Master Artist
- Unit 4: Composition
- Unit 5: Mosaic

Course Assessment and Participation Requirements

The course includes the following assessments:

- 13 Assignments
- 2 Quizzes

0410.06: 6th Grade Visual Arts

Course Description

Sixth grade Visual Arts Middle is based on the Indiana Academic Standards for Visual Arts. Students in the middle level program build on the sequential learning experiences of the elementary program that encompass art history, criticism, aesthetics, and production. Students will study and create art, including landscapes, portraits, sculptures, and collages and explore various art materials. Students will learn the elements and principles of art such as color, line, shape, form, texture, space, balance, and repetition. Students will compare and interpret works of art from many various art movements. They will be able to create works of art by selecting subject matter, elements, composition, media, and techniques to communicate an idea, mood, or feeling.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Elements and Principles
- Unit 2: Art Types
- Unit 3: Medieval and Renaissance Art
- Unit 4: Romanticism
- Unit 5: Impressionism
- Unit 6: Expressionism

Course Assessment and Participation Requirements

The course includes the following assessments:

- 26 Assignments
- 8 Quizzes

0440.68: 7th/8th Grade Exploring Music

Course Description

This course is an introduction to basic music notation, music vocabulary and concepts, and the differences in genre, instrumentation and style. Students will learn to be musically literate through learning to read music on the staff and also through understanding how composers communicate ideas through their works. Activities, assignments, quizzes, and discussions all reinforce growth in understanding of basic music and music concepts. The class is divided into basic music notation and theory, instruments and their families, historic periods and genres, and music appreciation and advocacy.

- Recommended Grade: 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Elements of Music
- Unit 2: Instruments
- Unit 3: Music History
- Unit 4: Modern Music and Advocacy

Course Assessment and Participation Requirements

The course includes the following assessments:

- 16 Assignments
- 37 Quizzes
- 23 Discussions

0410.07/0410.08: 7th/8th Grade Visual Arts

Course Description

Visual Arts Middle Level is based on the Indiana Academic Standards for Visual Arts. Students in the middle-level program build on the sequential learning experiences of the elementary program that encompass art history, criticism, aesthetics, and production. Through self-reflection, including dialogue, reading, and writing, students analyze each component of their arts education as well as their own personal growth. Throughout the program, students engage in various forms of communication, utilizing a rich vocabulary and a variety of technological resources. Students continue to utilize their art knowledge and skills to make connections across the curriculum, study career options, and identify skills required for those careers. Additionally, students identify how to utilize resources of the arts community as well as how they can support the arts community. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated into the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Identity in Art
- Unit 2: Elements of Art
- Mid Reflection 1
- Unit 3: Your School Community
- Midterm Exhibit
- Second Half Pretest and Reflection
- Unit 4: Principles of Art
- Unit 5: Balance and Harmony
- Unit 6: Proportion and Emphasis
- Unit 7: Movement and Rhythm
- Unit 8: Unity and Variety

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 47 Assignments
- 11 Quizzes

4024: Art History

Course Description

Students in Art History will complete a sequential study of the history of art beginning with the realism of the mid-to-late 19th Century to the present, focusing on how each group of artists subtly altered the very definition of art by creating art that challenged what people had previously accepted as art. Students will visit major museums via the Internet to connect with each of the important periods in art, study important artists from each period, and develop an understanding of important works that exemplify each period and/or artist. Students will engage in online discussions about the works they discover with their classmates and will have opportunities to produce works of their own.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: What is/was Art? Impressionism, Pointillism, and Post-Impressionism
- Unit 2: Fauvism, Art Nouveau, Expressionism, and Cubism
- Unit 3: Marcel Duchamp

Course Assessment and Participation Requirements

The course includes the following assessments:

- 11 Discussions
- 9 Assignments
- 6 Quizzes

4206: Music History and Appreciation

Course Description

This course, Music History and Appreciation is intended to give you a brief overview of the fundamentals and origins of music, how music developed worldwide and how the development of popular music over the decades in the United States took place. We will listen to a great deal of music and learn about some of the world's most incredible artists and composers. The activities and discussions within this course will guide you to listen more critically to the music you choose. It will provide you historical perspectives through the study of numerous genres and expose you to music, starting with the origins of sacred music and ending in the popular 21st century genres of Rock N Roll, Hip Hop, Club Music, Country, Blues and Jazz. Many of the units will discuss the advancement of technology throughout the past decades and how it has not only affected our world, but our access to music and creating music.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Music Fundamentals
- Unit 2: Music of the Middle Ages & Renaissance
- Unit 3: Music of the Baroque & Classical Periods
- Unit 4: Music of the Romantic & 20th Century Periods
- Unit 5: Music of the Stage & Screen
- Unit 6: Jazz Music
- Unit 7: American Music

Course Assessment and Participation Requirements

The course includes the following assessments:

- 9 Discussions
- 20 Assignments
- 11 Quizzes

4208: Music Theory and Composition -1

Course Description

The ultimate goal of the Music Theory course is to develop each student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. This course will use integrated approaches to develop the student's aural skills, knowledge of musical notation, as well as rhythmic and melodic practice. Students will have lessons in ear training, musical dictation, keyboard basics, identification exercises and terminology in the academics of music. Music Theory 1 will cover elements such as scale patterns, rhythmic devices, tonality, and basic harmonization. This course requires students to download and submit files online after studying musical examples and working with interactive activities and drills.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- [Staff paper](#)
- [Noteflight](#): notation software, web-based - sign up for free account

Major Topics and Concepts

- Unit 1: Basics of Notation
- Unit 2: Basic Keyboard Skills
- Unit 3: Basics of Rhythm
- Creative Project 1: Rhythm
- Unit 4: Key Signatures and Tonality
- Unit 5: Intervals
- Unit 6: Triads
- Creative Project 2: Melody
- Unit 7: Seventh Chords
- Unit 8: Form
- Creative Project 3: Harmony

Course Assessment and Participation Requirements

The course includes the following assessments:

- 20 Assignments
- 39 Quizzes

4208: Music Theory and Composition -2

Course Description

The ultimate goal of a music theory course is to develop the student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. This course will continue to develop the student's aural skills, knowledge of musical notation, review rhythmic and melodic techniques gained from a beginning course in Music Theory. The course will place more emphasis on harmonic analysis, textures and composition skills. Students will have lessons in ear training, basic rhythmic and melodic sight-singing, orchestration, transposition, and harmonic voice-leading, as well as orchestration and arranging. The understanding and analysis of music is coupled with exercises in the tonal relationships of pitches (ear training) and exercises in the temporal relationships of pitches (rhythm). All the palpable elements of music, intensity, frequency, texture, form and style are approached through listening, analysis, performance and creation. In addition, Music Theory students gain valuable practical experience in simple keyboard skills, arranging and transposing for instruments and voices, and composing in limited but strictly defined forms.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft or Google Docs(See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Staff paper/ notation software
- [MuseScore](#) Download, Free Notation Software
- Noteflight.com

Major Topics and Concepts

- Unit 1: Rhythm, Meter and Tempo Review
- Unit 2: Scales and Modes
- Creative Project 1: Simple Composition Review
- Unit 3: Nonchord Tones
- Unit 4: Chromaticism
- Unit 5: Modulation
- Creative Project 2: Creating an Arrangement
- Unit 6: Voice Leading
- Unit 7: Form
- Unit 8: Instrumentation and Arranging
- Creative Project 3: Full Score

Course Assessment and Participation Requirements

The course includes the following assessments:

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- 25 Assignments
 - 34 Quizzes

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4025: AP Art History 1

Course Description

Through this course, you will go on a visual journey to discover the ways that art has functioned as a tool by rulers, patrons, and religions to shape the world we know today. You will also discover ways that art communicates cultural norms, philosophies, and values. In the end, I hope you become a more enlightened and educated globally literate citizen.

AP Art History is designed to be the equivalent of a two-semester college course. We will use **two essential components** to investigate art through time and place. The essential components are **Art Historical Thinking Skills** and **Course Content/ Big Ideas**. They should help you to make connections between art historical concepts and the 250 featured works introduced throughout the modules.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Global Prehistory, 30,000 - 500 BCE
- Unit 2: Ancient Mediterranean, 3,500 BCE - 300 CE
- Unit 3: Early Europe and Colonial Americas, 200 - 1750 CE
- Unit 4: Indigenous Americans, 1000 BCE - 1980 CE
- Unit 5: West and Central Asia, 500 BCE - 1980 CE

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 30 Assignments
- 25 Quizzes

4025: AP Art History 2

Course Description

The AP Art History course emphasizes a deep conceptual understanding of art historical concepts. Students will develop the essential skills of visual and contextual analysis. By examining works of art from diverse cultures and the relationships among these works, students develop an understanding of global artistic traditions. Students analyze works of art in their contexts, considering issues of patronage, gender, politics, religion, and ethnicity. The interpretation of the work of art is based upon its intended use, audience, and the role of the artist and the work of art in its particular society. Students will expand their knowledge of history, geography, politics, religion, languages, and literature, as they explore the story of people as told through the art they created. This course follows section one, which covered Prehistoric Art up until European Gothic, focusing on artistic characteristics, trends, innovations and cultural expression from the Proto-Renaissance to Global Contemporary.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Later Europe and Americas, 1750 - 1980 CE
- Unit 2. Africa, 1100 - 1980 CE
- Unit 3. South, East, and Southeast Asia, 300 BCE–1980 CE
- Unit 4. The Pacific, 700 - 1980 CE
- Unit 5. Global Contemporary, 1980 CE to Present

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 16 Assignments
- 18 Quizzes

Health and Physical Education

[0452.35: 5th Grade Health and Wellness](#)

[0450.05: 5th Grade Physical Education](#)

[0452.68: 6th Grade Health and Wellness](#)

[0450.06: 6th Grade Physical Education](#)

[0452.68: 7th Grade Health and Wellness](#)

[0450.07: 7th Grade Physical Education](#)

[0452.68: 8th Grade Health and Wellness](#)

[0450.08: 8th Grade Physical Education](#)

[3506: Health and Wellness](#)

[3542: Physical Education I](#)

[3544: Physical Education II](#)

0452.35: 5th Grade Health and Wellness

Course Description

Health Education in grade 5 is based on the Indiana Academic Standards for Health and Wellness. Students in grade 5 health education will learn basic skills to maintain their physical, social, mental, and intellectual health, and will learn how to set health-enhancing goals. Ongoing assessments include written evaluations, and will encourage students to make meaningful personal connections. Along with the current academic standards, there is an expectation of a continuum of reading and writing skills development.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Course Introduction
- Unit 2. Emotional Health
- Unit 3. Dimensions of Health
- Unit 4. Physical Health
- Unit 5. Goal Setting
- Unit 6. Peers and Friendships
- Unit 7. Communication and Decisions
- Unit 8. Refusal Skills
- Unit 9. Conflict Resolutions
- Unit 10. Body Image and Personal Hygiene
- Unit 11. Reducing Illness
- Unit 12. Drugs and Alcohol
- Unit 13. Gangs, Violence, and Weapons
- Unit 14. Food Labels
- Unit 15. Food Choices
- Unit 16. Healthy Snacks
- Unit 17. Food Safety

Course Assessment and Participation Requirements

The course includes the following assessments:

- 38 Assignments
- 17 Quizzes

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0450.05: 5th Grade Physical Education

Course Description

Physical Education in grade 5 is based on the Indiana Academic Standards for Physical Education. Students in grade 5 physical education will build a foundation of motor skills, and gain a basic competency in goal setting and activity planning. Physical activity is used as a venue for self-expression and for developing positive relationships. Ongoing assessment includes both written and performance-based skill evaluations. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 5
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Exercise Logs
- Unit 1. Course Introduction
- Unit 2. Community Exercise
- Unit 3. Get Moving
- Unit 4. Your Fitness Level
- Unit 5. Goal Setting
- Unit 6. Warm Up & Cool Down
- Unit 7. Exercise Safety
- Unit 8. Water Safety
- Unit 9. Posture and Technique
- Unit 10. Components of Fitness
- Unit 11. Heart Rate and Intensity
- Unit 12. FITT Principle
- Unit 13. Principles of Fitness
- Unit 14. Skill vs. Health
- Unit 15. Muscle Strength and Endurance
- Unit 16. Flexibility
- Unit 17. Body Composition

Course Assessment and Participation Requirements

The course includes the following assessments:

- 36 Assignments
- 19 Quizzes

0452.68: 6th Grade Health and Wellness

Course Description

Health Education in grade 6 is based on the Indiana Academic Standards for Health and Wellness. Students in grade 6 health education will learn and develop skills to maintain their physical, social, mental, and intellectual health, and will practice setting health-enhancing goals. Ongoing assessments include written evaluations, and will encourage students to make meaningful personal connections. Along with the current academic standards, there is an expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Influences on Health
- Unit 2: Evaluation of Health Sources
- Unit 3: Consumer Health
- Unit 4: Environmental Health
- Unit 5: Injury Prevention
- Unit 6: Household Safety
- Unit 7: Emergency Preparedness
- Unit 8: Life Threatening Situations
- Unit 9: Emotions and Behavior
- Unit 10: Trusted Adults
- Unit 11: Personal Boundaries
- Unit 12: Bullying and Harassment
- Unit 13: Human Life Cycle
- Unit 14: Human Reproductive System
- Unit 15: Puberty
- Unit 16: Sexually Transmitted Diseases

Course Assessment and Participation Requirements

The course includes the following assessments:

- 38 Assignments
- 17 Quizzes

0450.06: 6th Grade Physical Education

Course Description

Physical Education in grade 6 is based on the Indiana Academic Standards for Physical Education. Students in grade 6 physical education further refine motor skills and continue to develop goal setting skills. Physical activity is used as a venue for self-expression and for developing positive relationships. Ongoing assessment includes both written and performance-based skill evaluations. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 6
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Exercise Logs
- Unit 1. Dehydration
- Unit 2. Motivation
- Unit 3. Fitness Assessment
- Unit 4. Dimension of Health
- Unit 5. Game Strategy
- Unit 6. Evaluation and Feedback
- Unit 7. Water Safety
- Unit 8. Cross Training
- Unit 9 MyPlate
- Unit 10. Nutrition & Exercise
- Unit 11. Intake and Expenditure
- Unit 12. Food Choices
- Unit 13. Sportsmanship
- Unit 14. Respect
- Unit 15. Benefits of Fitness
- Unit 16. Staying Active

Course Assessment and Participation Requirements

The course includes the following assessments:

- 33 Assignments
- 18 Quizzes

0452.68: 7th Grade Health and Wellness

Course Description

Throughout the Health and Wellness course, students will develop attitudes and behaviors related to becoming a healthy individual. Using the Indiana Academic Standards for Health and Wellness to guide the curriculum, students will learn health related skills in developmentally appropriate views of personal and community health; safety and injury prevention; nutrition and physical activity, mental health; alcohol, tobacco and other drug use; and personal life skills. The middle school student has opportunities to relate health behaviors to the impact on personal health, well-being, and disease prevention and to accept personal responsibility for healthy decisions.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Health
- Unit 2: Personal and Community Health
- Unit 3: Mental Health
- Unit 4: Diseases
- Unit 5: Nutrition
- Unit 6: Drugs & Alcohol

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 12 Assignments
- 20 Quizzes

0450.07: 7th Grade Physical Education

Course Description

Physical Education in 7th grade based on the Indiana Academic Standards for Physical Education. Students in 7th grade physical education further refine complex motor skills and competencies in selected individual and dual lifetime physical activities, teamsports, aquatics, adventure, and rhythmic activities. Students work toward achieving competence in increasingly complex physical activity contexts. Students learn to apply interdisciplinary knowledge (e.g., anatomy, physics) to activity settings and focus on working as a team to solve problems. Students develop plans to enhance their own health-related physical fitness and participate in vigorous activities linked to their skills and levels of fitness. Physical activity is used as a venue for self-expression and for developing positive relationships. Ongoing assessment includes both written and performance-based skill evaluations. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 7
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Fitness and Safety
- Unit 2: Displaying an Active Lifestyle
- Unit 3: Leadership, Character, Sportsmanship
- Unit 4: Personal and Social Responsibility
- Midterm
- Unit 5: Fitness
- Unit 6: Foundations of Exercise
- Unit 7: Physical Activity for Physical Health
- Unit 8: Individual Sports
- Unit 9: Team Sports

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 9 Assignments
- 48 Quizzes

0452.68: 8th Grade Health and Wellness

Course Description

Throughout the Health and Wellness course, students will develop attitudes and behaviors related to becoming a healthy individual. Using the Indiana Academic Standards for Health and Wellness to guide the curriculum, students will learn health related skills in developmentally appropriate views of personal and community health; safety and injury prevention; nutrition and physical activity, mental health; alcohol, tobacco and other drug use; and personal life skills. The middle school student has opportunities to relate health behaviors to the impact on personal health, well-being, and disease prevention and to accept personal responsibility for healthy decisions.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Health and Wellness
- Unit 2: Mental, Social, and Emotional Health
- Unit 3: Nutrition
- Unit 4: Activity and Health
- Unit 5: Preventing Illness
- Unit 6: You and Your Environment

Course Assessment and Participation Requirements

The course includes the following assessments:

- 22 Assignments
- 26 Quizzes

0450.08: 8th Grade Physical Education

Course Description

Physical Education in grade 8 is based on the Indiana Academic Standards for Physical Education. Students in grades 8 physical education further refine complex motor skills and competencies in selected individual and dual lifetime physical activities and team sports. Students work toward achieving competence in increasingly complex physical activity contexts. Students learn to apply interdisciplinary knowledge (e.g., anatomy, physics) to activity settings and focus on working as a team to solve problems. Students develop plans to enhance their own health-related physical fitness and participate in vigorous activities linked to their skills and levels of fitness. Physical activity is used as a venue for self-expression and for developing positive relationships. Ongoing assessment includes both written and performance-based skill evaluations. Along with the current academic standards, the Science/Technical Studies Content Area Literacy Standards are incorporated in the teaching of this subject with the expectation of a continuum of reading and writing skills development.

- Recommended Grade: 8
- Required Prerequisites: none
- Recommended Prerequisites: none

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: The Importance of Physical Health
- Unit 2: Making a Plan to Be Physically Active
- Unit 3: Staying Safe While Exercising
- Unit 4: Preparing for Team Sports
- Unit 5: Volleyball
- Unit 6: Football
- Unit 7: Baseball
- Unit 8: Taking Ownership of Your Physical Health

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 19 Assignments
- 27 Quizzes
- Exercise logs vary by Enrollment Start Date - 1 Exercise Log per week of enrollment (Fall, Spring, Trimester)

3506: Health and Wellness

Course Description

Health is a lifelong process as well as the shared responsibility of the students, home, and community. The course will be designed to offer a practical approach to health topics that concern adolescents. The course will cover the knowledge and skills necessary for achieving optimal wellness. Social, mental, emotional, and physical health all play an important role in your well-being. Your personality makes you a unique individual, it is your own set of behaviors, attitudes, feelings, and ways of thinking. Achievement of this will be accomplished through a variety of innovative teaching techniques, interactive learning, and appropriate instructional activities. Also, students will experience successful learning in a fun and safe classroom environment. Health is a required course for graduation in the state of Indiana.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: 8th grade health education
- Credits: 1 credit per semester
- Fulfills the Health and Wellness requirement for all diplomas

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Introduction to Health and Wellness
- Unit 2: Finding Reliable Health Services and Information
- Unit 3: Setting Nutrition Goals to Enhance Health
- Unit 4: Exploring Mental Health
- Unit 5: Healthy Communication in Relationships
- Unit 6: Making Healthy Decisions with Tobacco, Alcohol, and other Drugs
- Unit 7: First Aid and CPR
- Unit 8: Advocating for Health
- Unit 9 Organ Donation

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Discussions
- 20 Assignments
- 18 Quizzes

3542: Physical Education I

Course Description

Physical Education I is based on Indiana's Academic Standards for Physical Education. The goal of this course is to develop physically educated and physically literate students who can maintain appropriate levels of cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition, knowledge skills, and confidence necessary for a lifetime of healthful physical activity. Through a variety of instructional strategies, students practice skills that demonstrate physical literacy. This includes demonstrating competency in a variety of motor skills and movement patterns; applying knowledge of concepts, principles, strategies, and tactics related to movement and performance; demonstrating the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness; exhibiting responsible personal and social behavior that respects self and others; and recognizing the value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Grade 8 Physical Education
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills part of the Physical Education requirement for all diplomas
- As a designated laboratory course, at least 25% of course time must be spent in activity

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Introduction Module: Preparing for Regular Physical Activity
- Unit 1: Benefits of Physical Education
- Unit 2: Physical Activity Goals
- Unit 3: Cardiovascular Fitness
- Unit 4: Muscular Endurance, Strength & Flexibility
- Unit 5: Team Sports
- Unit 6: Reaching Physical Activity Goal

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 21 Assignments
- 17 Quizzes
- MVPA Exercise Logs vary by Enrollment Start Date
 - 1 MVPA Exercise Log per week of enrollment (Fall, Spring, Trimester)
 - 6 MVPA Exercise Logs (Summer)

3544: Physical Education II

Course Description

Physical Education II is designed to empower students to cultivate personal wellness through active engagement in physical activities. This course follows a structured curriculum that systematically introduces key components of fitness, emphasizes the benefits of physical activity, and fosters healthy goal-setting practices. Students will explore the advantages of both individual and team sports, learn self-management strategies, and understand various types of fitness activities while prioritizing safety. The overarching goal is to instill an appreciation for a healthy lifestyle and equip students with the knowledge and skills needed to maintain physical well-being. Assessment methods include both written assignments and performance-based evaluations, with accommodations available for students with disabilities to ensure equitable participation and learning opportunities.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Physical Education I
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Fulfills part of the Physical Education requirement for all diplomas
- As a designated laboratory course, 25% of course time must be spent in activity

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Introduction Module: Preparing for Regular Physical Activity
- Unit 1: Benefits of Physical Education
- Unit 2: Making an Exercise Plan
- Unit 3: Lifetime Fitness
- Unit 4: Lifetime Sports
- Unit 5: Self-Management

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussion
- 20 Assignments
- 19 Quizzes
- Exercise logs vary by Enrollment Start Date
 - 1 Exercise Log per week of enrollment (Fall, Spring, Trimester)
 - 6 Exercise Logs (Summer)

Course Catalog



Multidisciplinary

[0500: Basic Skills Development](#)

[0532: College-Entrance Preparation](#)

0500: Basic Skills Development

Course Description

Basic skills in reading, math, and writing are fundamental building blocks that play a crucial role in an individual's personal and professional life. In this course, students will harness and develop essential skills in these subjects beginning with making inferences when reading and evaluating an author's intent to finding central ideas and clarifying word meanings, then stepping into writing lessons where they will write an argumentative essay and give an engaging presentation. Students will wrap up the course with math lessons starting with various math computations and extending to finding area and perimeter in real-world problems.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as an elective credit for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Reading: Analyzing Text, Making Inferences, and Evaluating the Author's Intent
- Unit 2: Reading: Central Idea and Details; Clarifying Word Meanings and Figurative Language
- Unit 3: Writing An Argumentative Essay and Giving An Engaging Presentation
- Unit 4: Math: Real-World Problem Solving with Rational Numbers and Geometric Shapes

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 16 Assignments
- 12 Quizzes

0532: College-Entrance Preparation

Course Description

College-Entrance Preparation prepares students to take the SAT and ACT college entrance exams. Students will receive targeted instruction to strengthen their foundations in reading, writing, mathematics, and science (all sections of the college admission and placement exams). Students will also explore college majors, the college admissions process, and paying for college.

- Recommended Grade: 11
- Required Prerequisites: English 9 and English 10 (or their equivalent), Algebra I and Geometry or Integrated Mathematics I and Integrated Mathematics II
- Recommended Prerequisites: Algebra II or Analytical Algebra II (or concurrent enrollment in Algebra II)
- Credits: 1 credit per semester
- Counts as an elective credit for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Calculator recommended

Major Topics and Concepts

- Unit 1: College Majors
- Unit 2: Colleges
- Unit 3: How to Pay for College
- Unit 4: SAT Exam
- Unit 5: ACT Exam

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 23 Assignments
- 16 Quizzes

World Language

[2182.68: Exploring World Languages: American Sign Language](#)

[2182.68: Exploring World Languages: Chinese](#)

[2182.68: Exploring World Languages: French](#)

[2182.68: Exploring World Languages: Spanish](#)

[2156: American Sign Language I-1](#)

[2156: American Sign Language I-2](#)

[2158: American Sign Language II-1](#)

[2158: American Sign Language II-2](#)

[2162: American Sign Language III-1](#)

[2162: American Sign Language III-2](#)

[2000: Chinese I-1](#)

[2000: Chinese I-2](#)

[2002: Chinese II-1](#)

[2002: Chinese II-2](#)

[2004: Chinese III-1](#)

[2004: Chinese III-2](#)

[2020: French I-1](#)

[2020: French I-2](#)

[2022: French II-1](#)

[2022: French II-2](#)

[2024: French III-1](#)

[2024: French III-2](#)

[2120: Spanish I -1](#)

[2120: Spanish I -2](#)

[2122: Spanish II -1](#)

[2122: Spanish II -2](#)

[2124: Spanish III -1](#)

[2124: Spanish III -2](#)

[2132: AP Spanish Language and Culture -1](#)

[2132: AP Spanish Language and Culture -2](#)

2182.68: Exploring World Languages: American Sign Language

This course is designed to introduce 6th through 8th-grade students to American Sign Language (ASL) and culture. The focus of the course is to develop students' basic proficiency in signing ASL, as well as to provide them with a basic understanding of ASL culture. Students will also be introduced to basic grammar concepts, and vocabulary. The course will use a variety of teaching methods including interactive activities, multimedia resources, and real-life scenarios to make the learning experience fun and engaging.

- Recommended Grade: 6, 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer

Major Topics and Concepts

- Module 0. Introduction to World Languages
- Module 1. Introduction to American Sign Language
- Module 2. Alphabet, Numbers, and Greetings
- Module 3. Family
- Module 4. Clothing and Weather
- Module 5. Holidays and Food
- Module 6. Sports and Literature

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Discussions
- 16 Assignments
- 23 Quizzes

2182.68: Exploring World Languages: Chinese

This course is designed to introduce 6th through 8th-grade students to the Chinese language and culture. The focus of the course is to develop students' basic proficiency in speaking, listening, reading, and writing in Chinese, as well as to provide them with a basic understanding of Chinese culture and customs. Students will also be introduced to basic grammar concepts, and vocabulary. The course will use a variety of teaching methods including interactive activities, multimedia resources, and real-life scenarios to make the learning experience fun and engaging.

- Recommended Grade: 6, 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer

Major Topics and Concepts

- Module 0. Introduction to World Languages
- Module 1. Introduction to the Chinese Language
- Module 2. Family, Numbers, Descriptions
- Module 3. Weather, Clothing, Colors, Numbers
- Module 4. Food and Celebration
- Module 5. Sports

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 20 Assignments
- 11 Quizzes

2182.68: Exploring World Languages: French

This course is designed to introduce 6th through 8th-grade students to the French language and culture. The focus of the course is to develop students' basic proficiency in speaking, listening, reading, and writing in French, as well as to provide them with a basic understanding of French culture and customs. Students will also be introduced to basic grammar concepts and vocabulary. The course will use a variety of teaching methods including interactive activities, multimedia resources, and real-life scenarios to make the learning experience fun and engaging.

- Recommended Grade: 6, 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer

Major Topics and Concepts

- Module 0. Introduction to World Languages
- Module 1. Bonjour et Bienvenu!
- Module 2. La Famille
- Module 3. Clothing and Weather
- Module 4. La Nourriture et Les Fêtes
- Module 5. Sports and Leisure Activities

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 17 Assignments
- 20 Quizzes

2182.68 Exploring World Languages: Spanish

This course is designed to introduce 6th through 8th-grade students to the Spanish language and culture. The focus of the course is to develop students' basic proficiency in speaking, listening, reading, and writing in Spanish, as well as to provide them with a basic understanding of Spanish culture and customs. Students will also be introduced to basic grammar concepts, and vocabulary. The course will use a variety of teaching methods including interactive activities, multimedia resources, and real-life scenarios to make the learning experience fun and engaging.

- Recommended Grade: 6, 7, 8
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer

Major Topics and Concepts

- Module 0. Introduction to World Languages
- Module 1. Greetings, Introduction, and Conversation
- Module 2. The Family
- Module 3. El Clima
- Module 4. Las Celebraciones
- Module 5. Los deportes y el ocio

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Discussions
- 21 Assignments
- 18 Quizzes

2156: American Sign Language I-1

Course Description

Students will learn how to make greetings, introductions, maintain basic conversations, and ask questions. Students will learn the five parameters of ASL and master ASL grammar including facial expressions. Students will learn how to exchange personal information and share opinions. Students will be able to describe their family and relationships. Students will describe their school surroundings, personnel, grade levels, and subjects. Students will gain knowledge of various aspects of Deaf Culture such as the origin of ASL, Deaf identity, artwork done by Deaf artists, and educational placement options for Deaf children.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer
- Access to YouTube

Major Topics and Concepts

- Unit 1: Introduction
- Unit 2: Basic Conversation
- Unit 3: Sharing Your Background
- Unit 4: Family & Friends
- Unit 5: School Days

Course Assessment and Participation Requirements

The course includes the following assessments:

- 16 Discussions
- 26 Assignments
- 43 Quizzes

2156: American Sign Language I-2

Course Description

Students will continue to widen their ASL vocabulary with topics such as sports, activities, routines, clothing, jobs, food, and animals. Students will learn spatial organization techniques to visually present information in ASL. Students will learn how to incorporate classifiers to represent objects. Students will describe their daily routines and chores. Describing their local community, and giving directions are essential skills students will acquire from this course. Students will describe the appearance and personal qualities of people. Students will be able to sign short stories such as the last time they got sick, bad hair day, and their zoo experiences.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: American Sign Language I -1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer
- Access to YouTube

Major Topics and Concepts

- Unit 1: Sports & Activities
- Unit 2: Daily Routines
- Unit 3: Describing People
- Unit 4: My Community
- Unit 5: Jobs, Food, & Animals

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 32 Assignments
- 30 Quizzes

2158: American Sign Language II-1

Course Description

American Sign Language II is an extension of basic aspects taught in American Sign Language I – basic vocabulary, structure, syntax, and grammar. Students will continue to focus on fingerspelling, numbers, facial grammar, and sentence structure while developing the conversational/cultural behaviors necessary to hold a beginning-level conversation. More examples of Deaf culture will be presented to aid student development of awareness and appreciation for the unique language. Students will also have the opportunity to build receptive and expressive sign vocabulary, use signing space, and further use of non manual components of ASL grammar including facial expression and body postures.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: American Sign Language I
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer
- Access to YouTube

Major Topics and Concepts

- Unit 1: Locating Objects
- Unit 2: Problem Solving
- Unit 3: Around the World
- Unit 4: ASL Literature

Course Assessment and Participation Requirements

The course includes the following assessments:

- 22 Discussions
- 41 Assignments
- 34 Quizzes

2158: American Sign Language II-2

Course Description

American Sign Language II is an extension of basic aspects taught in American Sign Language I – basic vocabulary, structure, syntax, and grammar. In American Sign Language II-2, students will continue to focus on fingerspelling, numbers, facial grammar, and sentence structure while developing the conversational/cultural behaviors necessary to hold a beginning-level conversation. More examples of Deaf culture will be presented to aid student development of awareness and appreciation for the unique language. Students will also have the opportunity to build receptive and expressive sign vocabulary, use signing space, and further use of nonmanual components of ASL grammar including facial expression and body postures.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: American Sign Language II
- Recommended Prerequisites: American Sign Language II-1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer
- Access to YouTube
- Access to ScreenCast

Major Topics and Concepts

- Unit 1: Life Events
- Unit 2: Object Description
- Unit 3: Cooking Directions
- Unit 4: Telling About the Trip

Course Assessment and Participation Requirements

The course includes the following assessments:

- 10 Discussions
- 48 Assignments
- 36 Quizzes

2162: American Sign Language III-1

Course Description

American Sign Language III is a continuation of American Sign Language I and II expanding the emphasis of ASL grammar, vocabulary development, conversational skills, and Deaf Culture. Students will enhance both expressive and receptive skills by preparing stories involving various classifiers, narratives, dialogue, and describing general surroundings and incidents. Students will learn how to sign medical terminology. Students will learn how to express more abstract concepts in ASL and understand conversational behaviors and various customs and aspects involved in Deaf Culture. Students will complete a Deaf culture event to expand their knowledge and put their skills to use first person.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: American Sign Language I and II
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer
- Access to YouTube

Major Topics and Concepts

- Unit 1: Incidents
- Deaf Culture
- Unit 2: Facts
- Unit 3: Rules
- Unit 4: Health
- Unit 5: Deaf Cultural Event

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 47 Assignments
- 9 Quizzes

2162: American Sign Language III-2

Course Description

American Sign Language III is a continuation of American Sign Language I and II expanding the emphasis of ASL grammar, vocabulary development, conversational skills, and Deaf Culture. Students will enhance both expressive and receptive skills by preparing first person stories using classifiers and role shifting to describe scenery and characters. Students will learn about finances and how to appropriately sign various money and number signs. Students will also have to use a variety of classifiers to describe accidents and events. Students will learn about Audism and more in depth aspects of Deaf culture.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: American Sign Language I and II
- Recommended Prerequisites: American Sign Language III-1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Webcam or Video Recording Device Access to a video-enabled computer
- Access to YouTube

Major Topics and Concepts

- Unit 1: Finance
- Unit 2: Incidents
- Unit 3: Making Decisions
- Unit 4: Storytelling

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 32 Assignments
- 12 Quizzes

2000: Chinese I-1

Course Description

This course is an introductory Chinese language course for students who have none or little prior experience in the language. It is to develop students' four skills of listening, speaking, reading, and writing the Chinese language, as well as gaining understanding of Chinese culture. Pinyin (phonetic symbols) will be used as a supplementary tool to learn the spoken language. Computer-assisted technology and online course materials are an integral part of the instruction in this class. Students will acquire basic Chinese computing skills and be proficient with the use of Microsoft Chinese IME to produce typed characters in either traditional form or simplified form.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to a video-enabled computer

Major Topics and Concepts

- Unit 1. Greetings
- Unit 2. Your Name
- Unit 3. Age
- Unit 4. Nationality
- Unit 5. School
- Unit 6. Family
- Unit 7. Location
- Unit 8. Dates
- Unit 9. Classroom

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 16 Assignments
- 14 Quizzes

2000: Chinese I-2

Course Description

This course is a continuation of the Chinese I-1. It is to develop students' four skills in languages and cultural understanding. Pinyin (phonetic symbols) will be used as a supplementary tool to learn the spoken language. After successfully learning this course, students can express preferences regarding food and drink choices, exchange opinions about food or restaurants, name different articles of clothing with appropriate measure words, describe physical features and appearances of others, express abilities in various sports, and talk about future events with limited conditions.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Chinese I-1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to a video-enabled computer

Major Topics and Concepts

- Unit 1: Food
- Unit 2: I am Hungry?
- Unit 3: Eating Chinese Food
- Unit 4: Colors
- Unit 5: Clothing
- Unit 6: Friend
- Unit 7: Sports
- Unit 8: Cute Pets
- Unit 9: Languages

Course Assessment and Participation Requirements

The course includes the following assessments:

- 15 Assignments
- 12 Quizzes

2002: Chinese II-1

Course Description

This course continues to develop students' language skills by producing meaningful, authentic communication and further develops cultural understanding. To increase proficiency in the domains of listening, speaking, reading, and writing. After successfully learning this course, students will reach a survival level of Chinese listening, speaking, reading and writing.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Chinese I
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to a video-enabled computer

Major Topics and Concepts

- Unit 1: Shopping
- Unit 2: My Day
- Unit 3: What are They Doing?
- Unit 4: Today's Weather
- Unit 5: Asking Directions
- Unit 6: Trip to China
- Unit 7: School Begins
- Unit 8: Class Schedules
- Unit 9: Chinese Class

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussions
- 14 Assignments
- 12 Quizzes

2002: Chinese II-2

Course Description

This course continues to develop students' language skills by producing meaningful, authentic communication and further develops cultural understanding. To increase proficiency in the domains of listening, speaking, reading, and writing. After successfully learning this course, students will be able to exchange detailed information and opinions orally, make educated guesses about meaning in familiar and unfamiliar contexts using radicals, read passages aloud to demonstrate improving pronunciation and fluency tones, integrate content area concepts and skills through relevant activities.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Chinese I, Chinese II -1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to a video-enabled computer

Major Topics and Concepts

- Unit 1. Professions
- Unit 2. Hobbies
- Unit 3. A Sports Meet
- Unit 4. My Room
- Unit 5. Visiting Campus
- Unit 6. My Community
- Unit 7. An Invitation
- Unit 8. Going to the Movies
- Unit 9. Dining Out

Course Assessment and Participation Requirements

The course includes the following assessments:

- 15 Assignments
- 11 Quizzes

2004: Chinese III-1

Course Description

This course continues to develop students' language skills by producing meaningful, authentic communication and further develops cultural understanding. To increase proficiency in the domains of listening, speaking, reading, and writing, students actively communicate about topics like "media & technology, holidays & celebrations, and environment." After successfully learning this course, students will reach an intermediate-high level of Chinese listening, speaking, reading and writing. Upon completion of the course, students will be able to describe an experience of going to an event, such as what you saw and learned, identify the pros and cons of various shopping experiences, recognize and explain Chinese zodiac signs and their associations, explain the story behind a festival and tradition, introduce your hometown and how nature impacts those living there, present to others the importance of participating in activities regarding environmental protection.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Chinese I and II
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to a video-enabled computer

Major Topics and Concepts

- Unit 1. Science Exhibition
- Unit 2. Shopping Online
- Unit 3. Grandpa's Birthday Unit 4. Chinese Festivals
- Unit 5. Nature
- Unit 6. Environmental Protection

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussions
- 12 Assignments
- 9 Quizzes

2004: Chinese III-2

Course Description

This course continues to develop students' language skills by producing meaningful, authentic communication and further develops cultural understanding. To increase proficiency in the domains of listening, speaking, reading, and writing, students actively communicate about topics like "health, history, culture, and travel & geography." After successfully learning this course, students will reach an intermediate-high level of Chinese listening, speaking, reading and writing. Upon completion of the course, students will express your concern to a friend who is sick and give them advice to recover; explain the dietary practices of traditional Chinese medicine and their rationale; accept an invitation with gratitude or reject an invitation with an explanation; discuss famous historical Chinese figures and their achievements; describe the logistics of your summer plans; share your travel experiences through writing or in a speech.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Chinese I, Chinese II, and Chinese III-1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to a video-enabled computer

Major Topics and Concepts

- Unit 1. Getting Sick
- Unit 2. Diet and Health
- Unit 3. Watching a Performance
- Unit 4. Getting to Know China
- Unit 5. Summer Vacation
- Unit 6. Travel Plans

Course Assessment and Participation Requirements

The course includes the following assessments:

- 12 Assignments
- 8 Quizzes

2020: French I-1

Course Description

This course introduces students to effective strategies for beginning French language learning, and to various aspects of French-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of French-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding French language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device

Major Topics and Concepts

- Unit 1: Me Voilà
- Unit 2: L'école
- Unit 3: La famille
- Unit 4: La maison

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 21 Assignments
- 18 Quizzes

2020: French I-2

Course Description

This course, a continuation of French I Semester 1, introduces students to effective strategies for beginning French language learning, and to various aspects of French-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of French-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding French language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: French I-1
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device

Major Topics and Concepts

- Unit 1: Mangeons! (Let's Eat!)
- Unit 2: Les Saisons (Seasons)
- Unit 3: En Ville (In the City)
- Unit 4: Les Passe-Temps (Pastimes)

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 18 Assignments
- 21 Quizzes

2022: French II-1

Course Description

This course builds upon effective strategies for French language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of French-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: French I
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Students must also have the ability to record audio and video with either a built-in or external webcam / microphone.

Major Topics and Concepts

- Unit 1: La Mode
- Unit 2: En Voyage
- Unit 3: En Ville
- Unit 4: La Science et la Technologie

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 18 Assignments
- 22 Quizzes

2022: French II-2

Course Description

This course is a continuation of French II Semester 1. It builds upon effective strategies for French language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of French-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: French I
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Students must also have the ability to record audio and video with either a built-in or external webcam / microphone.

Major Topics and Concepts

- Unit 1: La vie quotidienne
- Unit 2: La santé
- Unit 3: La Quête de Soi
- Unit 4: L'Esthétique

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 18 Assignments
- 21 Quizzes

2024: French III-1

Course Description

French III-1 builds upon effective strategies for French language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of French-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding French language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: French I and II
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Students must also have the ability to record audio and video with either a built-in or external webcam / microphone.

Major Topics and Concepts

- Unit 1: La vie de famille
- Unit 2: Laissez les bons temps rouler
- Unit 3: Les vacances et le loisir
- Unit 4: La vie professionnelle

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 21 Assignments
- 31 Quizzes

2024: French III-2

Course Description

French III-2 is a continuation of French III-1 and builds upon effective strategies for French language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of French-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding French language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: French I and II
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- Students must have the ability to record video with either a built-in or external webcam

Major Topics and Concepts

- Unit 1: La santé
- Unit 2: Les arts
- Unit 3: La nature
- Unit 4: La société

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 17 Assignments
- 24 Quizzes

2120: Spanish I -1

Course Description

Spanish 1-1 introduces students to effective strategies for beginning Spanish language learning and to various aspects of Spanish-speaking culture. Students acquire elementary grammar (present tense verbs, nouns and gender, adjectives and agreement, and the formation of statements and questions), themed vocabulary, and correct Spanish pronunciation while working towards the development of speaking, reading, and listening comprehension skills. Students will examine practices and products of Spanish-speaking culture through readings, videos, and discussion posts. The course also emphasizes connections to other content areas and the application of understanding Spanish language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1 - Hola ¿Cómo te llamas?
- Unit 2 - En la escuela
- Unit 3 - La familia
- Unit 4 - Los lugares
- Unit 5 - La comida

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 4 Assignments
- 61 Quizzes

2120: Spanish I -2

Course Description

Spanish 1-2 continues the introduction of effective strategies for beginning Spanish language learning and to various aspects of Spanish-speaking culture. Students begin to acquire more complex grammar structures (conjugation of stem changing, present progressive, and reflexive verbs, make comparisons, and the formation of more complex statements and questions), themed vocabulary, and correct Spanish pronunciation while working towards the development of speaking, reading, and listening comprehension skills. Students will examine practices and products of Spanish-speaking culture through readings, videos, and discussion posts. The course also emphasizes connections to other content areas and the application of understanding Spanish language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Spanish I Semester 1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1: La Casa
- Unit 2: El Cuerpo
- Unit 3: Las Celebraciones
- Unit 4: La Ropa
- Unit 5: La Rutina Diaria

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 4 Assignments
- 63 Quizzes

2122: Spanish II -1

Course Description

Habla español? Wouldn't it be great to improve your Spanish speaking skills? This second year Spanish course is designed to review the grammatical structures from first year Spanish as well as advance students' knowledge of the verb tenses. Students will practice conversations and focus on grammar, listening and reading activities. Vocabulary continues to play an important role in the learning process. Activities vary during this course from reciting poems to reading authentic materials in Spanish. Students will complete oral exams with the instructor via Google voice or students may record the responses.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Spanish I
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1: Para Empezar
- Unit 2: El día escolar
- Unit 3: Después de las clases
- Unit 4: Un evento especial
- Unit 5: Ir de compras

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 12 Assignments
- 70 Quizzes

2122: Spanish II -2

Course Description

Habla español? Do you want MORE Spanish? Let us end our second year of Spanish with this course. This second year Spanish course is designed to review the grammatical structures from first year Spanish as well as advance students' knowledge of the verb tenses. The main focus of this second semester course is to learn and use the two past tenses in Spanish. Along with learning the two tenses, students will practice conversations and focus on other grammar topics, listening and reading activities. Vocabulary continues to play an important role in the learning process. Activities vary during this course from reciting poems to reading authentic materials in Spanish. Students will complete oral exams with the instructor via Google voice or record their answers for each topic.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Spanish I
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1: Los Quehaceres
- Unit 2: ¿Adónde vas?
- Unit 3: ¿Cómo eras?
- Unit 4: Los días festivos

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 15 Assignments
- 58 Quizzes

2124: Spanish III -1

Course Description

Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. Spanish III-1 encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Spanish I, II,
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1: Repasemos
- Unit 2: La Salud
- Unit 3: En la ciudad
- Unit 4: En el futuro
- Unit 5: A viajar

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 16 Assignments
- 32 Quizzes

2124: Spanish III -2

Course Description

Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. Spanish III-2 continues to encourage interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Spanish I, II,
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1: El medio ambiente y el futuro
- Unit 2: Cocinemos!
- Unit 3: Viajemos y exploremos!
- Unit 4: Nuestras Amistades
- Unit 5: Olé!

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 13 Assignments
- 46 Quizzes

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2132: AP Spanish Language and Culture -1

Course Description

The AP Spanish Language & Culture course emphasizes communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language & Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language & Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

- Recommended Grade: 11, 12
- Required Prerequisites: Spanish I, II, and III
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1: Families in Different Societies - Las familias en sociedades diferentes
- Unit 2: The Influence of Language and Culture on Identity - La influencia del lenguaje y Cultura en Identidad
- Unit 3: Influences of Beauty and Art - Influencias de Belleza y Arte

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 32 Assignments
- 47 Quizzes

2132: AP Spanish Language and Culture -2

Course Description

The AP Spanish Language & Culture course emphasizes communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language & Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language & Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

- Recommended Grade: 11, 12
- Required Prerequisites: Spanish I, II, and III, AP Spanish -1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 4: Tecnología, individuo y sociedad
- Unit 5: El entretenimiento y la diversión
- Unit 6: Los temas del medioambiente

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 31 Assignments
- 51 Quizzes

Advanced Placement

[4025: AP Art History 1](#)

[4025: AP Art History 2](#)

[3020: AP Biology -1](#)

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[2562: AP Calculus AB-1](#)

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[1564: AP Macroeconomics](#)

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[1560: AP US Government and Politics](#)

[1562: AP US History -1](#)

[1562: AP US History -2](#)

[1612: AP World History: Modern -1](#)

[1612: AP World History: Modern -2](#)

4025: AP Art History 1

Course Description

Through this course, you will go on a visual journey to discover the ways that art has functioned as a tool by rulers, patrons, and religions to shape the world we know today. You will also discover ways that art communicates cultural norms, philosophies, and values. In the end, I hope you become a more enlightened and educated globally literate citizen.

AP Art History is designed to be the equivalent of a two-semester college course. We will use **two essential components** to investigate art through time and place. The essential components are **Art Historical Thinking Skills** and **Course Content/ Big Ideas**. They should help you to make connections between art historical concepts and the 250 featured works introduced throughout the modules.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Global Prehistory, 30,000 - 500 BCE
- Unit 2: Ancient Mediterranean, 3,500 BCE - 300 CE
- Unit 3: Early Europe and Colonial Americas, 200 - 1750 CE
- Unit 4: Indigenous Americans, 1000 BCE - 1980 CE
- Unit 5: West and Central Asia, 500 BCE - 1980 CE

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 30 Assignments
- 25 Quizzes

4025: AP Art History 2

Course Description

The AP Art History course emphasizes a deep conceptual understanding of art historical concepts. Students will develop the essential skills of visual and contextual analysis. By examining works of art from diverse cultures and the relationships among these works, students develop an understanding of global artistic traditions. Students analyze works of art in their contexts, considering issues of patronage, gender, politics, religion, and ethnicity. The interpretation of the work of art is based upon its intended use, audience, and the role of the artist and the work of art in its particular society. Students will expand their knowledge of history, geography, politics, religion, languages, and literature, as they explore the story of people as told through the art they created. This course follows section one, which covered Prehistoric Art up until European Gothic, focusing on artistic characteristics, trends, innovations and cultural expression from the Proto-Renaissance to Global Contemporary.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1. Later Europe and Americas, 1750 - 1980 CE
- Unit 2. Africa, 1100 - 1980 CE
- Unit 3. South, East, and Southeast Asia, 300 BCE–1980 CE
- Unit 4. The Pacific, 700 - 1980 CE
- Unit 5. Global Contemporary, 1980 CE to Present

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Discussions
- 16 Assignments
- 18 Quizzes

3020: AP Biology -1

Course Description

AP Biology is an introductory college-level biology course based on the content established and copyrighted by the College Board. Students cultivate their understanding of biology through inquiry-based investigations. Semester 1 of this course will explore the first four units: Chemistry of Life, Cell Structure and Function, Cellular Energetics, and Cell Communication and the Cell Cycle.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology I and Chemistry I
- Credits: 1 credit per semester
- Counts as a science course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- [AP Biology OpenStax](#)

Recommended

- *Biology Student Study Guide* by Jane B. Reece, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Robert B. Jackson, Martha R. Taylor, 9th ed. 2011; ISBN: 978-0321629920. (Can be purchased on Amazon or Cheapbooks)

Major Topics and Concepts

- Writing Papers Using APA Format
- Unit 1: Chemistry of Life
- Unit 2: Cell Structure and Function
- Unit 3: Cell Energetics
- Unit 4: Cell Communication and Cell Cycle

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 18 Assignments
- 11 Quizzes

3020: AP Biology -2

Course Description

AP Biology is an introductory college-level biology course based on the content established and copyrighted by the College Board. Students cultivate their understanding of biology through inquiry-based investigations. Semester 2 of this course will explore the last four units: Heredity, Gene Expression and Regulation, Natural Selection, and Ecology.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology I and Chemistry I
- Credits: 1 credit per semester
- Counts as a science course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- [AP Biology OpenStax](#)

Recommended

- *Biology Student Study Guide* by Jane B. Reece, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Robert B. Jackson, Martha R. Taylor, 9th ed. 2011; ISBN: 978-0321629920. (Can be purchased on Amazon or Cheapbooks)

Major Topics and Concepts

- Unit 5: Heredity
- Unit 6: Gene Expression and Regulation
- Unit 7: Natural Selection
- Unit 8: Ecology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 26 Assignments
- 12 Quizzes

2562: AP Calculus AB-1

Course Description

AP Calculus AB-1 is the first semester of the year-long Calculus class that together with AP Calculus AB-2 is equivalent to one semester of a College Calculus class.

Calculus expands a student's knowledge of topics like functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, trigonometry, etc.

AP Calculus AB-1 is made of 3 strands: Limits and Continuity; Differentiation; and Applications of Derivatives. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade: 11, 12
- Required Prerequisites: Pre-Calculus: Algebra
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a mathematics course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- TI-84 Graphing Calculator (TI-83 is also acceptable) or TI-Nspire Graphing Calculator.

Major Topics and Concepts

- Unit 1: Limits and Continuity
- Unit 2: Differentiation: Definition and fundamental Properties
- Unit 3: Differentiation: composite, Implicit, and Inverse Functions
- Unit 4: Contextual Applications of Differentiation
- Unit 5: Analytical Applications of Differentiation

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Assignments
- 61 Quizzes

2562: AP Calculus AB-2

Course Description

AP Calculus AB-2 is the second semester of the year-long Calculus class that is equivalent to one semester of a College Calculus class. Calculus expands a student's knowledge of topics like functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, trigonometry, etc.

AP Calculus AB-2 is made of 2 strands: Integrals; and Applications of Integrals. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

- Recommended Grade: 11, 12
- Required Prerequisites: Pre-Calculus: Algebra
- Recommended Prerequisites: none
- Credits: 1 credit per semester
- Counts as a mathematics course for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- TI-84 Graphing Calculator (TI-83 is also acceptable) or TI-Nspire Graphing Calculator.

Major Topics and Concepts

- Unit 4: Integration
- Unit 5: Derivatives and Integration of Logarithmic and Exponential Functions.
- Unit 6: Application of Integration (Area and Volumes)

Course Assessment and Participation Requirements

The course includes the following assessments:

- 1 Discussion
- 3 Assignments
- 27 Quizzes

4570: AP Computer Science A-1

Course Description

This computer science course follows the curriculum outlined by College Board. The lessons are aligned to the course objectives for AP Computer Science A as described in the AP Computer Science Course and Exam Description. Each unit demonstrates design, logical reasoning, and problem solving, through the use of the Java computer programming language, while using an Object-Oriented Paradigm. Vocabulary and content knowledge are emphasized and assessed throughout the course.

Students will be using the Java language to explore computer science topics and use Object-Oriented principles to solve problems and model real-life scenarios with software. These 21st-century computing skills translate to high-paying in-demand jobs projected in the field of computer science by the US Department of Labor.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: AP Computer Science Principles for Computer Science I, Algebra II
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Student computers should be equipped with Oracle Java SDK. We are using the Netbeans IDE (Interactive Development Environment) in the course videos, but the student may use an alternate IDE, of which many are available online for free download to a computer.

Major Topics and Concepts

- Unit 1: Primitive Types
- Unit 2: Using Objects
- Unit 3: Boolean Expressions and if statements
- Unit 4: Iteration
- Unit 5: Writing Classes

Course Assessment and Participation Requirements

The course includes the following assessments:

- 23 Assignments
- 30 Quizzes

4570: AP Computer Science A-2

Course Description

Computer science is the Math of the 21st century!

Part 2 of the College Board's AP Computer Science course concentrates on key concepts in modern software engineering and application design and prepares students to take the AP Computer Science exam.

All of the lessons are aligned to College Board's AP Computer Science A course, as described in the AP Computer Science Course and Exam Description. Vocabulary, professional software engineering techniques and interpretation of requirements are taught and tested in the modules. The language used is Java and the paradigm is Object-Oriented Programming, although the skills built in this course apply to other modern languages and platforms. This course is a big asset for students considering computer science, informatics or engineering in college.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: AP Computer Science Principles for Computer Science I, Algebra II
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Student computer should be equipped with Oracle Java SDK. We are using the Netbeans IDE (Interactive Development Environment) in the course videos, but the student may use an alternate IDE, of which many are available online for free download to a computer.

Major Topics and Concepts

- Unit 6: Array Data Structure
- Unit 7: ArrayList
- Unit 8: 2D Array
- Unit 9: Inheritance
- Unit 10: Recursions

Course Assessment and Participation Requirements

The course includes the following assessments:

- 21 Assignments
- 22 Quizzes

1056: AP English Language and Composition 1

Course Description

AP English Language and Composition is a course based on the content established and copyrighted by the College Board. The course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. The course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. There is no prescribed sequence of study.

- Recommended Grade: 11, 12
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required: The Language of Composition 3rd Edition (ISBN-13: 978-1319056148 / ISBN-10: 1319056148) eBook rental: Chegg, eBook rental: Amazon (Do not use Kindle version)

Major Topics and Concepts

- Unit 1: Introducing Rhetoric
- Unit 2: Close Reading: The Art and Craft of Rhetorical Analysis
- Unit 3: Analyzing Arguments: From Reading to Writing
- Unit 4: Community- What is the Relationship of the Individual to the Community?
- Unit 5: Using Pop Culture to Understand Argument.

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 22 Assignments
- 17 Quizzes

1056: AP English Language and Composition 2

Course Description

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course students should become aware of the interactions between a writer's purposes, audience expectations, and subjects, as well as the way conventions and the resources of language contribute to effective writing.

- Recommended Grade: 10, 11
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Required: The Language of Composition 3rd Edition (ISBN-13: 978-1319056148 / ISBN-10: 1319056148) eBook rental: Chegg, eBook rental: Amazon (Do not use Kindle version)

Major Topics and Concepts

- Unit 6: Creating and Shaping an Argument
- Unit 7: Argumentative Essays with a Focus on Gender Roles
- Unit 8: Argument and Synthesis
- Unit 9: Documentary Study and Review

Course Assessment and Participation Requirements

The course includes the following assessments:

- 19 Assignments
- 10 Quizzes

1058: AP English Literature and Composition 1

Course Description

Through looking at literature from across time and the globe, AP Literature and Composition works to improve the student's ability to analyze literature and gain the tools to use analysis in other areas of study. As a College Board approved course, this course follows the requirements to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for the readers. Students will consider a works structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students will also acquire the vocabulary and writing skills necessary for high-level analysis and performance on the AP test. AP Literature and Composition 1 course focuses on Poetry, short stories, and drama. Much of the study focuses on terms that the student may be familiar with, but will look at works much more closely and develops a deeper understanding of how these devices work in literature.

- Recommended Grade: 11, 12
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Short Fiction
- Unit 2: Poetry I
- Unit 3: Longer Fiction or Drama I
- Unit 4: Short Fiction II

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 29 Assignments
- 8 Quizzes

1058: AP English Literature and Composition 2

Course Description

AP Literature and Composition 2 focuses on a review of terms from semester one through the study of a novel, short stories and poetry. Students will also review the various strategies used to analyze texts. Through looking at literature from across time and the globe, the course works to improve students' ability to analyze literature and gain the tools to use analysis in other areas of study. As a College Board approved course, this class looks to deepen students' understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will acquire the vocabulary and writing skills necessary for high-level analysis and performance on the AP test.

- Recommended Grade: 11, 12
- Required Prerequisites: None
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation. Students should be able to read and comprehend college-level texts and apply the conventions of standard written English.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for grades 11 or 12 for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Unit 1: Poetry II
- Unit 2: Longer Fiction or Drama II
- Unit 3: Short Fiction III
- Unit 4: Poetry III/ Longer Fiction or Drama II

Course Assessment and Participation Requirements

The course includes the following assessments:

- 9 Discussions
- 28 Assignments
- 15 Quizzes

1564: AP Macroeconomics

Course Description

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills the economics requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Economics by McConnell, Brue, and Flynn 21st (college) Edition 978-0021403233 (AP edition). 978-1259723223 (college edition) You may rent the textbook from - chegg.com, or purchase from amazon.com

Major Topics and Concepts

- Unit 1: Basic Economic Principles
- Unit 2: Economic Indicators and the Business Cycle
- Unit 3: National Income and Price Determination
- Unit 4: Financial Sector
- Unit 5: Long-Run Consequences of Stabilization Policies
- Unit 6: Open Economy - International Trade and Finance

Course Assessment and Participation Requirements

The course includes the following assessments:

- 7 Assignments
- 27 Quizzes

1566: AP Microeconomics

Course Description

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills the economics requirement for all diplomas
- Qualifies as a quantitative reasoning course

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Economics by McConnell, Brue, and Flynn 21st (college) Edition. 978-0021403233 (AP edition) 978-1259723223 (college edition). You may rent the textbook from - chegg.com, or purchase from amazon.com

Major Topics and Concepts

- Unit 1: Basic Economic Principles
- Unit 2: Supply and Demand
- Unit 3: Production, Cost, and the Perfect Competition Model
- Unit 4: Imperfect competition
- Unit 5: Factor Markets
- Unit 6: Market Failure and the Role of Government

Course Assessment and Participation Requirements

The course includes the following assessments:

- 8 Assignments
- 29 Quizzes

1558: AP Psychology -1

Course Description

AP Psychology is a two-semester course (AP Psychology 1 and AP Psychology 2) designed to explore Psychology in greater depth than a traditional high school course. Students are introduced to foundational topics and critical thinking skills necessary to study psychology in a systematic and scientific manner. Content includes: Scientific Foundations of Psychology, Biological Bases of Behavior, Sensation and Perception, Learning, and Cognitive Psychology. Upon completion of semester 2, students will have the opportunity through The College Board to take the AP Exam. Many colleges will accept passing scores on the AP Exam as credit for Introductory Psychology.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas

Required Materials

- Microsoft Office or Google Docs (See the Minimum Technical Skills and Special Technology Utilized by Students)
- Reliable Internet Access
- Laptop or Desktop
- Adobe Acrobat Reader
- *Myers' Psychology for the AP Course, 3rd Edition*, David G. Myers, C. Nathan DeWall, Published by Bedford Freeman Worth Publishers. ISBN-13: 978-1319362546 ISBN-10: 1319362540
 - Textbook can be purchased from [Amazon](#)
 - Textbooks cannot be purchased at Indiana Online

Major Topics and Concepts

- Unit 1: Scientific Foundations of Psychology
- Unit 2: Biological Bases of Behavior
- Unit 3: Sensation & Perception
- Unit 4: Learning
- Unit 5: Cognitive Psychology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 19 Assignments
- 16 Quizzes

1558: AP Psychology -2

Course Description

AP Psychology is a two-semester course (AP Psychology 1 and AP Psychology 2) that is designed for college-bound students desiring to earn college credit for Introductory Psychology or to explore Psychology in greater depth than a traditional high school course. In AP Psychology 2, students are introduced to the foundational topics and critical thinking skills necessary to study psychology in a systematic and scientific manner. Content covered in this course include Motivation and Emotion, Development, Personality, Stress and Health Psychology, Disorders and Social Psychology

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Counts as an elective for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- *Myers' Psychology for the AP Course, 3rd Edition*, David G. Myers, C. Nathan DeWall, Published by Bedford Freeman Worth Publishers. ISBN-13: 978-1319362546 ISBN-10: 1319362540
 - Textbook can be purchased from [Amazon](#)
 - Textbooks cannot be purchased at Indiana Online

Major Topics and Concepts

- Unit 6: Developmental Psychology
- Unit 7: Motivation, Emotion, and Personality
- Unit 8: Clinical Psychology
- Unit 9: Social Psychology

Course Assessment and Participation Requirements

The course includes the following assessments:

- 5 Discussions
- 15 Assignment
- 8 Quizzes

2132: AP Spanish Language and Culture -1

Course Description

The AP Spanish Language & Culture course emphasizes communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language & Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language & Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

- Recommended Grade: 11, 12
- Required Prerequisites: Spanish I, II, and III
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 1: Families in Different Societies - Las familias en sociedades diferentes
- Unit 2: The Influence of Language and Culture on Identity - La influencia del lenguaje y Cultura en Identidad
- Unit 3: Influences of Beauty and Art - Influencias de Belleza y Arte

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 32 Assignments
- 47 Quizzes

2132: AP Spanish Language and Culture -2

Course Description

The AP Spanish Language & Culture course emphasizes communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language & Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language & Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

- Recommended Grade: 11, 12
- Required Prerequisites: Spanish I, II, and III, AP Spanish -1
- Credits: 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- Webcam or Video Recording Device
- Access to video-enabled computer

Major Topics and Concepts

- Unit 4: Tecnología, individuo y sociedad
- Unit 5: El entretenimiento y la diversion
- Unit 6: Los temas del medioambiente

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 31 Assignments
- 51 Quizzes

1560: AP US Government and Politics

Course Description

AP US Government offers students the opportunity to see how individuals and their ideas can shape the world in which they live. It invites them to explore central questions of liberty and justice in practice. In this course, you will be studying the American experience in self-governance. The objective of this course is not only to fulfill a state requirement for graduation but also to instill in you a sense of civic responsibility. Civic participation is an obligation and fulfilling this obligation requires knowledge—an understanding of the purpose, principles, and practices of American Government. Remember the words of Thomas Jefferson: “Whenever people are well informed, they can be trusted with their own government.”

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read a college level textbook and write grammatically correct sentences.
- Credits: 1 credit per semester
- Fulfills the government requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Government in America: People, Politics, and Policy 14th edition (or newer) Pearson Publishing)
Purchase the textbook at [amazon.com](https://www.amazon.com) or [chegg.com](https://www.chegg.com) before the course begins.

Major Topics and Concepts

- United States Naturalization
- Unit 1: Foundations of American Democracy
- Unit 2: Interactions Among Branches of Government
- Unit 3: Civil Liberties and Civil Rights
- Unit 4: American Political Ideologies and Beliefs
- Unit 5: Political Participation

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 29 Assignments
- 15 Quizzes

1562: AP US History -1

Course Description

AP US History is a college-level survey course which examines United States History from the pre-Columbian period to the present, focusing on the nation's political, economic, intellectual, cultural and social history. The first semester will focus on the pre-Columbian period through the Reconstruction of the United States after the Civil War. Some of the major topics included are the foundations in the New World, Colonial America, the American Revolution, Building America, Reform Movements, Westward Movement, Sectionalism, and the Civil War. The class is taught using themes of history and historical thinking skills to prepare students for the AP US History Exam and Educational experiences beyond high school.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the US History requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- The American Pageant, A History of the Republic, 15th Edition by Kennedy, Cohen, and Thomas. (ISBN-13: 978-1111349530 / ISBN-10: 1111349533) Purchase or rental available on Amazon.com or chegg.com

Major Topics and Concepts

- AP Keys to Learning
- Unit 1: Founding the New Nation,
- Unit 2: Building the New Nation, 1776-1860
- Unit 3: Testing the New Nation, 1820-1877

Course Assessment and Participation Requirements

The course includes the following assessments:

- 4 Discussions
- 13 Assignments
- 30 Quizzes

1562: AP US History -2

Course Description

AP US History is a college-level survey course which examines United States History from the pre-Columbian period to the present, focusing on the nation's political, economic, intellectual, cultural, and social history. The second semester of the class begins after Reconstruction in America and goes to the present day. Some of the major topics are the Rise of Capitalism, Urbanization, Imperialism, WWI, the 1920s, the Great Depression, WWII, the Cold War, Civil Rights Movement, and Modern America. The class is taught using themes of history and historical thinking skills to prepare students for the AP US History Exam and educational experience beyond high school.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the US History requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- The American Pageant, A History of the Republic, 15th Edition by Kennedy, Cohen, and Thomas. (ISBN-13: 978-1111349530 / ISBN-10: 1111349533) Purchase or rental available on Amazon.com or chegg.com

Major Topics and Concepts

- Unit 4: Forging an Industrial Society 1865 - 1909
- Unit 5: Struggling for Justice at Home and Abroad 1890 - 1945
- Unit 6: Making Modern America 1945 to Present

Course Assessment and Participation Requirements

The course includes the following assessments:

- 2 Discussions
- 17 Assignments
- 33 Quizzes

1612: AP World History: Modern -1

Course Description

AP World Modern is an introductory college-level course that focuses on the world's history. Throughout the first semester, we will trace the development of the world's political and social structures, wars and revolutions, technological growth, artistic movements, religious beliefs and practices, and the connections between civilizations from pre-civilization through the global connections of the eighteenth century. The goal of the course is for each student to develop a firm understanding of human history and how we got to the point we are now. APWH is structured around the investigation of five themes and 19 key concepts that will be discussed over the six chronological time periods. Therefore, the course relies heavily on a college-level textbook, primary and secondary source documents, essay writings, and projects. This course will be based on the following activities: individual reading and note-taking, lecture, discussion posts, document readings, and AP World History skills. This is a demanding course, yet it will be a rewarding experience for you in the end, helping you to see the global connection and to prepare you for college.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the geography history of the world/world history and civilizations graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- World Civilizations, The Global Experience AP Edition, 5th Edition Author: Peter N Stearns Publisher: Pearson Longman; 5 edition (November 30, 2006) (ISBN-10: 0132206994 / ISBN-13: 978-0132206990); <http://www.amazon.com>

Major Topics and Concepts

- Unit 1: The Global Tapestry 1200 - 1450
- Unit 2: Networks of Change 1200 - 1450
- Unit 3: Land-Based Empires
- Unit 4: Trans-Oceanic Interconnections

Course Assessment and Participation Requirements

The course includes the following assessments:

- 3 Discussions
- 26 Assignments
- 56 Quizzes

1612: AP World History: Modern -2

Course Description

AP World Modern is an introductory college-level course that focuses on the world's history. Throughout the second semester, we will trace the development of the world's political and social structures, wars and revolutions, technological growth, artistic movements, religious beliefs and practices, and the connections between civilizations from the global connections of the eighteenth century through to the present day. The goal of the course is for each student to develop a firm understanding of human history and how we got to the point we are now. APWM is structured around the investigation of five themes and 19 key concepts that will be discussed over the six chronological time periods. Therefore, the course relies heavily on a college-level textbook, primary and secondary source documents, essay writing, and projects. This course will be based on the following activities; individual reading and note-taking, lecture, discussion posts, document readings, and AP World History skills. This is a demanding course, yet it will be a rewarding experience for you in the end, helping you to see the global connection and to prepare you for college.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: Students should be able to read and comprehend college-level texts and apply the convention of Standard Written English in their writing.
- Credits: 1 credit per semester
- Fulfills the geography history of the world/world history and civilizations graduation requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader
- World Civilizations, The Global Experience AP Edition, 5th Edition Author: Peter N Stearns Publisher: Pearson Longman; 5 edition (November 30, 2006) (ISBN-10: 0132206994 / ISBN-13: 978-0132206990); <http://www.amazon.com>

Major Topics and Concepts

- Unit 5: Revolutions 1750 - 1900
- Unit 6: Consequences of Industrialization 1750 - 1900
- Unit 7: Global Conflict 1900 to the present
- Unit 8: Cold War and Decolonization 1900 - present
- Unit 9: Globalization 1900 - present
- AP World Semester 2 Project

Course Assessment and Participation Requirements

The course includes the following assessments:

- 6 Discussions
- 29 Assignments
- 54 Quizzes

Dual Credit - Ivy Tech

[3026 \(BIOL 101\): Biology II, \(Introduction to Biology\)](#)

[1076 \(COMM 102\): Adv. Speech & Communication, \(Introduction to Interpersonal Communication \)](#)

[1006 or 1008 \(ENGL 111\): English 11 or English 12 \(English Composition\)](#)

[1124 \(ENGL 206\): Adv. English/Language Arts, College Credit \(Introduction to Literature \)](#)

[1542 \(HIST 101\): US History -1 \(Survey of American History 1\)](#)

[1542 \(HIST 102\): US History -2 \(Survey of American History 2\)](#)

[2564 \(MATH 136\): Pre-Calculus: Algebra, \(College Algebra\)](#)

[2566 \(MATH 137\): Pre-Calculus: Trigonometry, \(Trigonometry & Analytical Geometry\)](#)

[2124 \(SPAN 101\): Spanish III-1 \(Spanish Level I\)](#)

[2124 \(SPAN 102\): Spanish III-2 \(Spanish Level I\)](#)

3026 (BIOL 101): Biology II, (Introduction to Biology)

Course Description

Introduction to Biology (3026 Biology II) is a college-level course that can be taken for both college and high school credit. This course introduces the basic concepts of life. It includes discussion of cellular and organismal biology, evolution, ecology, and interaction among all living organisms. It also addresses applications of biology in a global community.

- Recommended Grade: 11, 12
- Required Prerequisites: 2.6 GPA on a 4-point scale. Must be Core 40 four semesters completed.
- Credits: 1 credit per semester
- Fulfills a science course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Scientific method
- Animal biology
- Plant biology
- Biotechnology
- Genetics
- Ecology
- Phylogeny
- Basic inorganic and organic chemistry principles
- Cell cycle and the mechanisms of molecular genetics
- Natural selection and evolution
- Cell structure and function
- General process of energy transformation
- World issues and their effects on the field of biology

1076 (COMM 102): Adv. Speech & Communication, (Introduction to Interpersonal Communication)

Course Description

Introduction to Interpersonal Communication focuses on the process of interpersonal communication as a dynamic and complex system of interactions. Provides theory, actual practice, and criticism for examining and changing human interactions in work, family, and social contexts. Includes topics such as perception, self-concept language, message encoding and decoding, feedback, listening skills, conflict management, and other elements affecting interpersonal communication in various world contexts.

- Recommended Grade: 11, 12
- Required Prerequisites: 2.6 GPA on a 4-point scale. Must be Core 40 four semesters completed.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Perception
- Orientation to Interpersonal Communication
- Self-concept and self-esteem
- Communication models and elements
- Language
- Relational development and maintenance
- Effective listening
- Nonverbal communication
- Effective conversations
- Communication in intimate relationships, and family relationships
- workplace Empathic responses
- Persuasion and power
- Conflict management
- Self-disclosure and feedback
- Technology and communication
- Small group communication
- Diversity and multiculturalism

1006 or 1008 (ENGL 111): English 11 or English 12 (English Composition)

Course Description

English Composition(1006 English 11 or 1008 English 12) is a college-level course that can be taken for both college and high school credit. This course is designed to develop students' abilities to think, organize, and express their ideas clearly and effectively in writing. It incorporates reading, research, and critical thinking. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison, analysis, persuasion, and argumentation. A research paper is required.

- Recommended Grade: 11, 12
- Required Prerequisites: 2.6 GPA on a 4-point scale. Must be Core 40 four semesters completed.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Academic writing
- The rhetorical situation
- The writing process
- Generating ideas
- Navigating digital information
- Library and other research methods
- Annotation
- Citation and plagiarism

1124 (ENGL 206): Adv. English/Language Arts, College Credit (Introduction to Literature)

Course Description

Introduction to Literature (1124 Advanced English/Language Arts, College Credit) is a college-level course that can be taken for both college and high school credit. This course is designed to develop basic strategies for critical reading and interpreting poetry, fiction, and drama; introduction to the premises and motives of literary analysis and critical methods associated with various literary concerns through class discussion and focused writing assignments.

- Recommended Grade:11, or 12
- Required Prerequisites: ENGL 111 and GPA 2.6 on a 4-point scale. Must be Core 40 four semesters complete.
- Credits: 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Modes of exposition
- Elements of style
- The process of writing
- Analysis of fiction
- Computer resources
- Analysis of poetry
- Analysis of drama
- Figurative language
- Comparative literature
- Multicultural issues in literature

1542 (HIST 101): US History -1 (Survey of American History 1)

Course Description

Survey of American History I (1542 US History) is a college-level course that can be taken for both college and high school credit. This course covers major themes and events in American history from domestic and global standpoints, including exploration of the New World; the colonial period; causes and results of the American Revolution; the development of the federal system of government; the growth of democracy; early popular American culture; territorial expansion; slavery and its effect; reform movements, sectionalism; causes and effects of the Civil War.

- Recommended Grade: 11, 12
- Required Prerequisites: 2.6 GPA on a 4-point scale. Must be Core 40 four semesters completed.
- Credits: 1 credit per semester
- Fulfills the US History course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- First Americans
- The American Colonies
- The Revolutionary War Era
- Westward expansion
- Slavery and the impending crisis
- Reconstruction
- European exploration and colonization
- The Developing New Nation
- The Reform Movements
- Jacksonian Era
- The Civil War

1542 (HIST 102): US History -2 (Survey of American History 2)

Course Description

Survey of American History II (1542 US History) is a college-level course that can be taken for both college and high school credit. This course covers major themes including the post Civil War period, western expansion, industrial growth of the nation and its effects, immigration and urban discontent and attempts at reform, World War I, the Roaring Twenties, social and governmental changes of the thirties, World War II and its consequences, the growth of the federal government, social upheaval in the sixties and seventies, and recent trends in conservatism, globalization, and cultural diversity.

- Recommended Grade: 11, 12
- Required Prerequisites: 2.6 GPA on a 4-point scale. Must be Core 40 four semesters completed.
- Credits: 1 credit per semester
- Fulfills the US History course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Reconstruction
- Western expansion
- The Progressive Era
- The Roaring Twenties
- Rise of Urban America
- Becoming a world power
- World War I
- The Great Depression and the New Deal

2564 (MATH 136): Pre-Calculus: Algebra, (College Algebra)

Course Description

College Algebra (2564 Pre-Calculus: Algebra) is a college level course that can be taken for both college and high school credit. This course presents an in-depth study of functions, quadratic, polynomial, radical, and rational equations, radicals, complex numbers, absolute value equations and inequalities, rational fractions and exponential and logarithmic functions.

- Recommended Grade: 11, 12
- Required Prerequisites: Demonstrated competency through appropriate assessment or successful completion of MATH 100 Intermediate Algebra
- Credits: 1 credit per semester
- Fulfills a math course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader
- Scientific and/or graphing calculator

Major Topics and Concepts

- Functions
- Radicals and rational expressions
- Graphs of equations and functions
- Complex Numbers
- Exponential and logarithmic functions
- Absolute value equations and inequalities
- Quadratic, polynomial, rational and radical equations

2566 (MATH 137): Pre-Calculus: Trigonometry, (Trigonometry & Analytical Geometry)

Course Description

Trigonometry with Analytic Geometry (2566 Pre-Calculus: Trigonometry) is a college level course that can be taken for both college and high school credit. This course presents an in-depth study of right triangle trigonometry, oblique triangles, vectors, graphs of trigonometric functions, trigonometric identities and equations and complex numbers in rectangular and polar/trigonometric forms, rectangular and polar coordinates and conics.

- Recommended Grade: 11, 12
- Required Prerequisites: Demonstrated competency through appropriate assessment or successful completion of MATH 100 Intermediate Algebra
- Credits: 1 credit per semester
- Fulfills a math course requirement for all diplomas

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader
- Scientific and/or graphing calculator

Major Topics and Concepts

- Complex numbers
- Right and oblique triangles
- Graphs of trigonometric functions
- Rectangular and polar coordinates
- Conics
- Angles and trigonometric functions
- Vectors
- Trigonometric equations and identities
- Rational functions

2124 (SPAN 101): Spanish III-1 (Spanish Level I)

Course Description

Spanish 101 is an introductory course in Spanish. It focuses on developing students' capacity to use the language and to appreciate Spanish-speaking cultures. Emphasis is placed on skills of listening, speaking, reading, writing, and grammar acquisition.

- Recommended Grade: 11, 12
- Required Prerequisites: 2.6 GPA on a 4 point scale. Must be Core 40 four semesters completed.
- Credits: 1 credit per semester
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Master basic Spanish vocabulary and grammar.
- Understand simple oral communication about familiar topics, such as greetings, the alphabet, numbers, the weather and the calendar, descriptions of people, clothing, and leisure activities.
- Speak in simple sentences about specific topics with enough accuracy to be understood by a native speaker of the language.
- Ask and answer questions on everyday topics in the present tense.
- Write simple standard expressions, complete sentences and short paragraphs.
- Read and discuss simple paragraphs and articles which may include cultural and literary works.
- Demonstrate understanding of the cultures of the Spanish-speaking world.
- Demonstrate understanding of the geography of the Spanish-speaking world.

2124 (SPAN 102): Spanish III-2 (Spanish Level I)

Course Description

Spanish 101 is an introductory course in Spanish. It focuses on developing students' capacity to use the language and to appreciate Spanish-speaking cultures. Emphasis is placed on skills of listening, speaking, reading, writing, and grammar acquisition.

- Recommended Grade: 11, 12
- Required Prerequisites: SPAN 101
- Credits: 1 credit per semester
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader

Major Topics and Concepts

- Master basic Spanish vocabulary and grammar.
- Speak in Spanish about a variety of everyday topics, such as the holidays and the family, the home and household chores, the activities of a daily routine, college and academic subjects, professions and the workplace, and ordering food and drink in a restaurant.
- Speak about familiar topics using the present and the past tenses in both formal and informal situations with enough accuracy to be understood by a native speaker.
- Paraphrase material in Spanish.
- Describe and express ideas in writing with coherence.
- Read and discuss Spanish articles and texts with understanding.
- Demonstrate knowledge, understanding and appreciation of the Spanish language and cultures of the Spanish-speaking world.

Dual Credit - Trine University

[3090 \(BIO 1003\): Advanced Science, College Credit \(Plants and People\)](#)

[1078 \(SP 203\): Advanced Speech and Communication \(Effective Speaking\)](#)

[5274 \(BIO 163\): Medical Terminology \(Medical Terminology\)](#)

[3086 \(PH 154\): Physics II \(College Physics I\)](#)

[4562 \(BA 123\): Principles of Business Management \(Business Concepts\)](#)

3090 (BIO 1003): Advanced Science, College Credit (Plants and People)

Course Description

This dual credit course through Trine University is an introduction to the basic principles of plant biology and the interrelationship between plants and humans with an emphasis on basic plant anatomy and physiology, economic and historical importance, and the roles of plants in the biosphere. Open to non-science majors only.

- Recommended Grade: 11, 12
- Required Prerequisites: 3.0 GPA
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader
- *A book is required for this course. "Plants & People" by James D Mauseth ISBN 9781449657178 (Can be purchased on [Amazon](#))*

1078 (SP 203): Advanced Speech and Communication (Effective Speaking)

Course Description

Throughout this Trine University course, students will learn communication principles to improve public speaking and listening skills. Through application, students will develop confidence in the delivery of oral presentations. Additionally, students will learn how to organize, outline, research, and conduct audience analysis to prepare for effective speaking.

- Recommended Grade: 11, 12
- Required Prerequisites: MA 113, MA123 (Ivy Tech's MATH 136 and MATH 137 will also meet this requirement)
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader
- *A book is required for this course. "A Speaker's Guidebook" by Dan O'Hair, Rob Stewart, and Hannah Rubenstein ISBN 9781457663536 (Can be purchased on [Amazon](#))*

5274 (BIO 163): Medical Terminology (Medical Terminology)

Course Description

This dual credit course through Trine University introduces building and utilizing a medical vocabulary through the use of prefixes, suffixes, word roots, and combining forms/vowels. Emphasis is placed on correct spelling, pronunciation, and knowing the correct definitions of many medical terms

- Recommended Grade: 11, 12
- Required Prerequisites: 3.0 GPA
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader
- *A book is required for this course. "Medical Terminology" (Custom) \$160.25 (This fee could vary slightly)*

3086 (PH 154): Physics II (College Physics I)

Course Description

This Trine University course is an algebra-based introduction to the concepts and application of Newton's Law, linear and rotational motion, work, energy, and momentum, solids and fluids, and heat. Experimental investigation of selected topics. Prerequisites: MA 113, MA 123 Prerequisite: MA 113 and MA 123. Corequisite:

Lab Required

- Recommended Grade: 11, 12
- Required Prerequisites: MA 113, MA123 (Ivy Tech's MATH 136 and MATH 137 will also meet this requirement)
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader
- *A book is required for this course. "College Physics" (7th Edition) by Jerry D. Wilson, Anthony J. Buffa, and Bo Lou ISBN 9780321601834 (Can be purchased on [Amazon](#))*

4562 (BA 123): Principles of Business Management (Business Concepts)

Course Description

This dual credit course through Trine University is designed to introduce the student to business issues and practices in the United States. All major functions of business are included (management, marketing, law, finance, economics, operations, accounting, information technology) as well as issues facing the business person (ethics, globalization, motivation, etc.) Suitable for students considering a career in business as well as for non-business majors who will interact with the business enterprises (e.g., educators, engineers).

- Recommended Grade: 11, 12
- Required Prerequisites: 3.0 GPA
- Credits: 1 credit per semester

Required Materials

- Microsoft or Google Docs
- Reliable Internet Access
- Laptop or Desktop Computer
- Adobe Acrobat Reader