



2010

COURSE CATALOG

WASHINGTON HIGH SCHOOL

To Register

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High School

(with reading level reference guide)



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Mathematics

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High School



Arts and Technology

Introduction to the Internet

This eighteen-week course gives students a basic understanding of how to navigate and search for information on the web. After taking this course, the Internet will be a familiar resource tool for research and explorations.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Be able to navigate the internet with ease. Understand and explain what precautions need to be safe. Explain what qualities and actions make someone a successful online student. Use related vocabulary like browser, URL and World Wide Web. Search and locate information on the World Wide Web. Explain what plagiarism is and understand how to use resources to find information and then communicate it in their own words. Distinguish quality websites from poor ones. Use multimedia tools to publish a project online.

Reading level: **7.09**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Photoshop Design

In this course, students explore the techniques of Photoshop, the elements of art and the principles of design. Students receive an overview of the world of digital art while completing fun, hands-on creative projects. Requirement: Adobe Photoshop program 7.0 or 6.0. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Analyze and manipulate the dimensions and resolution of an image.
- Use basic selection tools to silhouette and edit parts of an image.
- Paint images and parts of an image using the Brush tool, blend modes, and gradients.
- Correct color problems and use special color effects.
- Use the full range of retouching tools to correct or alter portions of an image.
- Create composite images that demonstrate advanced selection and layering techniques.
- Set and modify typography using the full range of type tools, the Character panel, and the Paragraph panel.
- Create a clear, readable typography design on a photographic background.
- Apply filters that enhance the appearance of photos and give images an illustrated or artistic appearance.
- Use Photoshop to create a self-portrait.

Reading level: **9.2**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Enrichment and Special Needs

Enrichment and Special Needs

Integrated Science (Special Needs)

Integrated Science asks students to look at websites from all over the world to learn about different topics. One week students will be swimming in the deep ocean with whales, another time they might be investigating bugs; next they might journey out to Mars!

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate knowledge about animals, including penguins, polar bears, whales, and hummingbirds.
- Demonstrate an understanding of energy, including potential and kinetic energy.
- List plants that bloom during different seasons.
- Describe different species of trees.
- Explain what causes different types of weather.
- Explain how the nervous system operates.
- Demonstrate knowledge about glaciers, including what they are and how they form.
- Explain how rainbows are formed.

Reading level: **8.9**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

Health and Life Skills

Health (Auto-Grade)

AG Health is an auto-graded (self-scored) version of the Health course, with added photographs, multimedia, and 20 to 25 self-scoring questions per lesson, in addition to a weekly essay question. AG Health has added coverage on SARS, epidemiology, and environmental health.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain and practice various ways to take charge of their health and lifestyle.
- Create personal physical fitness goals
- List the physical and psychological benefits of managing their health.
- Understand the importance of a weight maintenance program and the dangers of anorexia and bulimia.
- Create and follow through with personal physical fitness goals.
- Explain the risks associated with tobacco and alcohol use.
- Describe the risks associated with drug abuse and what to do if they think they or someone they know has a drug problem.
- Describe some guidelines for using over the counter drugs safely.
- Demonstrate knowledge about the stages of grief.
- Explain the importance of dietary fiber, water, and specific vitamins and minerals.
- Explain how to read ingredient and nutritional information on food labels.
- Understand what AIDS is, how HIV is transmitted, and how to prevent HIV infection.
- Explain how the consumption of everyday products affects the availability of renewable and nonrenewable natural resources for future generations and explain environmental threats in the home.

Reading level: **8.83**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Health and Life Skills

High School Health

This course presents students with a clear look at the health issues facing humanity today. Students begin by evaluating their own level of health and move into areas of health risks, nutritional needs, exercise, drugs, self-care, environment, and safety. This is a hands-on course where students learn to take charge of their own health by practicing preventative health habits. The course includes a wealth of high-quality, up-to-date Internet resources. Note: In accordance with state mandates, this course includes education on drugs and alcohol, AIDS, and sexuality so that students can make informed, responsible decisions.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain and practice various ways to take charge of their health and lifestyle.
- Create personal physical fitness goals
- List the physical and psychological benefits of managing their health.
- Understand the importance of a weight maintenance program and the dangers of anorexia and bulimia.
- Create and follow through with personal physical fitness goals.
- Explain the risks associated with tobacco and alcohol use.
- Describe the risks associated with drug abuse and what to do if they think they or someone they know has a drug problem.
- Describe some guidelines for using over the counter drugs safely.
- Demonstrate knowledge about the stages of grief.
- Explain the importance of dietary fiber, water, and specific vitamins and minerals.
- Explain how to read ingredient and nutritional information on food labels.
- Understand what AIDS is, how HIV is transmitted, and how to prevent HIV infection.
- Explain how the consumption of everyday products affects the availability of renewable and nonrenewable natural resources for future generations and explain environmental threats in the home.

Reading level: **8.83**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Life Management

Life Management provides students with an opportunity to look at their lives in terms of self-examination, self-actualization, community involvement, personal health, money management skills, college planning, resource and time management, and career options. The course stresses a reflective as well as an analytical approach to life skills, and includes journal writing as an integral element of the course. The culminating activity, an autobiography from the perspective of ten years from today, asks students to think concretely about their futures.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Write an autobiography.
- Set concrete goals for the future.
- Create a resume.
- Plan what career they want to go into after graduation.
- Understand steps they can take to manage their health.
- Choose a bank and use a checking account.
- Decide if they want to go to community college, tech school, or a four-year university.
- Explain the costs of owning a vehicle.
- Explain the importance of diversity and respect for all people.
- Create a schedule to manage time spent on physical, intellectual, and social activities.

Reading level: **11.97**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Language Arts

Art History Renaissance to Modern

Art History: Renaissance to Modern is a one-semester course that provides students with knowledge of, and appreciation for, the art and culture of the Renaissance. Students learn about the lives and works of some of the finest Renaissance artists by using numerous multimedia websites from all over the world. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Consider and form an opinion to the question What is art and why have people created it throughout history?
- Analyze and interpret the meaning of works of art, from the renaissance period to the contemporary period.
- Correctly use fundamental art and art historical terminology.
- Articulate visual and art historical concepts in written form.
- Study and comment on a wide range of pieces of arts to develop perceptual skills.
- Understand and explain the history and development of visual art, its major periods, movements, concepts and artists, and its historical, social, cultural, religious, and political contexts.
- Create a report about an artist's life and work.

Reading level: **11.15**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

British Literature

Through the voices of a diverse group of authors, thinkers, and prominent political and cultural figures, British Literature surveys the history of the English language from the Old English period through the contemporary writers of today. By using lively websites and integrating comparative elements across theme, historical period and interpretive medium, students receive a dynamic multimedia approach to the study of literature. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Respond to historically significant works of literature that reflect and enhance their studies of history and social science.
- Appreciate writers such as Keats, Shelley, and Carroll.
- Demonstrate in-depth knowledge about a British author by researching and writing a 1200-word author-study essay.
- Identify such figures as Samuel Pepys, Oscar Wilde, and William Shakespeare.
- Analyze novels, drama, poems and other types of writing.
- Demonstrate increased reading and vocabulary comprehension through a variety of oral and written evaluation methods.
- Progress to additional courses in literature, writing, and related subjects.

Reading level: **11.49**

Grade Level: 12th
Semesters: 2
Credits: 1.0

Language Arts

Creative Writing

Creative Writing is a friendly, student-centered course written for all skill levels, fostering creative writing in a variety of forms. Students explore journal writing, poetry, fiction, and nonfiction, such as letter writing and technical writing.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Improve descriptive writing skills by practicing writing and using specific adjectives and sensory details.
- Read newspaper articles for information and write summaries.
- Research social issues and respond to them in writing.
- Improve emotive writing skills.
- Identify and correct sentence fragments and run-on sentences.
- Write an informative/how to article.
- Write descriptive character descriptions.
- Create a unique short story.

Reading level: **6.74**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Drama in Literature

The course begins with a study of the Greek tragedy, Antigone. Students move on to the Elizabethan Age and study Shakespeare's *The Tempest*. For the Victorian Era, students read Oscar Wilde's *The Importance of Being Earnest*. The course concludes with an examination of the existentialist dramas of the Twentieth Century, including Jean-Paul Sartre's play, *No Exit*. In addition to reading plays, students study elements of stagecraft and production during each major dramatic period and read author biographies. Drama in Literature can be combined with Shakespearean Literature to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Read and discuss selections from classical Greek to contemporary drama.
- Create an original play.
- Read, reflect, and write about consequences of a character's decisions and actions.
- Understand and use relevant vocabulary.
- Recognize playwrights like Oscar Wilde and William Shakespeare.
- View a film and write a review.
- Increase appreciation for drama and playwrights.

Reading level: **11.4**

Grade Level: 12th
Semesters: 1
Credits: 0.5

Language Arts

English 101 Making Friends

Students learn basic conversation skills, pronunciation and transcription. Games and stories make learning memorable. Vocabulary is increased with picture and audio dictionaries and fun "picture glossaries." This is a colorful exercise, where students click on different objects to see and hear their English names. The glossaries include the rooms of a house, a garden, a family portrait, and many others.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

- Name the consonants and vowels.
- Pronounce all the letters of the alphabet.
- Demonstrate an understanding of how to correctly use personal pronouns.
- Describe how word order affects meaning.
- Demonstrate increased vocabulary.
- Use conjunctions correctly.
- Use prepositions correctly.
- Demonstrate an understanding of how to use the present progressive tense.
- Correctly use regular and irregular verbs.
- Correctly use object pronouns.
- Demonstrate an understanding of how to correctly use punctuation.

Reading level: **9.33**

Grade Levels: 7th - 12th
Semesters: 2
Credits: 1.0

English 102 Road Trip USA

Students learn to converse on many subjects. Picture and audio dictionaries expand vocabulary. The internet provides reading challenges, following the theme of travel and sightseeing. Complex sentence structures are mastered and over 300 vocabulary words are taught. A focus on conversation among friends and strangers allows for listening and speaking practice in every lesson. The travel theme includes geography as well as information gathering and direction.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

- Improve english grammar, reading skills, and conversation skills.
- Increase vocabulary.
- Increase knowledge of common english phrases and expressions.
- Correctly use the positive, comparative, and superlative forms.
- Correctly use prefixes and suffixes.
- Define the different parts of speech.
- Be able to use descriptive adjectives, possessive adjectives, irregular verbs, and prepositions of place and time.
- Understand and use subject and object pronouns.
- Understand and use the present, present progressive, and past tense.
- Understand and use infinitives, gerunds, and imperatives.

Reading level: **4.02**

Grades: 9th - 12th
Semesters: 2
Credits: 1.0

Language Arts

English 103 Internet Explorations B

In English 103, students continue to build their understanding of English grammar as they learn the values of global citizenship. This course opens with a section on multi-culturalism in which students read and listen to short articles. The second half centers around readings on the Internet which are analyzed through guided activities. Students explore all major English-speaking cultures. Listening is a component of each lesson and includes an auto-graded quiz.

COURSE OBJECTIVES:

The objective of this course is for students to build on their English grammar and reading skills and learn about different English-speaking cultures.

Reading level: **8.85**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

English 103 One World

In English 103, students continue to build their understanding of English grammar as they learn the values of global citizenship. This course opens with a section on multi-culturalism in which students read and listen to short articles. The second half centers around readings on the Internet which are analyzed through guided activities. Students explore all major English-speaking cultures. Listening is a component of each lesson and includes an auto-graded quiz.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Improve english grammar and reading skills.
- Increase vocabulary.
- Demonstrate knowledge about different English-speaking cultures.
- Correctly use prefixes and suffixes.
- Define the different parts of speech.
- Correctly use articles, indefinite pronouns, indefinite adjectives, and demonstrative pronouns.
- Understand and use perfect tenses and the progressive tenses.
- Understand and use stative verbs, phasal verbs, adjective clauses, the gerund and infinitives.

Reading level: **8.48**

Grades: 9th - 12th
Semesters: 2
Credits: 1.0

English 104 Writing for Life

In English 104, students develop writing skills for a variety of personal, academic, and professional situations. Students write essays, poetry, letters, a personal biography, and fiction. Grammar knowledge strengthens with practical usage of English. The course is focused on building writing skills, but there are also large listening and reading comprehension components. As in all English preparation offerings, TOEFL preparation is a high priority.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate increased written English skills for pleasure, academics, or work.
- Practice writing biographies autobiographies, short stories, poetry, essays and letters.
- Demonstrate increased vocabulary.
- Use correct punctuation and other proper sentence conventions.
- Demonstrate knowledge of and correct use of different parts of speech.
- Demonstrate comprehension of common English phrases and slang.
- Demonstrate correct usage of progressive forms of tenses.

Reading level: **8.1**

Grade Level: 9th - 12th
Semesters: 2
Credits: 1.0

Language Arts

English 105 Learning for Life

In English 105, students gain an extended vocabulary, useful in personal, academic, and professional situations. Over 700 subject-specific vocabulary words are learned, facilitating intellectual and scientific conversations and improving familiarity with the academic environment. Aspects of writing and conversing are thoroughly covered in the major academic disciplines of science, mathematics, literature and history.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

- Demonstrate increased vocabulary.
- Be able to use the main terms associated with the Scientific Method, Chemistry, and Physics.
- Understand and use terms associated with mathematics.
- Demonstrate an ability to use terms associated with different literary genres.
- Demonstrate an ability use historical terms.
- Understand and use terms associated with art.
- Define terms associated with College.
- Learn and use terms associated with the working world.

Reading level: **8.35**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

English 106 TOEFL Success

TOEFL Success is a course designed to help students not simply pass, but achieve a high score on the TOEFL exam. The multiple-choice TOEFL exam tests non-native English speakers on their proficiency in American English. TOEFL Success helps students successfully prepare to take the exam with confidence, through 36 fun, interactive lessons.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

- Increase their vocabulary.
- Improve their grammar skills.
- Improve their conversational skills.
- Increase their listening comprehension.
- Demonstrate understanding of tense, agreement, idiom, and diction.
- Explain the phases of culture shock.
- Will be prepared to take the TOEFL.

Reading level: **7.12**

Grade Level: 9th - 12th
Semesters: 2
Credits: 1.0

Language Arts

English Fundamentals

English Fundamentals provides students an introduction to sophisticated literary analysis, multiple modes of writing, and various literary genres. It also maintains a strong emphasis on vocabulary enrichment and grammar. Each lesson integrates basic terms, vocabulary words, reading passages and a writing assignment. The course is geared toward independent thinking, building from basic reading comprehension and grammar exercises in the beginning to comparative text analysis and grammatical self-correction by the end. The course includes two review lessons and frequently draws from previous lessons to inform and enrich later ones. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to:

- Properly use punctuation marks in sentences and paragraphs.
- Correctly apply the common rules of capitalization when writing.
- Rewrite documents using proper capitalization and punctuation.
- Define noun, pronoun, adjective, and verb, and give examples.
- Describe the different types of nouns, and form the plurals of nouns.
- Explain the proper use of personal pronouns.
- Identify adjectives and predicate adjectives, and use helping verbs.
- Identify the principal parts of verbs and verb tenses for regular and irregular verbs.
- Make adverbs from adjectives.
- Identify and define adverbs, prepositions, conjunctions, and interjections.
- Identify the word in sentences that is modified by an adverb.
- Show comparisons using both adjectives and adverbs.
- Identify prepositional phrases and the objects of prepositions.
- Explain the use of interjections in writing.
- List and explain the main components of complete sentences.
- Identify and correct sentence fragments and run-on sentences.
- Describe the four different types of sentences, and give examples.
- Form singular and plural verbs.
- Provide agreement between subjects and verbs.
- Define the term homonym, and give examples.

Reading level: **7.31**

Grade Level: 9th
Semesters: 2
Credits: 1.0

Language Arts

English Fundamentals (Auto-Grade)

An auto-graded (self scored) version of the English Fundamentals course, with added photographs, multimedia, and 20 to 25 self-scoring questions per lesson, in addition to a weekly essay question. AG English Fundamentals has added topics on writing mechanics, vocabulary, and a "reader's response" section to prompt literary analysis. College Prep.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to:

- Properly use punctuation marks in sentences and paragraphs.
- Correctly apply the common rules of capitalization when writing.
- Rewrite documents using proper capitalization and punctuation.
- Define noun, pronoun, adjective, and verb, and give examples.
- Describe the different types of nouns, and form the plurals of nouns.
- Explain the proper use of personal pronouns.
- Identify adjectives and predicate adjectives, and use helping verbs.
- Identify the principal parts of verbs and verb tenses for regular and irregular verbs.
- Make adverbs from adjectives.
- Identify and define adverbs, prepositions, conjunctions, and interjections.
- Identify the word in sentences that is modified by an adverb.
- Show comparisons using both adjectives and adverbs.
- Identify prepositional phrases and the objects of prepositions.
- Explain the use of interjections in writing.
- List and explain the main components of complete sentences.
- Identify and correct sentence fragments and run-on sentences.
- Describe the four different types of sentences, and give examples.
- Form singular and plural verbs.
- Provide agreement between subjects and verbs.
- Define the term homonym, and give examples.

Reading level: **8.7**

Grade Level: 9th
Semesters: 2
Credits: 1.0

English Internet Exploration B

English Internet Explorations B is a popular follow-up to English Internet Explorations A. Topics include: raptors, the Ben Franklin Museum, volcanoes, and Godzilla. Assignments regularly include creative writing. This is a good non-traditional English course for students without strong English skills. Meets graduation requirements.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

- Increase reading and writing skills.
- Demonstrate knowledge about the Civil War and slavery in America.
- Explain how solar energy works.
- Identify famous people like Benjamin Franklin, Mark Twain, Martin Luther King, Jr., and Cesar Chavez.
- Demonstrate knowledge about some Earth Science topics including biomes, volcanoes, hurricanes, and earthquakes.
- Demonstrate knowledge about some Space Science topics including our solar system and comets and meteors.

Reading level: **8.4**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

Language Arts

English Internet Explorations A

Students learn to converse on many subjects. Picture and audio dictionaries expand vocabulary. The Internet provides reading challenges, following the theme of travel and sightseeing. Complex sentence structures are mastered and over 300 vocabulary words are taught. A focus on conversation between friends and strangers allows for listening and speaking practice in every lesson. The travel theme includes geography as well as information gathering and directions.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Increase reading and writing skills.
- Demonstrate knowledge about different cultures like the Mayans.
- Demonstrate knowledge about different places including Pompeii, China, and the Grand Canyon.
- Demonstrate knowledge about different animals, including deep sea creatures and wolves.
- Explain how light and sound work.
- Demonstrate knowledge about oceans and outerspace.

Reading level: **8.1**

Grade Levels: 7th - 12th
Semesters: 2
Credits: 1.0

English Internet Explorations A

English Internet Explorations A integrates the core subjects of English, Science, and Social Studies in a fun, lively course. Students polish their reading and writing skills while visiting exciting websites. Assignments regularly include creative writing projects. This is a good non-traditional English course for students without strong English skills. Meets graduation requirements.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Increase reading and writing skills.
- Demonstrate knowledge about different cultures like the Mayans.
- Demonstrate knowledge about different places including Pompeii, China, and the Grand Canyon.
- Demonstrate knowledge about different animals, including deep sea creatures and wolves.
- Explain how light and sound work.
- Demonstrate knowledge about oceans and outerspace.

Reading level: **8.1**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

Language Arts

History of America

This one-year course visits aspects of American history and provides a well-rounded, comprehensive depiction of American events, from the American Revolution to modern times. Students review many photographs, maps, and speeches from different time periods, as well as cultural descriptions. American History is a substantial, exciting course with a wealth of informative, exciting websites to explore. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Recognize and describe the major historical events that influenced the development of America.
- List the major wars Americans participated in, their causes, and who was involved.
- Identify the major figures—explorers, colonists, military officers, politicians, inventors, Diplomats, Presidents, et al—who participated in America's growth.
- Explain the political forces that helped to shape America.
- Describe the impact of America on world events at various times.
- Trace how the U.S. expanded from the original 13 colonies to its present size.
- Demonstrate a comprehensive knowledge of the Declaration of Independence and the Constitution.
- Demonstrate a comprehensive knowledge of how the Civil Rights Movement changed the country.

Reading level: **11.32**

Grade Level: 11

Honors American Literature

This course is a reading and writing-intensive version of our Literature of America course. "Literature of America Description: Presented in anthology form, this course helps students develop the tools and perspectives necessary to read American literature with care, understanding, and enjoyment. The course includes the historical development of American literature from the Colonial period to the 20th Century. It combines a carefully selected collection of short stories, essays, poems, and plays, with a comprehensive guide to writing essays and reports. Additional books, magazines, encyclopedias, and other reference materials may be required to fulfill written requirements. College Prep."

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain the characteristics of the different genres, including the short story, novel, poetry, nonfiction, and essay.
- Identify such figures as Benjamin Franklin, Nathaniel Hawthorne, and Maya Angelou.
- Demonstrate knowledge about the themes of American classics like *The Great Gatsby*, *The Scarlet Letter* and *The Grapes of Wrath*.
- Appreciate writers such as Dickinson, Fitzgerald, Salinger, Twain, and Thoreau.
- Analyze novels, short stories, poems, and other types of writing.
- Better understand the objectives and accomplishments of the various writers.
- Improve their own writing skills in any of the genres.
- Demonstrate increased reading and vocabulary comprehension through a variety of oral and written evaluation methods.
- Progress to additional courses in literature, writing, and related subjects.

Reading level: **11.4**

Grade Level: 11th
Semesters: 2
Credits: 1.0

Language Arts

Honors Drama in Literature

This course is a reading and writing-intensive version of our Drama in Literature course. Students read dramatic works from various historical periods, including classical Greece, the Renaissance, the Enlightenment, the Victorian Era, and the Twentieth Century. Students study notable dramatists throughout the ages, from Sophocles to Sartre. Students also learn about various aspects of stagecraft, dramatic conventions, and genres. For their final projects, students write and critique their own dramatic plays. Honors Drama Literature can be combined with Honors Shakespearean Literature to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:
 Read and discuss selections from classical Greek to contemporary drama.
 Create an original play.
 Read, reflect, and write about consequences of a character's decisions and actions.
 Understand and use relevant vocabulary.
 Recognize playwrights like Oscar Wilde and William Shakespeare.
 View a film and write a review.
 Increase appreciation for drama and playwrights.

Reading level: **11.4**

Grade Level: 12th
 Semesters: 1
 Credits: 0.5

Honors English Fundamentals

This course is a reading and writing-intensive version of our English Fundamentals course. Students read classic and contemporary literature, including excerpts from The Odyssey, The Call of the Wild, and the works of O'Henry, Mark Twain, and William Shakespeare. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to:
 Properly use punctuation marks in sentences and paragraphs.
 Correctly apply the common rules of capitalization when writing.
 Rewrite documents using proper capitalization and punctuation.
 Define noun, pronoun, adjective, and verb, and give examples.
 Describe the different types of nouns, and form the plurals of nouns.
 Explain the proper use of personal pronouns.
 Identify adjectives and predicate adjectives, and use helping verbs.
 Identify the principal parts of verbs and verb tenses for regular and irregular verbs.
 Make adverbs from adjectives.
 Identify and define adverbs, prepositions, conjunctions, and interjections.
 Identify the word in sentences that is modified by an adverb.
 Show comparisons using both adjectives and adverbs.
 Identify prepositional phrases and the objects of prepositions.
 Explain the use of interjections in writing.
 List and explain the main components of complete sentences.
 Identify and correct sentence fragments and run-on sentences.
 Describe the four different types of sentences, and give examples.
 Form singular and plural verbs.
 Provide agreement between subjects and verbs.
 Define the term homonym, and give examples.

Reading level: **8.7**

Grade Level: 9th
 Semesters: 2
 Credits: 1.0

Language Arts

Honors Literature of the World

In this reading and writing-intensive version of our World Literature course, students read works such as Beowulf, The Epic of Gilgamesh, The Iliad and other favorite tales. College Prep.
 Description of World Literature: " Students read short stories, poetry, drama, biographies, and essays about people and places in other countries in this course. Themes help students bridge the gap between their own and other cultural and historical contexts. Expanded sections on contemporary, European, African, and Asian literature enrich students' perspectives of today's global society. Stories from the past and present are presented with equal enthusiasm. "

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:
 Explain the characteristics of the different genres, including the short story, novel, poetry, drama, nonfiction, and essay.
 Use their new vocabulary to discuss, write about, and understand literature.
 Compare and contrast literature from around the world.
 Demonstrate an understanding of character motivation.
 Improve their own writing skills in any of the genres.
 Demonstrate an appreciation for such writers as Shakespeare, Homer, and Dickens.
 Read texts written in Old English.
 Analyze and describe novels, short stories, poems, dramas, and other types of writing.
 Better understand the objectives and accomplishments of the various writers.
 Research and write a 1500 word research paper.
 Read more effectively for both knowledge and enjoyment.
 Progress to additional courses in literature, writing, and related subjects.

Reading level: **10.4**

Grade Level: 10th
 Semesters: 2
 Credits: 1.0

Honors Shakespearean Literature

This eighteen-week course is a reading and writing-intensive version of our Shakespearean Literature course. Students study and interpret the works of William Shakespeare such as Hamlet, A Midsummer's Night Dream and Romeo and Juliet. Honors Shakespearean Literature can be combined with Honors Drama Literature to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:
 Explain what foreshadowing is and give examples of foreshadowing.
 Demonstrate comprehensive knowledge of Hamlet.
 Demonstrate comprehensive knowledge of Romeo and Juliet.
 Demonstrate comprehensive knowledge of The Winter's Tale.
 Demonstrate comprehensive knowledge of A Midsummer Night's Dream.
 Write a 1500-word essay on The Winter's Tale.

Reading level: **11.7**

Grade Level: 12th
 Semesters: 1
 Credits: 0.5

Language Arts

Journal Writing

The reasons for keeping a journal are many. It can aid in self-reflection, to clarify ideas, or simply serve as amusement. Whatever the reason, the act of putting pen to paper (or fingertips to keyboard, as the case may be) is empowering. Journal Writing encourages the young writer through a variety of activities such as free writing, response to literature, prompts, graphical activities that allow the student to express him or herself via creation of cartoons, logos, "tags" and signatures, and finally, production of one's own book.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Use free-writing to stimulate creativity.
- Explore a variety of topics to stretch as writers.
- Read and respond to quotes and literary passages.
- Write lengthy responses to given prompts
- Read poetry and write about their impressions of it.
- Write with a command of Standard English conventions.
- Progress to additional courses in literature, writing, and related subjects.

Reading level: **7.74**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Literature of America

Presented in anthology form, this course helps students develop the tools and perspectives necessary to read American literature with care, understanding, and enjoyment. Additional books, magazines, encyclopedias, and other reference materials may be required to fulfill written requirements. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain the characteristics of the different genres, including the short story, novel, poetry, drama, nonfiction, and essay.
- Improve their own writing skills in any of the genres.
- Appreciate such writers as Dickinson, Fitzgerald, London, Twain, and Thoreau.
- Analyze novels, short stories, poems, dramas, and other types of writing.
- Better understand the objectives and accomplishments of the various writers.
- Identify such figures as Benjamin Franklin, Nathaniel Hawthorne, and Maya Angelou.
- Demonstrate increased reading and vocabulary comprehension through a variety of oral and written evaluation methods.
- Progress to additional courses in literature, writing, and related subjects.

Reading level: **9.80**

Grade Level: 11th
Semesters: 2
Credits: 1.0

Language Arts

Literature of the World

Students read short stories, poetry, drama, biographies, and essays about people and places in other countries in this course. Themes help students bridge the gap between their own and other cultural and historical contexts. Expanded sections on contemporary, European, African, and Asian literature enrich students' perspectives of today's global society. Stories from the past and present are presented with equal enthusiasm. Additional books, an encyclopedia, and other reference materials may be required to fulfill writing requirements. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain the characteristics of the different genres, including the short story, novel, poetry, drama, nonfiction, and essay. Use their new vocabulary to discuss, write about, and understand literature. Compare and contrast literature from around the world.
- Demonstrate an understanding of character motivation. Improve their own writing skills in any of the genres. Demonstrate an appreciation for such writers as Shakespeare, Homer, and Dickens. Read texts written in Old English. Analyze and describe novels, short stories, poems, dramas, and other types of writing. Better understand the objectives and accomplishments of the various writers. Research and write a 1500 word research paper. Read more effectively—for both knowledge and enjoyment.
- Progress to additional courses in literature, writing, and related subjects.

Reading level: **11.4**

Grade Level: 10th
Semesters: 2
Credits: 1.0

Shakespearean Literature

This eighteen-week course examines William Shakespeare's work. Students also examine the controversy of authorship. Did William Shakespeare really write the plays, or was it the Earl of Oxford or Christopher Marlowe? Shakespearean Literature is designed to introduce students to the works of Shakespeare as well as stimulate those who are familiar with his style of writing. Shakespearean Literature can be combined with Drama in Literature to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the life of William Shakespeare.
- Define Renaissance and the factors that contributed to it.
- Explain how Shakespeare was affected by the Puritans.
- Demonstrate knowledge about the different repertory companies in Shakespeare's time.
- Demonstrate knowledge about the political climate of the time.
- Explain what foreshadowing is and give examples of foreshadowing.
- Demonstrate comprehensive knowledge of Julius Caesar.
- Demonstrate comprehensive knowledge of A Midsummer Night's Dream.

Reading level: **11.7**

Grade Level: 12
Semesters: 1
Credits: 0.5

Language Arts

Writing Tutorials

Our Writing Tutorials course helps students sharpen their writing skills through a non-threatening, step-by-step approach. The following types of essays are analyzed and practiced: compare/contrast, persuasive, eyewitness report, critical review, reflective, interpretive, narrative prose, and research. Students learn to develop the writing process from brainstorming to outlining, to drafting and revising. They learn how to cite sources correctly in different types of writing, visiting an array of websites that teach the skills and practices of sound writing. Each lesson provides a rubric, so students know exactly how their writing will be evaluated. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:
 Name and use the steps of the writing process. Demonstrate an ability to write a clear and focused introduction, body, and conclusion of an essay. Write an effective comparison-contrast essay. Write an effective persuasive essay.
 Create an eyewitness account. Write a critical review. Create a narrative. Write a research report.

Reading level: **9.5**

Grade Levels: 9th - 12th
 Semesters: 1
 Credits: 0.5

Mathematics

Algebra 1 (Auto Grade)

Upon completion of this course, students will be able to demonstrate knowledge and:
 Perform basic operations with signed numbers; evaluate exponential expressions, variable expressions, and formulas; combine monomials and polynomials, using the four basic operations.
 Solve equations; set up equations that describe real problems; solve inequalities with one unknown.
 Locate and graph points; graph lines; write equations of lines; solve equations with two unknowns by graphing; understand the use of graphing in applications.
 Perform operations involving monomials and polynomials with exponents; perform square root operations; solve equations containing radicals.
 Factor constants, monomials, trinomials, and the difference of two perfect squares or cubes; solve quadratic equations by factoring or via the quadratic formula.
 Simplify numeric, algebraic, and complex fractions; multiply, divide, add, or subtract monomial and polynomial fractions; find the lowest common denominators and equivalent fractions; solve linear and quadratic equations containing fractions.

COURSE OBJECTIVES:

Students will review and continue where they left off in pre-algebra. They will demonstrate mastery of the four basic arithmetical operations, fractions, decimals, percents, exponents, factoring, graphing methods, and functional notation. They will be able to simplify expressions and solve inequalities and equations, including systems. After completing this course, students will be ready to enter Geometry and then Algebra 2.

Reading level: **9.16**

Grade Levels: 9th- 12th
 Semesters: 2
 Credits: 1.0

Mathematics

Algebra 2

Elaborating on the lessons learned in Pre-Algebra and Algebra 1, Algebra 2 broadens its scope to include all the essential topics needed to be successful in College Algebra, Pre-Calculus or Trigonometry. Algebra 2 is supported by the informative, user-friendly Omega website. Topics include: functions, logarithmic functions, exponential functions, complex numbers and more. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:
 Define and explain a function, and determine whether or not an expression is a function. Explain the use of, and solve problems involving, ratios and proportions.
 Describe common logarithms, and solve problems using them. Graph exponential functions. Solve problems involving direct square relationships. Perform synthetic division. Evaluate complex fractions. Solve problems involving rate, time, and distance; solve problems involving mixture, concentrate, and work. Use the remainder theorem when dividing a polynomial by a binomial. Find the determinant of a matrix. Use the Gauss-Jordan elimination method to solve systems of equations.
 Use Cramer's rule to solve systems of equations. Graph lines and equations involving parabolas, cubes, and absolute value.
 Solve linear inequalities in one variable, and graph the solution sets. Graph linear inequalities in two variables.
 Determine the number of combinations or permutations available. Calculate simple probability and mathematical expectations.

Reading level: **10.3**

Grade Levels: 10th - 12th
 Semesters: 2
 Credits: 1.0

Mathematics

Economics 101

In this eighteen-week course, students use the Internet to learn and apply the fundamental concepts of modern economics. In addition to studying the primary types of economic systems, laws of supply and demand, and other key economic concepts, students learn about the impact that jobs, earnings, and career decisions have on their buying power and quality of life.

Economics 101 explains economic concepts in a simple, understandable way. Lessons involve problem-solving activities for real-life questions and scenarios. Economics 101 can be combined with U.S. Government to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Define common economic terms and concepts and economic reasoning. Explain the law of supply and demand. List the different economic systems and compare and contrast them. Explain what the national debt represents. Explain how the Federal Reserve System works. Analyze and describe the influence of the federal government on the American economy. Describe problems caused by inflation and deflation. List examples of jobs that pay an hourly wage and examples of jobs that pay a salary. Analyze and describe the elements of the U.S. labor market in a global setting. Explain reasons for supporting and opposing the minimum wage.

Gage the strength of another country's dollar against the U.S. dollar. Compare and contrast the different types of businesses.

List and describe social service programs that the United States provides.

Analyze and describe the relationship between income and education.

List and describe different taxes.

Analyze and describe the elements of America's market economy in a global setting.

Analyze and describe the aggregate economic behavior of the U.S. economy.

Analyze and describe the issues of international trade such as specialization.

Describe how the U.S. economy effects, and is affected by, economic forces beyond the borders of the United States.

Reading level: **8.21**

Grade Level: 12
Semesters: 1
Credits: 0.5

Geometry

Plane Geometry employs the Omega Math website to present concepts of Euclidean space, proofs using deductive reasoning, an introduction to three-dimensional space, and applications of two and three-dimensional spaces. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Define solid, plane, line, point, parallel, transversal, and radian. Identify the dimensions of solids, planes, lines, and points.

Describe the various types of lines, triangles, and polygons. Define all terms related to angles, their measurement, their size, and their location.

Calculate angle sizes and the areas of polygons. Identify and use the tools necessary for drawing simple geometric figures. Construct precise circles, angles, perpendiculars, angle bisectors, and parallel lines.

Classify triangles according to their angles and the lengths of their sides.

Define terms related to triangles and other polygons. Solve proportion

problems. Calculate the interior angles of polygons with a different number

of sides. Use various properties of circles to solve practical problems.

Calculate the length of an arc, and the area and circumference of an ellipse.

Define, identify, and calculate the surface area and volume of cylinders,

pyramids, cones, and spheres. Solve for missing dimensions in solids. Use

geometry to solve a wide range of practical problems.

Reading level: **4.87**

Grade Levels: 9th - 11th
Semesters: 2
Credits: 1.0

Mathematics

Math Proficiency

This course prepares students for the Math section of the High School Proficiency Test. It covers the test content and also provides test-taking strategies and sample test problems. Meets graduation requirements.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

Be prepared for the Math section of the High School Proficiency Test. Solve problems involving percentages. Round numbers. Compute with standard or metric units. Compute with common units of measurements. Read scales on a measurement device. Explain the characteristics of lines and 2-dimensional figures. Find perimeter and area of polygons. Find surface area and volume of rectangular solids. Read and use tables, charts, maps and graphs. Demonstrate and understanding of elementary notions of probability. Compute averages. Utilize strategies for solving simple number sentences. Use formulas. Evaluate algebraic expressions.

Reading level: **9.5**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Pre-Algebra

Pre-Algebra, supported by the straightforward, user-friendly Omega Math website, explores the building blocks of Algebra and basic math. It covers all the essential topics needed to be successful in future algebra courses, including fractions, order of operation, decimals, word problems and topics from Geometry. All lessons encourage self-grading practice questions, geared toward the successful performance on tests given twice at the end of each chapter. College Prep

COURSE OBJECTIVES:

In Pre-Algebra, the goal is for students to build on their elementary skills so that they will be prepared for Algebra 1. Students are introduced to algebraic expressions and integers, polynomials, right triangles, and how to solve equations and inequalities. They will master working with decimals, fractions, exponents, square roots, ratios and percents. Students will be able to calculate area and volume and will be able to graph.

Reading level: **8.39**

Grade Levels: 9th - 10th
Semesters: 2
Credits: 1.0

Mathematics

Study of the Environment

Study of the Environment examines the interrelationships between humans and the natural world. Main topics include: ecosystems, land resources, water resources, biodiversity, pollution, waste and waste reduction, energy, and sustainable development. Emphasis is on tying solutions – and students' roles in these solutions – to the environmental issues and problems discussed. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the natural resources that the planet offers, from timber, oil, and food crops to our oceans.
- Demonstrate knowledge about the interaction between biotic and abiotic parts of different ecosystems.
- Explain why it makes sense to use an ecosystem approach to conservation. Describe the importance of coral reefs including the present and potential resources. Explain the implications of deforestation and list some solutions. List some of the concerns associated with coal.
- Demonstrate comprehensive knowledge about concerns related to water resources, including pollution and over-fishing. Explain the importance of biodiversity. Explain the causes of air pollution and list some solutions.
- Demonstrate comprehensive knowledge about how human waste affects the planet and what we can do to reduce the impact. Demonstrate a comprehensive knowledge about the various types of energy—nuclear, solar, wind, heat, biomass, etc. and their uses. Explain how destroying forests and wetlands as well as energy use causes global warming.
- List some of the social and environmental problems that could develop due to an increase in the human population and why sustainable development is crucial.

Reading level: **10.8**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Survival Math

Students identify and practice skills essential to independent living. Exercises provide challenges in day-to-day living, including purchases, living expenses, health care decisions and future planning to improve knowledge and build self-confidence in facing these issues. Meets graduation requirements.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Calculate salary, commission, and taxes.
- Write checks, balance a checkbook, and use a debit card.
- Use a simple formula to calculate yearly interest rates
- Prepare and use a comprehensive personal budget.
- Interpret a nutritional label.
- Understand and explain what is required when going through the process of renting an apartment.
- Understand and explain how mortgages work.
- List the major factors to consider when buying a car, whether new or used.
- List the different types of auto insurance and define insurance terminology.
- Consider the options, costs, and benefits regarding personal insurance.
- List guidelines for using credit responsibly, define credit terminology and describe how credit cards work.
- Describe how credit scores are determined.
- Determine how much initial money is needed for various types of investing.
- Define stocks, mutual funds, bonds, options, and futures, and demonstrate knowledge of their individual level of risk.
- Describe the different kinds of retirement plans.

Reading level: **7.8**

Grade Levels: 9th - 12th

Sciences

Sciences

Biology

This course teaches students the fundamental concepts of biology. Topics include: the characteristics of life, basic chemistry, animal life, plant life, reproduction and development, genetics, evolution, diversity of living things, and ecology. Through investigation and activities, students gain firsthand experience with such learning skills and processes as observing, classifying, identifying, measuring, inferring, hypothesizing, interpreting, and predicting. Biology includes weekly thought-provoking questions answered in essay form. Students also complete semester term papers on a chosen topic. Biology Lab Kit: to fulfill lab requirements, students use a lab kit and manual designed specifically for use with this biology course. Lab kits may be obtained by ordering the Learning Springs Lab kit directly from the manufacturer, At Home Science, at (866) 206-0773. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the characteristics of living things.
- Explain the process of photosynthesis.
- Explain the processes of mitosis and meiosis.
- Demonstrate knowledge of the basic principles of genetics.
- Describe the structure and function of DNA and RNA.
- List the domains and kingdoms of living organisms.
- Discuss Darwin's theory of natural selection.
- Name the major plant groups and outline the characteristics of each.
- List the characteristics of the major classes of invertebrates.
- Name and describe eight classes of vertebrates.
- Identify the components and functions of major human organ systems.
- Explain the factors that influence population growth

Reading level: **12.88**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

Earth Science

Students recognize the critical importance of scientific developments in today's world through gaining basic knowledge of earth science. The course includes a wealth of informative and dynamic websites. Topics include: humanity's impact on earth, environmental challenges, plants, geological history, fossils, continental drift, volcanoes, ecosystems, atmosphere, erosion, glaciers, weather, climate, and the solar system. To contribute to students' learning and personal development, the course includes discussions of historical achievements in the field of earth science, career paths and options. Students also conduct weekly investigations in areas of personal interest that lead to independent research papers. Earth Science can be combined with Oceanography to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- List the bodies in our solar system, along with some of their characteristics.
- Describe the different stages of the life cycle of a star.
- Compare and contrast comets and meteors.
- Explain that plate tectonics have changed the patterns of land, sea, and mountains on Earth's surface.
- Students will be able to explain that the sun drives convection within the Earth's atmosphere and oceans, producing winds and ocean currents.
- Demonstrate a comprehensive knowledge of the different causes of erosion.
- Describe how glaciers are formed, why they move, and how they affect the land.

Reading level: **8.88**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Sciences

Earth Science (Auto Grade)

An auto-graded (self-scored) version of the Earth Science course, with 20 to 25 multiple choice questions per lesson, essay questions, and a vibrant multimedia presentation. AG Earth Science can be combined with AG Oceanography to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

List the bodies in our solar system, along with some of their characteristics.
Describe the different stages of the life cycle of a star.
Compare and contrast comets and meteors.
Explain that plate tectonics have changed the patterns of land, sea, and mountains on Earth's surface.
Students will be able to explain that the sun drives convection within the Earth's atmosphere and oceans, producing winds and ocean currents.
Demonstrate a comprehensive knowledge of the different causes of erosion.
Describe how glaciers are formed, why they move, and how they affect the land.

Reading level: **8.88**

Grade: 9th - 12th
Semesters: 1
Credits: 0.5

General Science

General Science offers students a fun, non-threatening introduction to the world of science. Students visit some of the best sites on the web and have the opportunity to conduct independent research. Some of the lessons contain hands-on activities and experiments. The course covers several different branches of science, including topics such as: hurricanes, weather stations, lasers, magnets, hummingbirds, polar bears, and botanical gardens. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

List the steps that investigators take when using the scientific method.
Explain the characteristics of living things and how they relate to their environments.
Demonstrate a comprehensive knowledge about the composition of the human body: cells, tissues, organs, bones, etc.
Describe the functions of various systems: digestive, circulatory, nervous, etc.
Describe the characteristics of bacteria and viruses.
List the properties of the different states of matter.
Define potential energy and kinetic energy and calculate energy.
Demonstrate a comprehensive knowledge about the various types of energy—nuclear, solar, wind, heat, biomass, etc.—and their uses.
Explain how a current of electricity is created.
Specify the uses of electricity and magnetism.
Define the effects of gravity on weight.
Explain the conditions that affect weather.
Explain how sound is produced, transmitted, and sensed.
Research and describe environmental issues and demonstrate knowledge about humankind's contribution to them.
Demonstrate knowledge about the structure of the Earth's crust, its changes, and the causes of change.
Describe plate tectonics and give examples of the effects of them.
List the bodies in our solar system, along with some of their characteristics.
Describe the different stages of the life cycle of a star.
Compare and contrast comets and meteors.

Reading level: **8.68**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

Sciences

Honors Biology

Honors Biology is a research and writing-intensive version of our regular Biology course. (See the Biology description for detailed information.) College Prep Biology Lab Kit : to fulfill lab requirements, students use a lab kit and manual designed specifically for use with both biology courses. Lab kits may be obtained by ordering the Learning Springs Lab kit directly from the manufacturer, At Home Science, at (866) 206-0773.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

Describe the characteristics of living things.
Explain the process of photosynthesis.
Explain the processes of mitosis and meiosis.
Demonstrate knowledge of the basic principles of genetics.
Describe the structure and function of DNA and RNA.
List the domains and kingdoms of living organisms.
Discuss Darwin's theory of natural selection.
Name the major plant groups and outline the characteristics of each.
List the characteristics of the major classes of invertebrates.
Name and describe eight classes of vertebrates.
Identify the components and functions of major human organ systems.
Explain the factors that influence population growth

Reading level: **8.88**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

Honors Earth Science

This is a rigorous version of our Earth Science course. (See the Earth Science description for detailed information.) Honors Earth Science can be combined with Honors Oceanography to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

Demonstrate knowledge about the structure of the Earth's crust, its changes, and the causes of change.
Explain that plate tectonics have changed the patterns of land, sea, and mountains on Earth's surface.
Define the Earth's chemical composition and the atmosphere's composition.
Explain that the sun drives convection within the Earth's atmosphere and oceans, producing wind.
Define the Earth's chemical composition and the atmosphere's composition.
Explain that the sun drives convection within the Earth's atmosphere and oceans, producing winds and ocean currents.
Demonstrate a comprehensive knowledge of the different causes of erosion.
Describe how glaciers are formed, why they move, and how they affect the land.
Explain the conditions that affect weather and climate.
Demonstrate a comprehensive knowledge of the importance of biodiversity, including species diversity, habitat diversity, and ecosystem diversity.
List the bodies in our solar system, along with some of their characteristics.
Compare and contrast comets and meteors.
Describe the different stages of the life cycle of a star.

Reading level: **8.88**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Sciences

Honors Oceanography

Honors Oceanography is a research and writing-intensive version of our Oceanography course. (See the Oceanography description for detailed information.) Honors Oceanography can be combined with Honors Earth Science to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Describe the unique physical characteristics of the marine environment. Demonstrate knowledge of marine communities, food chains, and food webs.

Describe how beaches change over time, how animals adapt to these changes, and how coastal development affects the ecosystem.

Define and explain the significance of estuaries and deltas and list some of the marine life that thrives in these ecosystems.

Describe the importance of coral reefs including the present and potential resources.

Explain the causes of waves, tides, currents, and tsunamis.

Demonstrate a comprehensive knowledge of how water moves through the water cycle.

Explain what sea ice is and how it behaves.

Demonstrate a comprehensive knowledge of the marine food chain.

Describe the theories of continental drift, seafloor spreading, and plate tectonics.

Explain what factors cause the salinity to vary in different parts of the oceans.

Demonstrate beginning knowledge of field methods used by marine biologists.

Report in-depth on a topic of their own choosing.

Describe the interrelationship between man and the ocean environment and the need for protection of the natural systems on Earth.

Reading level: **9.8**

Grade Levels: 9th - 12th

Semesters: 1

Credits: 0.5

Sciences

Oceanography

Students study the ecology and diversity of the world's oceans, with particular attention paid to the complex interactions among all marine life, from the smallest microorganism to the largest sea mammal. Topics include: microorganisms, fish, life in the sea, deep sea exploration, marine mammals, coastal ecosystems, and the sea floor. Students write periodic research papers on individual areas of interest. Students also learn to use graphs, tables, maps, data and the Internet to enrich their study of this challenging and exciting course. Oceanography can be combined with Earth Science to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Describe the unique physical characteristics of the marine environment. Demonstrate knowledge of marine communities, food chains, and food webs.

Describe how beaches change over time, how animals adapt to these changes, and how coastal development affects the ecosystem.

Define and explain the significance of estuaries and deltas and list some of the marine life that thrives in these ecosystems.

Describe the importance of coral reefs including the present and potential resources.

Explain the causes of waves, tides, currents, and tsunamis.

Demonstrate a comprehensive knowledge of how water moves through the water cycle.

Explain what sea ice is and how it behaves.

Demonstrate a comprehensive knowledge of the marine food chain.

Describe the theories of continental drift, seafloor spreading, and plate tectonics.

Explain what factors cause the salinity to vary in different parts of the oceans.

Demonstrate beginning knowledge of field methods used by marine biologists.

Report in-depth on a topic of their own choosing.

Describe the interrelationship between man and the ocean environment and the need for protection of the natural systems on Earth.

Reading level: **9.8**

Grade Levels: 9th - 12th

Semesters: 1

Credits: 0.5

Sciences

Oceanography (Auto-Grade)

An auto-graded (self-scored) version of the Oceanography course, with added photographs, multimedia, and 20 to 25 self-scoring questions per lesson, in addition to a weekly essay question. AG Oceanography can be combined with AG Earth Science to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Describe the unique physical characteristics of the marine environment. Demonstrate knowledge of marine communities, food chains, and food webs.

Describe the anatomy of fish.

Demonstrate knowledge about sharks, including where they are found, what they eat, and why they are endangered.

Demonstrate knowledge about other marine life, including cephalopods, mollusks, arthropods, and marine mammals.

Describe how beaches change over time, how animals adapt to these changes, and

how coastal development affects the ecosystem.

Define and explain the significance of estuaries and deltas and list some of the marine life that thrives in these ecosystems.

Describe the importance of coral reefs including the present and potential resources.

Demonstrate a comprehensive knowledge of the marine food chain.

Demonstrate beginning knowledge of field methods used by marine biologists.

Describe the interrelationship between man and the ocean environment and the need for protection of the natural systems on Earth.

Reading level: **5.97**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Social Studies

Art History

In this eighteen-week course, students acquire knowledge, appreciation, and understanding of the history of art. Each student visits websites from famous museums around the world, including the Louvre, the National Museum of Art, and the Vatican. This course looks at art as a reflection of its people, their religious beliefs, political or social climate, clothing, customs, and environmental factors. Topics include visual vocabulary, principles of art, drawing, painting, sculpture, studio art, art history, art criticism, and aesthetics. Art History is an inspiring addition to any student's curriculum. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Consider and form an opinion to the question "What is art and why have people created it throughout history?"

Analyze and interpret the meaning of works of art, from the prehistoric period to the contemporary period.

Correctly use fundamental art and art historical terminology.

Articulate visual and art historical concepts in written form.

Study and comment on a wide range of pieces of arts to develop perceptual skills.

Understand and explain the history and development of visual art, its major periods, movements, concepts and artists, and its historical, social, cultural, religious, and political contexts.

Make a drawing or three-dimensional version of an African carving or mask.

Reading level: **11.15**

Grade Levels: 9th - 12th
Semesters: 1
Credits: 0.5

Social Studies

Honors World History

Honors World History offers a reading and writing-intensive version of the standard online World History course. The course enables students to examine and interpret influential historical events. Weekly compositions in response to the readings employ creative writing, analysis, description, compare/contrast, poetry, short stories, imaginary writing, personal experiences, editorials, and diary entries. Honors World History includes a wealth of dynamic, informative websites. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Demonstrate a greater awareness of the major events that shaped our world.

Trace the various civilizations from the earliest to those of today.

Relate the moral and ethical principles in ancient Greek and Roman philosophy, in Judaism, and in Christianity to the development of Western political thought.

Demonstrate knowledge about how newer civilizations built on contributions of the past.

Describe the impact of the industrial revolution on how we live and work today.

Recognize the names and accomplishments of many of the dominant leaders.

Summarize how the British Empire grew to control one-fourth of the world. Analyze and describe how world events and leaders affected their own times and the future.

Describe the causes and effects of the World Wars.

Describe the international developments in the post-World War 2 world.

Interpret current events in light of events that occurred centuries ago.

Better appreciate how the past, the present, and the future are interrelated.

Reading level: **12.58**

Grade Level: 10th
Semesters: 2
Credits: 1.0

Media Literacy

This 18-lesson course teaches students how to critically evaluate the media that surrounds them every day, as well as to create their own examples of media. The example-rich course covers the history of media, critical thinking skills, the various channels media takes in our world, and the influence media has in our lives and thinking. Students approach the material both through projects and more traditional assignments. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Interpret and explain messages in television, movies, videogames, radio, music, billboards, art, newspapers, and magazines.

Calculate how much media they are exposed to daily and analyze and describe how they are affected by it.

List and explain the techniques advertisers use to persuade.

Analyze and form opinions on the topics of sex, drugs, and violence in the media.

Explain what product placement is and define the different types.

Analyze and form opinions on the topic of art censorship.

Analyze the messages in different forms of media to determine if they are healthy or unhealthy.

Explain what a subliminal message is.

Create a unique media project.

Reading level: **9.72**

Grade Level: 9th - 12th
Semesters: 1
Credits: 0.5

Social Studies

U.S. Government

U.S. Government provides the student with a basic understanding of American government. Topics include: the roots of democracy, the judiciary system and the law, interest groups in government, landmark Supreme Court cases, civil rights, and individual liberties. Diverse Internet resources make this course informative and engaging. U.S. Government can be combined with Economics 101 to make a full-year (2 semester) course. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Define government and explain its purpose.
- Describe, and give examples of, the different forms of government.
- Outline how the English government served as a model for the American government.
- Name and discuss the different types of government in the early American colonies.
- Describe the events that caused unrest and led to the American Revolution.
- List the three main parts of the Constitution and outline what each includes.
- Explain how the Constitution can be amended, and list the Amendments.
- Discuss several Supreme Court cases involving interpretations of the Constitution.
- Outline the powers and responsibilities of the federal government's legislative branch.
- Explain the law-making process.
- Describe the powers and responsibilities of the President and Vice President.
- List some of the executive branch's departments, agencies, and programs.
- Outline the organization of the federal court system.
- Describe the powers and responsibilities of the federal government's judicial branch.
- Summarize several landmark cases handled by the U.S. Supreme Court.
- Briefly describe how state, county, city, and township governments operate.
- Differentiate between a natural-born citizen and a naturalized citizen.
- Outline the process for becoming a United States citizen.
- Explain the rights and responsibilities of citizens in a democratic nation.
- Describe how citizens let elected officials know their opinions on various matters.
- Outline the origins of the Democratic Party and the Republican Party.
- Summarize how Americans elect their President, Vice President, and others.
- Define special interest groups and political action committees, and give examples.
- Explain where governments get their money and how they spend it.
- Briefly describe the role of the media in public opinion.

Reading level: 11.2

Grade Level: 12th
Semesters: 1
Credits: 0.5

Social Studies

World Cultures

Rich with primary source excerpts and cultural vignettes, this course provides a tour of the history, cultures, and environments of the seven continents. The study of geography is further enhanced with access to maps, diagrams, and related cultural information. This course presents geography in an enjoyable, exploratory format. It culminates in planning a trip around the world. College Prep.

COURSE OBJECTIVES:

Upon completion of his course, students will be able to demonstrate knowledge and:

- Define terms relevant to the subject, like enculturation, cultural diffusion, generation gap, etc.
- List the major geographical regions of different countries.
- Demonstrate knowledge about what countries border each other.
- Describe the different types of nomadic cultures.
- Explain the different types of family structures and how certain cultures adopted them.
- Compare and contrast their own family structure with other cultures'.
- Give examples of how lifestyles and economic activity are influenced by climatic conditions.
- Place key events and people of the historical era they are studying in a chronological sequence and within a spatial context.
- Explain how the present is connected to the past, identifying both similarities and differences between the two, and how some things change over time and some things stay the same.
- Use map and globe skills to determine the absolute locations of places and interpret information available through a map's or globe's legend, scale, and symbolic representations.
- Judge the significance of the relative location of a place (e.g., proximity to a harbor, on trade routes) and analyze how relative advantages or disadvantages can change over time.
- Identify the human and physical characteristics of the places they are studying and explain how those features form the unique character of those places.
- Identify and interpret the multiple causes and effects of historical events

Reading level: 9.9

Grade Level: 9th
Semesters: 2
Credits: 1.0

Social Studies

World Cultures (Auto-Grade)

(AG) World Cultures is an auto-graded (self-scored) version of the World Cultures course with added photographs, multimedia, and 20 to 25 self-scoring questions per lesson, in addition to a weekly essay question. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Define terms relevant to the subject, like enculturation, cultural diffusion, generation gap, etc.
- List the major geographical regions of different countries.
- Demonstrate knowledge about what countries border each other.
- Describe the different types of nomadic cultures.
- Explain the different types of family structures and how certain cultures adopted them.
- Compare and contrast their own family structure with other cultures'.
- Give examples of how lifestyles and economic activity are influenced by climatic conditions.
- Place key events and people of the historical era they are studying in a chronological sequence and within a spatial context.
- Explain how the present is connected to the past, identifying both similarities and differences between the two, and how some things change over time and some things stay the same.
- Use map and globe skills to determine the absolute locations of places and interpret information available through a map's or globe's legend, scale, and symbolic representations.
- Judge the significance of the relative location of a place (e.g., proximity to a harbor, on trade routes) and analyze how relative advantages or disadvantages can change over time.
- Identify the human and physical characteristics of the places they are studying and explain how those features form the unique character of those places.
- Identify and interpret the multiple causes and effects of historical events.

Reading level: **9.9**

Grade Level: 9th
Semesters: 2
Credits: 1.0

Social Studies

World History

World History encourages students to use multimedia to establish a chronology and understanding of influential historical events. Topics include: the beginning of civilization, civilizations of the Mediterranean world, Asian history, the early modern world, the emergence of modern nations, the development of industrial society, and world wars in the twentieth century. Weekly compositions in response to the readings employ creative writing, analysis, and independent research. College Prep.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate a greater awareness of the major events that shaped our world.
- Trace the various civilizations from the earliest to those of today.
- Relate the moral and ethical principles in ancient Greek and Roman philosophy, in Judaism, and in Christianity to the development of Western political thought.
- Demonstrate knowledge about how newer civilizations built on contributions of the past.
- Describe the impact of the industrial revolution on how we live and work today.
- Recognize the names and accomplishments of many of the dominant leaders.
- Summarize how the British Empire grew to control one-fourth of the world.
- Analyze and describe how world events and leaders affected their own times and the future.
- Describe the causes and effects of the World Wars.
- Describe the international developments in the post-World War 2 world.
- Interpret current events in light of events that occurred centuries ago.
- Better appreciate how the past, the present, and the future are interrelated.

Reading level: **12.58**

Grade Level: 10th
Semesters: 2
Credits: 1.0

World Mythology

Through the study of myths, folk tales, and legends of the Romans, Greeks, Chinese, Russians, and cultures of the Middle East, students learn to develop their own creative ideas. Mythology is an excellent course for students who have not enjoyed English and for students who like to use their imaginations. Mythology has been a very popular course with our male students.

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate knowledge about the historically significant myths from all parts of the world.
- Explain the difference between a myth and a legend.
- Explain the historical functions of myths.
- Read and respond to historically and culturally significant works of literature that reflect and enhance their studies of history and social science.
- Conduct in-depth analyses of recurrent patterns and themes.
- Write a creative narrative essay.
- Write their own unique myth.

Reading level: **10.39**

Grade Levels: 9th - 12th
Semesters: 2
Credits: 1.0

Test Preparation

Test Preparation

SAT Preparation

This eighteen-week intensive course prepares students for the Scholastic Aptitude Test by reviewing the verbal and mathematical topics of the exam, exploring test-taking strategies such as time management, guessing strategy, and test preparation, and offering many practice questions and drills. In our experience, it has been proven that students who have taken the SAT multiple times perform better than students who don't. For that reason we focus on presenting many sample questions of varying difficulty in the computer format of the test. Lessons review verbal or mathematical content and question type, examine answer strategies, and conclude with practice questions and a vocabulary review. Two full-length practice exams are administered at the midterm and during the final weeks of the course.

COURSE OBJECTIVES:

The objective of this course is to prepare students to take the SAT. They will improve verbal and math skills.

Reading level: **11.2**

Grade Levels: 9th - 12th

Semesters: 1

Credits: 0



High School



Arts and Technology

Introduction to the Internet

Reading level: 7.09

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Be able to navigate the internet with ease. Understand and explain what precautions need to be safe. Explain what qualities and actions make someone a successful online student. Use related vocabulary like browser, URL and World Wide Web. Search and locate information on the World Wide Web. Explain what plagiarism is and understand how to use resources to find information and then communicate it in their own words. Distinguish quality websites from poor ones. Use multimedia tools to publish a project online.

Photoshop Design

Reading level: 9.2

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Analyze and manipulate the dimensions and resolution of an image.
- Use basic selection tools to silhouette and edit parts of an image.
- Paint images and parts of an image using the Brush tool, blend modes, and gradients.
- Correct color problems and use special color effects.
- Use the full range of retouching tools to correct or alter portions of an image.
- Create composite images that demonstrate advanced selection and layering techniques.
- Set and modify typography using the full range of type tools, the Character panel, and the Paragraph panel.
- Create a clear, readable typography design on a photographic background.
- Apply filters that enhance the appearance of photos and give images an illustrated or artistic appearance.
- Use Photoshop to create a self-portrait.

Enrichment and Special Needs

Integrated Science (Special Needs)

Reading level: 8.9

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate knowledge about animals, including penguins, polar bears, whales, and hummingbirds.
- Demonstrate an understanding of energy, including potential and kinetic energy.
- List plants that bloom during different seasons.
- Describe different species of trees.
- Explain what causes different types of weather.
- Explain how the nervous system operates.
- Demonstrate knowledge about glaciers, including what they are and how they form.
- Explain how rainbows are formed.

Health and Life Skills

Health (Auto-Grade)

Reading level: 8.83

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain and practice various ways to take charge of their health and lifestyle.
- Create personal physical fitness goals
- List the physical and psychological benefits of managing their health.
- Understand the importance of a weight maintenance program and the dangers of anorexia and bulimia.
- Create and follow through with personal physical fitness goals.
- Explain the risks associated with tobacco and alcohol use.
- Describe the risks associated with drug abuse and what to do if they think they or someone they know has a drug problem.
- Describe some guidelines for using over the counter drugs safely.
- Demonstrate knowledge about the stages of grief.
- Explain the importance of dietary fiber, water, and specific vitamins and minerals.
- Explain how to read ingredient and nutritional information on food labels.
- Understand what AIDS is, how HIV is transmitted, and how to prevent HIV infection.
- Explain how the consumption of everyday products affects the availability of renewable and nonrenewable natural resources for future generations and explain environmental threats in the home.



Health and Life Skills

High School Health

Reading level: 8.83

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Explain and practice various ways to take charge of their health and lifestyle.

Create personal physical fitness goals

List the physical and psychological benefits of managing their health.

Understand the importance of a weight maintenance program and the dangers of anorexia and bulimia.

Create and follow through with personal physical fitness goals.

Explain the risks associated with tobacco and alcohol use.

Describe the risks associated with drug abuse and what to do if they think they or someone they know has a drug problem.

Describe some guidelines for using over the counter drugs safely.

Demonstrate knowledge about the stages of grief.

Explain the importance of dietary fiber, water, and specific vitamins and minerals.

Explain how to read ingredient and nutritional information on food labels.

Understand what AIDS is, how HIV is transmitted, and how to prevent HIV infection.

Explain how the consumption of everyday products affects the availability of renewable and nonrenewable natural resources for future generations and explain environmental threats in the home.

Life Management

Reading level: 11.97

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Write an autobiography.

Set concrete goals for the future.

Create a resume.

Plan what career they want to go into after graduation.

Understand steps they can take to manage their health.

Choose a bank and use a checking account.

Decide if they want to go to community college, tech school, or a four-year university.

Explain the costs of owning a vehicle.

Explain the importance of diversity and respect for all people.

Create a schedule to manage time spent on physical, intellectual, and social activities.

Language Arts

Art History Renaissance to Modern

Reading level: 11.15

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Consider and form an opinion to the question What is art and why have people created it throughout history?

Analyze and interpret the meaning of works of art, from the renaissance period to the contemporary period.

Correctly use fundamental art and art historical terminology.

Articulate visual and art historical concepts in written form.

Study and comment on a wide range of pieces of arts to develop perceptual skills.

Understand and explain the history and development of visual art, its major periods, movements, concepts and artists, and its historical, social, cultural, religious, and political contexts.

Create a report about an artist's life and work.

British Literature

Reading level: 11.49

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Respond to historically significant works of literature that reflect and enhance their studies of history and social science.

Appreciate writers such as Keats, Shelley, and Carroll.

Demonstrate in-depth knowledge about a British author by researching and writing a 1200-word author-study essay.

Identify such figures as Samuel Pepys, Oscar Wilde, and William Shakespeare.

Analyze novels, drama, poems and other types of writing.

Demonstrate increased reading and vocabulary comprehension through a variety of oral and written evaluation methods.

Progress to additional courses in literature, writing, and related subjects.



Language Arts

Creative Writing

Reading level: 6.74

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Improve descriptive writing skills by practicing writing and using specific adjectives and sensory details.
- Read newspaper articles for information and write summaries.
- Research social issues and respond to them in writing.
- Improve emotive writing skills.
- Identify and correct sentence fragments and run-on sentences.
- Write an informative/how to article.
- Write descriptive character descriptions.
- Create a unique short story.

Drama in Literature

Reading level: 11.4

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Read and discuss selections from classical Greek to contemporary drama.
- Create an original play.
- Read, reflect, and write about consequences of a character's decisions and actions.
- Understand and use relevant vocabulary.
- Recognize playwrights like Oscar Wilde and William Shakespeare.
- View a film and write a review.
- Increase appreciation for drama and playwrights.

English 101 Making Friends

Reading level: 9.33

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Name the consonants and vowels.
- Pronounce all the letters of the alphabet.
- Demonstrate an understanding of how to correctly use personal pronouns.
- Describe how word order affects meaning.
- Demonstrate increased vocabulary.
- Use conjunctions correctly.
- Use prepositions correctly.
- Demonstrate an understanding of how to use the present progressive tense.
- Correctly use regular and irregular verbs.
- Correctly use object pronouns.
- Demonstrate an understanding of how to correctly use punctuation.

English 102 Road Trip USA

Reading level: 4.02

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Improve English grammar, reading skills, and conversation skills.
- Increase vocabulary.
- Increase knowledge of common English phrases and expressions.
- Correctly use the positive, comparative, and superlative forms.
- Correctly use prefixes and suffixes.
- Define the different parts of speech.
- Be able to use descriptive adjectives, possessive adjectives, irregular verbs, and prepositions of place and time.
- Understand and use subject and object pronouns.
- Understand and use the present, present progressive, and past tense.
- Understand and use infinitives, gerunds, and imperatives.

English 103 Internet Explorations B

Reading level: 8.85

COURSE OBJECTIVES:

The objective of this course is for students to build on their English grammar and reading skills and learn about different English-speaking cultures.



Language Arts

English 103 One World

Reading level: 8.48

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Improve english grammar and reading skills.
- Increase vocabulary.
- Demonstrate knowledge about different English-speaking cultures.
- Correctly use prefixes and suffixes.
- Define the different parts of speech.
- Correctly use articles, indefinite pronouns, indefinite adjectives, and demonstrative pronouns.
- Understand and use perfect tenses and the progressive tenses.
- Understand and use stative verbs, phasal verbs, adjective clauses, the gerund and infinitives.

English 104 Writing for Life

Reading level: 8.1

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate increased written English skills for pleasure, academics, or work.
- Practice writing biographies autobiographies, short stories, poetry, essays and letters.
- Demonstrate increased vocabulary.
- Use correct punctuation and other proper sentence conventions.
- Demonstrate knowledge of and correct use of different parts of speech.
- Demonstrate comprehension of common English phrases and slang.
- Demonstrate correct usage of progressive forms of tenses.

English 105 Learning for Life

Reading level: 8.35

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate increased vocabulary.
- Be able to use the main terms associated with the Scientific Method, Chemistry, and Physics.
- Understand and use terms associated with mathematics.
- Demonstrate an ability to use terms associated with different literary genres.
- Demonstrate an ability use historical terms.
- Understand and use terms associated with art.
- Define terms associated with College.
- Learn and use terms associated with the working world.

English 106 TOEFL Success

Reading level: 7.12

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Increase their vocabulary.
- Improve their grammar skills.
- Improve their conversational skills.
- Increase their listening comprehension.
- Demonstrate understanding of tense, agreement, idiom, and diction.
- Explain the phases of culture shock.
- Will be prepared to take the TOEFL.



Language Arts

English Fundamentals

Reading level: 7.31

COURSE OBJECTIVES:

Upon completion of this course, students will be able to:

- Properly use punctuation marks in sentences and paragraphs.
- Correctly apply the common rules of capitalization when writing.
- Rewrite documents using proper capitalization and punctuation.
- Define noun, pronoun, adjective, and verb, and give examples.
- Describe the different types of nouns, and form the plurals of nouns.
- Explain the proper use of personal pronouns.
- Identify adjectives and predicate adjectives, and use helping verbs.
- Identify the principal parts of verbs and verb tenses for regular and irregular verbs.
- Make adverbs from adjectives.
- Identify and define adverbs, prepositions, conjunctions, and interjections.
- Identify the word in sentences that is modified by an adverb.
- Show comparisons using both adjectives and adverbs.
- Identify prepositional phrases and the objects of prepositions.
- Explain the use of interjections in writing.
- List and explain the main components of complete sentences.
- Identify and correct sentence fragments and run-on sentences.
- Describe the four different types of sentences, and give examples.
- Form singular and plural verbs.
- Provide agreement between subjects and verbs.
- Define the term homonym, and give examples.

English Fundamentals (Auto-Grade)

Reading level: 8.7

COURSE OBJECTIVES:

Upon completion of this course, students will be able to:

- Properly use punctuation marks in sentences and paragraphs.
- Correctly apply the common rules of capitalization when writing.
- Rewrite documents using proper capitalization and punctuation.
- Define noun, pronoun, adjective, and verb, and give examples.
- Describe the different types of nouns, and form the plurals of nouns.
- Explain the proper use of personal pronouns.
- Identify adjectives and predicate adjectives, and use helping verbs.
- Identify the principal parts of verbs and verb tenses for regular and irregular verbs.
- Make adverbs from adjectives.
- Identify and define adverbs, prepositions, conjunctions, and interjections.
- Identify the word in sentences that is modified by an adverb.
- Show comparisons using both adjectives and adverbs.
- Identify prepositional phrases and the objects of prepositions.
- Explain the use of interjections in writing.
- List and explain the main components of complete sentences.
- Identify and correct sentence fragments and run-on sentences.
- Describe the four different types of sentences, and give examples.
- Form singular and plural verbs.
- Provide agreement between subjects and verbs.
- Define the term homonym, and give examples.

English Internet Exploration B

Reading level: 8.4

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Increase reading and writing skills.
- Demonstrate knowledge about the Civil War and slavery in America.
- Explain how solar energy works.
- Identify famous people like Benjamin Franklin, Mark Twain, Martin Luther King, Jr., and Cesar Chavez.
- Demonstrate knowledge about some Earth Science topics including biomes, volcanoes, hurricanes, and earthquakes.
- Demonstrate knowledge about some Space Science topics including our solar system and comets and meteors.



Language Arts

English Internet Explorations A

Reading level: 8.1

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Increase reading and writing skills.
- Demonstrate knowledge about different cultures like the Mayans.
- Demonstrate knowledge about different places including Pompeii, China, and the Grand Canyon.
- Demonstrate knowledge about different animals, including deep sea creatures and wolves.
- Explain how light and sound work.
- Demonstrate knowledge about oceans and outer space.

English Internet Explorations A

Reading level: 8.1

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Increase reading and writing skills.
- Demonstrate knowledge about different cultures like the Mayans.
- Demonstrate knowledge about different places including Pompeii, China, and the Grand Canyon.
- Demonstrate knowledge about different animals, including deep sea creatures and wolves.
- Explain how light and sound work.
- Demonstrate knowledge about oceans and outer space.

History of America

Reading level: 11.32

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Recognize and describe the major historical events that influenced the development of America.
- List the major wars Americans participated in, their causes, and who was involved.
- Identify the major figures—explorers, colonists, military officers, politicians, inventors, Diplomats, Presidents, et al—who participated in America's growth.
- Explain the political forces that helped to shape America.
- Describe the impact of America on world events at various times.
- Trace how the U.S. expanded from the original 13 colonies to its present size.
- Demonstrate a comprehensive knowledge of the Declaration of Independence and the Constitution.
- Demonstrate a comprehensive knowledge of how the Civil Rights Movement changed the country.

Honors American Literature

Reading level: 11.4

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain the characteristics of the different genres, including the short story, novel, poetry, nonfiction, and essay.
- Identify such figures as Benjamin Franklin, Nathaniel Hawthorne, and Maya Angelou.
- Demonstrate knowledge about the themes of American classics like *The Great Gatsby*, *The Scarlet Letter* and *The Grapes of Wrath*.
- Appreciate writers such as Dickinson, Fitzgerald, Salinger, Twain, and Thoreau.
- Analyze novels, short stories, poems, and other types of writing.
- Better understand the objectives and accomplishments of the various writers.
- Improve their own writing skills in any of the genres.
- Demonstrate increased reading and vocabulary comprehension through a variety of oral and written evaluation methods.
- Progress to additional courses in literature, writing, and related subjects.

Honors Drama in Literature

Reading level: 11.4

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Read and discuss selections from classical Greek to contemporary drama.
- Create an original play.
- Read, reflect, and write about consequences of a character's decisions and actions.
- Understand and use relevant vocabulary.
- Recognize playwrights like Oscar Wilde and William Shakespeare.
- View a film and write a review.
- Increase appreciation for drama and playwrights.



Language Arts

Honors English Fundamentals

Reading level: 8.7

COURSE OBJECTIVES:

Upon completion of this course, students will be able to:

- Properly use punctuation marks in sentences and paragraphs.
- Correctly apply the common rules of capitalization when writing.
- Rewrite documents using proper capitalization and punctuation.
- Define noun, pronoun, adjective, and verb, and give examples.
- Describe the different types of nouns, and form the plurals of nouns.
- Explain the proper use of personal pronouns.
- Identify adjectives and predicate adjectives, and use helping verbs.
- Identify the principal parts of verbs and verb tenses for regular and irregular verbs.
- Make adverbs from adjectives.
- Identify and define adverbs, prepositions, conjunctions, and interjections.
- Identify the word in sentences that is modified by an adverb.
- Show comparisons using both adjectives and adverbs.
- Identify prepositional phrases and the objects of prepositions.
- Explain the use of interjections in writing.
- List and explain the main components of complete sentences.
- Identify and correct sentence fragments and run-on sentences.
- Describe the four different types of sentences, and give examples.
- Form singular and plural verbs.
- Provide agreement between subjects and verbs.
- Define the term homonym, and give examples.

Honors Literature of the World

Reading level: 10.4

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain the characteristics of the different genres, including the short story, novel, poetry, drama, nonfiction, and essay.
- Use their new vocabulary to discuss, write about, and understand literature.
- Compare and contrast literature from around the world.
- Demonstrate an understanding of character motivation.
- Improve their own writing skills in any of the genres.
- Demonstrate an appreciation for such writers as Shakespeare, Homer, and Dickens.
- Read texts written in Old English.
- Analyze and describe novels, short stories, poems, dramas, and other types of writing.
- Better understand the objectives and accomplishments of the various writers.
- Research and write a 1500 word research paper.
- Read more effectively for both knowledge and enjoyment.
- Progress to additional courses in literature, writing, and related subjects.

Honors Shakespearean Literature

Reading level: 11.7

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain what foreshadowing is and give examples of foreshadowing.
- Demonstrate comprehensive knowledge of Hamlet.
- Demonstrate comprehensive knowledge of Romeo and Juliet.
- Demonstrate comprehensive knowledge of The Winter's Tale.
- Demonstrate comprehensive knowledge of A Midsummer Night's Dream.
- Write a 1500-word essay on The Winter's Tale.

Journal Writing

Reading level: 7.74

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Use free-writing to stimulate creativity.
- Explore a variety of topics to stretch as writers.
- Read and respond to quotes and literary passages.
- Write lengthy responses to given prompts
- Read poetry and write about their impressions of it.
- Write with a command of Standard English conventions.
- Progress to additional courses in literature, writing, and related subjects.



Language Arts

Literature of America

Reading level: 9.80

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain the characteristics of the different genres, including the short story, novel, poetry, drama, nonfiction, and essay.
- Improve their own writing skills in any of the genres.
- Appreciate such writers as Dickinson, Fitzgerald, London, Twain, and Thoreau.
- Analyze novels, short stories, poems, dramas, and other types of writing.
- Better understand the objectives and accomplishments of the various writers.
- Identify such figures as Benjamin Franklin, Nathaniel Hawthorne, and Maya Angelou.
- Demonstrate increased reading and vocabulary comprehension through a variety of oral and written evaluation methods.
- Progress to additional courses in literature, writing, and related subjects.

Literature of the World

Reading level: 11.4

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Explain the characteristics of the different genres, including the short story, novel, poetry, drama, nonfiction, and essay. Use their new vocabulary to discuss, write about, and understand literature. Compare and contrast literature from around the world.
- Demonstrate an understanding of character motivation. Improve their own writing skills in any of the genres. Demonstrate an appreciation for such writers as Shakespeare, Homer, and Dickens. Read texts written in Old English. Analyze and describe novels, short stories, poems, dramas, and other types of writing. Better understand the objectives and accomplishments of the various writers. Research and write a 1500 word research paper.
- Read more effectively—for both knowledge and enjoyment.
- Progress to additional courses in literature, writing, and related subjects.

Shakespearean Literature

Reading level: 11.7

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the life of William Shakespeare.
- Define Renaissance and the factors that contributed to it.
- Explain how Shakespeare was affected by the Puritans.
- Demonstrate knowledge about the different repertory companies in Shakespeare's time.
- Demonstrate knowledge about the political climate of the time.
- Explain what foreshadowing is and give examples of foreshadowing.
- Demonstrate comprehensive knowledge of Julius Caesar.
- Demonstrate comprehensive knowledge of A Midsummer Night's Dream.

Writing Tutorials

Reading level: 9.5

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Name and use the steps of the writing process. Demonstrate an ability to write a clear and focused introduction, body, and conclusion of an essay.
- Write an effective comparison-contrast essay. Write an effective persuasive essay.
- Create an eyewitness account. Write a critical review. Create a narrative. Write a research report.

Mathematics

Algebra 1 (Auto Grade)

Reading level: 9.16

COURSE OBJECTIVES:

Students will review and continue where they left off in pre-algebra. They will demonstrate mastery of the four basic arithmetical operations, fractions, decimals, percents, exponents, factoring, graphing methods, and functional notation. They will be able to simplify expressions and solve inequalities and equations, including systems. After completing this course, students will be ready to enter Geometry and then Algebra 2.



Mathematics

Algebra 2

Reading level: 10.3

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Define and explain a function, and determine whether or not an expression is a function. Explain the use of, and solve problems involving, ratios and proportions. Describe common logarithms, and solve problems using them. Graph exponential functions. Solve problems involving direct square relationships. Perform synthetic division. Evaluate complex fractions. Solve problems involving rate, time, and distance; solve problems involving mixture, concentrate, and work. Use the remainder theorem when dividing a polynomial by a binomial. Find the determinant of a matrix. Use the Gauss-Jordan elimination method to solve systems of equations. Use Cramer's rule to solve systems of equations. Graph lines and equations involving parabolas, cubes, and absolute value. Solve linear inequalities in one variable, and graph the solution sets. Graph linear inequalities in two variables. Determine the number of combinations or permutations available. Calculate simple probability and mathematical expectations.

Economics 101

Reading level: 8.21

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Define common economic terms and concepts and economic reasoning. Explain the law of supply and demand. List the different economic systems and compare and contrast them. Explain what the national debt represents. Explain how the Federal Reserve System works. Analyze and describe the influence of the federal government on the American economy. Describe problems caused by inflation and deflation. List examples of jobs that pay an hourly wage and examples of jobs that pay a salary. Analyze and describe the elements of the U.S. labor market in a global setting. Explain reasons for supporting and opposing the minimum wage. Gage the strength of another country's dollar against the U.S. dollar. Compare and contrast the different types of businesses. List and describe social service programs that the United States provides. Analyze and describe the relationship between income and education. List and describe different taxes. Analyze and describe the elements of America's market economy in a global setting. Analyze and describe the aggregate economic behavior of the U.S. economy. Analyze and describe the issues of international trade such as specialization. Describe how the U.S. economy effects, and is affected by, economic forces beyond the borders of the United States.

Geometry

Reading level: 4.87

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Define solid, plane, line, point, parallel, transversal, and radian. Identify the dimensions of solids, planes, lines, and points. Describe the various types of lines, triangles, and polygons. Define all terms related to angles, their measurement, their size, and their location. Calculate angle sizes and the areas of polygons. Identify and use the tools necessary for drawing simple geometric figures. Construct precise circles, angles, perpendiculars, angle bisectors, and parallel lines. Classify triangles according to their angles and the lengths of their sides. Define terms related to triangles and other polygons. Solve proportion problems. Calculate the interior angles of polygons with a different number of sides. Use various properties of circles to solve practical problems. Calculate the length of an arc, and the area and circumference of an ellipse. Define, identify, and calculate the surface area and volume of cylinders, pyramids, cones, and spheres. Solve for missing dimensions in solids. Use geometry to solve a wide range of practical problems.

Math Proficiency

Reading level: 9.5

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and: Be prepared for the Math section of the High School Proficiency Test. Solve problems involving percentages. Round numbers. Compute with standard or metric units. Compute with common units of measurements. Read scales on a measurement device. Explain the characteristics of lines and 2-dimensional figures. Find perimeter and area of polygons. Find surface area and volume of rectangular solids. Read and use tables, charts, maps and graphs. Demonstrate and understanding of elementary notions of probability. Compute averages. Utilize strategies for solving simple number sentences. Use formulas. Evaluate algebraic expressions.

Pre-Algebra

Reading level: 8.39

COURSE OBJECTIVES:

In Pre-Algebra, the goal is for students to build on their elementary skills so that they will be prepared for Algebra 1. Students are introduced to algebraic expressions and integers, polynomials, right triangles, and how to solve equations and inequalities. They will master working with decimals, fractions, exponents, square roots, ratios and percents. Students will be able to calculate area and volume and will be able to graph.



Mathematics

Study of the Environment

Reading level: 10.8

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the natural resources that the planet offers, from timber, oil, and food crops to our oceans.
- Demonstrate knowledge about the interaction between biotic and abiotic parts of different ecosystems.
- Explain why it makes sense to use an ecosystem approach to conservation. Describe the importance of coral reefs including the present and potential resources. Explain the implications of deforestation and list some solutions. List some of the concerns associated with coal. Demonstrate comprehensive knowledge about concerns related to water resources, including pollution and over-fishing. Explain the importance of biodiversity.
- Explain the causes of air pollution and list some solutions.
- Demonstrate comprehensive knowledge about how human waste affects the planet and what we can do to reduce the impact. Demonstrate a comprehensive knowledge about the various types of energy—nuclear, solar, wind, heat, biomass, etc. and their uses. Explain how destroying forests and wetlands as well as energy use causes global warming.
- List some of the social and environmental problems that could develop due to an increase in the human population and why sustainable development is crucial.

Survival Math

Reading level: 7.8

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Calculate salary, commission, and taxes.
- Write checks, balance a checkbook, and use a debit card.
- Use a simple formula to calculate yearly interest rates
- Prepare and use a comprehensive personal budget.
- Interpret a nutritional label.
- Understand and explain what is required when going through the process of renting an apartment.
- Understand and explain how mortgages work.
- List the major factors to consider when buying a car, whether new or used.
- List the different types of auto insurance and define insurance terminology.
- Consider the options, costs, and benefits regarding personal insurance.
- List guidelines for using credit responsibly, define credit terminology and describe how credit cards work.
- Describe how credit scores are determined.
- Determine how much initial money is needed for various types of investing.
- Define stocks, mutual funds, bonds, options, and futures, and demonstrate knowledge of their individual level of risk.
- Describe the different kinds of retirement plans.

Sciences

Biology

Reading level: 12.88

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the characteristics of living things.
- Explain the process of photosynthesis.
- Explain the processes of mitosis and meiosis.
- Demonstrate knowledge of the basic principles of genetics.
- Describe the structure and function of DNA and RNA.
- List the domains and kingdoms of living organisms.
- Discuss Darwin's theory of natural selection.
- Name the major plant groups and outline the characteristics of each.
- List the characteristics of the major classes of invertebrates.
- Name and describe eight classes of vertebrates.
- Identify the components and functions of major human organ systems.
- Explain the factors that influence population growth



Sciences

Earth Science

Reading level: 8.88

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- List the bodies in our solar system, along with some of their characteristics.
- Describe the different stages of the life cycle of a star.
- Compare and contrast comets and meteors.
- Explain that plate tectonics have changed the patterns of land, sea, and mountains on Earth's surface.
- Students will be able to explain that the sun drives convection within the Earth's atmosphere and oceans, producing winds and ocean currents.
- Demonstrate a comprehensive knowledge of the different causes of erosion.
- Describe how glaciers are formed, why they move, and how they affect the land.

Earth Science (Auto Grade)

Reading level: 8.88

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- List the bodies in our solar system, along with some of their characteristics.
- Describe the different stages of the life cycle of a star.
- Compare and contrast comets and meteors.
- Explain that plate tectonics have changed the patterns of land, sea, and mountains on Earth's surface.
- Students will be able to explain that the sun drives convection within the Earth's atmosphere and oceans, producing winds and ocean currents.
- Demonstrate a comprehensive knowledge of the different causes of erosion.
- Describe how glaciers are formed, why they move, and how they affect the land.

General Science

Reading level: 8.68

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- List the steps that investigators take when using the scientific method.
- Explain the characteristics of living things and how they relate to their environments.
- Demonstrate a comprehensive knowledge about the composition of the human body: cells, tissues, organs, bones, etc.
- Describe the functions of various systems: digestive, circulatory, nervous, etc.
- Describe the characteristics of bacteria and viruses.
- List the properties of the different states of matter.
- Define potential energy and kinetic energy and calculate energy.
- Demonstrate a comprehensive knowledge about the various types of energy—nuclear, solar, wind, heat, biomass, etc.—and their uses.
- Explain how a current of electricity is created.
- Specify the uses of electricity and magnetism.
- Define the effects of gravity on weight.
- Explain the conditions that affect weather.
- Explain how sound is produced, transmitted, and sensed.
- Research and describe environmental issues and demonstrate knowledge about humankind's contribution to them.
- Demonstrate knowledge about the structure of the Earth's crust, its changes, and the causes of change.
- Describe plate tectonics and give examples of the effects of them.
- List the bodies in our solar system, along with some of their characteristics.
- Describe the different stages of the life cycle of a star.
- Compare and contrast comets and meteors.

Honors Biology

Reading level: 8.88

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the characteristics of living things.
- Explain the process of photosynthesis.
- Explain the processes of mitosis and meiosis.
- Demonstrate knowledge of the basic principles of genetics.
- Describe the structure and function of DNA and RNA.
- List the domains and kingdoms of living organisms.
- Discuss Darwin's theory of natural selection.
- Name the major plant groups and outline the characteristics of each.
- List the characteristics of the major classes of invertebrates.
- Name and describe eight classes of vertebrates.
- Identify the components and functions of major human organ systems.
- Explain the factors that influence population growth.



Sciences

Honors Earth Science

Reading level: 8.88

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate knowledge about the structure of the Earth's crust, its changes, and the causes of change.
- Explain that plate tectonics have changed the patterns of land, sea, and mountains on Earth's surface.
- Define the Earth's chemical composition and the atmosphere's composition.
- Explain that the sun drives convection within the Earth's atmosphere and oceans, producing wind.
- Define the Earth's chemical composition and the atmosphere's composition.
- Explain that the sun drives convection within the Earth's atmosphere and oceans, producing winds and ocean currents.
- Demonstrate a comprehensive knowledge of the different causes of erosion.
- Describe how glaciers are formed, why they move, and how they affect the land.
- Explain the conditions that affect weather and climate.
- Demonstrate a comprehensive knowledge of the importance of biodiversity, including species diversity, habitat diversity, and ecosystem diversity.
- List the bodies in our solar system, along with some of their characteristics.
- Compare and contrast comets and meteors.
- Describe the different stages of the life cycle of a star.

Honors Oceanography

Reading level: 9.8

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the unique physical characteristics of the marine environment.
- Demonstrate knowledge of marine communities, food chains, and food webs.
- Describe how beaches change over time, how animals adapt to these changes, and how coastal development affects the ecosystem.
- Define and explain the significance of estuaries and deltas and list some of the marine life that thrives in these ecosystems.
- Describe the importance of coral reefs including the present and potential resources.
- Explain the causes of waves, tides, currents, and tsunamis.
- Demonstrate a comprehensive knowledge of how water moves through the water cycle.
- Explain what sea ice is and how it behaves.
- Demonstrate a comprehensive knowledge of the marine food chain.
- Describe the theories of continental drift, seafloor spreading, and plate tectonics.
- Explain what factors cause the salinity to vary in different parts of the oceans.
- Demonstrate beginning knowledge of field methods used by marine biologists.
- Report in-depth on a topic of their own choosing.
- Describe the interrelationship between man and the ocean environment and the need for protection of the natural systems on Earth.

Oceanography

Reading level: 9.8

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Describe the unique physical characteristics of the marine environment.
- Demonstrate knowledge of marine communities, food chains, and food webs.
- Describe how beaches change over time, how animals adapt to these changes, and how coastal development affects the ecosystem.
- Define and explain the significance of estuaries and deltas and list some of the marine life that thrives in these ecosystems.
- Describe the importance of coral reefs including the present and potential resources.
- Explain the causes of waves, tides, currents, and tsunamis.
- Demonstrate a comprehensive knowledge of how water moves through the water cycle.
- Explain what sea ice is and how it behaves.
- Demonstrate a comprehensive knowledge of the marine food chain.
- Describe the theories of continental drift, seafloor spreading, and plate tectonics.
- Explain what factors cause the salinity to vary in different parts of the oceans.
- Demonstrate beginning knowledge of field methods used by marine biologists.
- Report in-depth on a topic of their own choosing.
- Describe the interrelationship between man and the ocean environment and the need for protection of the natural systems on Earth.



Sciences

Oceanography (Auto-Grade)

Reading level: 5.97

COURSE OBJECTIVES:

- Upon completion of this course, students will be able to demonstrate knowledge and:
- Describe the unique physical characteristics of the marine environment.
- Demonstrate knowledge of marine communities, food chains, and food webs.
- Describe the anatomy of fish.
- Demonstrate knowledge about sharks, including where they are found, what they eat, and why they are endangered.
- Demonstrate knowledge about other marine life, including cephalopods, mollusks, arthropods, and marine mammals.
- Describe how beaches change over time, how animals adapt to these changes, and how coastal development affects the ecosystem.
- Define and explain the significance of estuaries and deltas and list some of the marine life that thrives in these ecosystems.
- Describe the importance of coral reefs including the present and potential resources.
- Demonstrate a comprehensive knowledge of the marine food chain.
- Demonstrate beginning knowledge of field methods used by marine biologists.
- Describe the interrelationship between man and the ocean environment and the need for protection of the natural systems on Earth.

Social Studies

Art History

Reading level: 11.15

COURSE OBJECTIVES:

- Upon completion of this course, students will be able to demonstrate knowledge and:
- Consider and form an opinion to the question "What is art and why have people created it throughout history?"
- Analyze and interpret the meaning of works of art, from the prehistoric period to the contemporary period.
- Correctly use fundamental art and art historical terminology.
- Articulate visual and art historical concepts in written form.
- Study and comment on a wide range of pieces of arts to develop perceptual skills.
- Understand and explain the history and development of visual art, its major periods, movements, concepts and artists, and its historical, social, cultural, religious, and political contexts.
- Make a drawing or three-dimensional version of an African carving or mask.

Honors World History

Reading level: 12.58

COURSE OBJECTIVES:

- Upon completion of this course, students will be able to demonstrate knowledge and:
- Demonstrate a greater awareness of the major events that shaped our world.
- Trace the various civilizations from the earliest to those of today.
- Relate the moral and ethical principles in ancient Greek and Roman philosophy, in Judaism, and in Christianity to the development of Western political thought.
- Demonstrate knowledge about how newer civilizations built on contributions of the past.
- Describe the impact of the industrial revolution on how we live and work today.
- Recognize the names and accomplishments of many of the dominant leaders.
- Summarize how the British Empire grew to control one-fourth of the world
- Analyze and describe how world events and leaders affected their own times and the future.
- Describe the causes and effects of the World Wars.
- Describe the international developments in the post- World War 2 world.
- Interpret current events in light of events that occurred centuries ago.
- Better appreciate how the past, the present, and the future are interrelated.

Media Literacy

Reading level: 9.72

COURSE OBJECTIVES:

- Upon completion of this course, students will be able to demonstrate knowledge and:
- Interpret and explain messages in television, movies, videogames, radio, music, billboards, art, newspapers, and magazines.
- Calculate how much media they are exposed to daily and analyze and describe how they are affected by it.
- List and explain the techniques advertisers use to persuade.
- Analyze and form opinions on the topics of sex, drugs, and violence in the media.
- Explain what product placement is and define the different types.
- Analyze and form opinions on the topic of art censorship.
- Analyze the messages in different forms of media to determine if they are healthy or unhealthy.
- Explain what a subliminal message is.
- Create a unique media project.



Social Studies

U.S. Government

Reading level: 11.2

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:
Define government and explain its purpose.

Describe, and give examples of, the different forms of government.

Outline how the English government served as a model for the American government.

Name and discuss the different types of government in the early American colonies.

Describe the events that caused unrest and led to the American Revolution.

List the three main parts of the Constitution and outline what each includes.

Explain how the Constitution can be amended, and list the Amendments.

Discuss several Supreme Court cases involving interpretations of the Constitution.

Outline the powers and responsibilities of the federal government's legislative branch.

Explain the law-making process.

Describe the powers and responsibilities of the President and Vice President.

List some of the executive branch's departments, agencies, and programs.

Outline the organization of the federal court system.

Describe the powers and responsibilities of the federal government's judicial branch.

Summarize several landmark cases handled by the U.S. Supreme Court.

Briefly describe how state, county, city, and township governments operate.

Differentiate between a natural-born citizen and a naturalized citizen.

Outline the process for becoming a United States citizen.

Explain the rights and responsibilities of citizens in a democratic nation.

Describe how citizens let elected officials know their opinions on various matters.

Outline the origins of the Democratic Party and the Republican Party.

Summarize how Americans elect their President, Vice President, and others.

Define special interest groups and political action committees, and give examples.

Explain where governments get their money and how they spend it.

Briefly describe the role of the media in public opinion.

World Cultures

Reading level: 9.9

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

Define terms relevant to the subject, like enculturation, cultural diffusion, generation gap, etc.

List the major geographical regions of different countries.

Demonstrate knowledge about what countries border each other.

Describe the different types of nomadic cultures.

Explain the different types of family structures and how certain cultures adopted them.

Compare and contrast their own family structure with other cultures'.

Give examples of how lifestyles and economic activity are influenced by climatic conditions.

Place key events and people of the historical era they are studying in a chronological sequence and within a spatial context.

Explain how the present is connected to the past, identifying both similarities and differences between the two, and how some things change over time and some things stay the same.

Use map and globe skills to determine the absolute locations of places and interpret information available through a map's or globe's legend, scale, and symbolic representations.

Judge the significance of the relative location of a place (e.g., proximity to a harbor, on trade routes) and analyze how relative advantages or disadvantages can change over time.

Identify the human and physical characteristics of the places they are studying and explain how those features form the unique character of those places.

Identify and interpret the multiple causes and effects of historical events



Social Studies

World Cultures (Auto-Grade)

Reading level: 9.9

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Define terms relevant to the subject, like enculturation, cultural diffusion, generation gap, etc.
- List the major geographical regions of different countries.
- Demonstrate knowledge about what countries border each other.
- Describe the different types of nomadic cultures.
- Explain the different types of family structures and how certain cultures adopted them.
- Compare and contrast their own family structure with other cultures'.
- Give examples of how lifestyles and economic activity are influenced by climatic conditions.
- Place key events and people of the historical era they are studying in a chronological sequence and within a spatial context.
- Explain how the present is connected to the past, identifying both similarities and differences between the two, and how some things change over time and some things stay the same.
- Use map and globe skills to determine the absolute locations of places and interpret information available through a map's or globe's legend, scale, and symbolic representations.
- Judge the significance of the relative location of a place (e.g., proximity to a harbor, on trade routes) and analyze how relative advantages or disadvantages can change over time.
- Identify the human and physical characteristics of the places they are studying and explain how those features form the unique character of those places.
- Identify and interpret the multiple causes and effects of historical events.

World History

Reading level: 12.58

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate a greater awareness of the major events that shaped our world.
- Trace the various civilizations from the earliest to those of today.
- Relate the moral and ethical principles in ancient Greek and Roman philosophy, in Judaism, and in Christianity to the development of Western political thought.
- Demonstrate knowledge about how newer civilizations built on contributions of the past.
- Describe the impact of the industrial revolution on how we live and work today.
- Recognize the names and accomplishments of many of the dominant leaders.
- Summarize how the British Empire grew to control one-fourth of the world
- Analyze and describe how world events and leaders affected their own times and the future.
- Describe the causes and effects of the World Wars.
- Describe the international developments in the post- World War 2 world.
- Interpret current events in light of events that occurred centuries ago.
- Better appreciate how the past, the present, and the future are interrelated.

World Mythology

Reading level: 10.39

COURSE OBJECTIVES:

Upon completion of this course, students will be able to demonstrate knowledge and:

- Demonstrate knowledge about the historically significant myths from all parts of the world.
- Explain the difference between a myth and a legend.
- Explain the historical functions of myths.
- Read and respond to historically and culturally significant works of literature that reflect and enhance their studies of history and social science.
- Conduct in-depth analyses of recurrent patterns and themes.
- Write a creative narrative essay.
- Write their own unique myth.

Test Preparation

SAT Preparation

Reading level: 11.2

COURSE OBJECTIVES:

The objective of this course is to prepare students to take the SAT. They will improve verbal and math skills.

Readability tests are used extensively in the field of education. The "Flesch-Kincaid Grade Level Formula" translates the 0-100 score to a U.S. grade level, making it easier for teachers, parents, librarians, and others to judge the readability level of various books and texts. It can also mean the number of years of education generally required to understand this text, relevant when the formula results in a number greater than 12. The grade level is calculated with the following formula:

$$\text{FKRA} = (0.39 \times \text{ASL}) + (11.8 \times \text{ASW}) - 15.59$$

where,

FKRA = Flesch-Kincaid Reading Age

ASL = Average Sentence Length (i.e., the number of words divided by the number of sentences)

ASW = Average number of Syllables per Word (i.e., the number of syllables divided by the number of words)

The result is a number that corresponds with a grade level. For example, a score of 8.2 would indicate that the text is expected to be understandable by an average student in 8th grade (usually around ages 13-14 in the United States of America). This page has the score of 12.5.

The lowest grade level score in theory is -3.40, but there are few real passages where every sentence consists of a single one-syllable word. Green Eggs and Ham by Dr. Seuss comes close, averaging 5.7 words per sentence and 1.02 syllables per word, with a grade level of -1.3. (Most of the 50 used words are monosyllabic; "anywhere", which occurs 8 times, is an exception.)

Source: http://en.wikipedia.org/wiki/Flesch%E2%80%93Kincaid_readability_test

Users intending to enroll in Online Courses delivered through Greenways Academy, should adhere to the following checklist for readiness and compatibility.

COMPUTERS :

- We strongly recommend having a broadband Internet connection. (*DSL or Cable*)
- **Mac or PC** - desktop or laptop (“notebook”) computers - are both acceptable.
- Web TV systems, Palm Pilots, web-enabled PDAs, game consoles, or mobile phones are not acceptable.
- Your operating system should be **Windows 2000** , **Windows XP**, **Windows Vista**, **Windows 7** or **Mac OS X** (Computers with **Linux** -based operating systems are also acceptable, but *limited support* can be offered in the case of troubleshooting, if any problems are experienced).
- You must ensure that the **system time on your computer** is *accurate and correct* Hour – Day – Date – Month – Year – Time Zone **and** Daylight Savings Time offset (if applicable)
- If you are enrolling into a language course, it is necessary that your computer has both a sound card and a microphone.

WEB BROWSERS :

- You must use one of the following four browsers:
 - **Internet Explorer** or **Netscape** or **Firefox** or **Safari** (for Macs)
 - **Other browsers are not supported** –The technical support staff is unable to troubleshoot any problems that might be experienced when using other browsers.
- Certain **service-branded browsers** (such as the **AOL Explorer** browser) are **known to be incompatible** with our system and should not be used to access Greenways Academy.
- Certain browser add-ons (such as *extra toolbars* provided by **MSN, Yahoo, Alexa, eBay, FunWebProducts/MyWebSearch, HotBar**, etc.) and various adware/spyware/malware programs on your computer might result in page-display issues which the Greenways Academy staff *cannot troubleshoot*.
- We strongly recommend that you do have the following **free** browser plug-ins and media players installed: (some of the following are **required** to properly display certain content in certain courses)
 - **Adobe Acrobat Reader** - <http://www.adobe.com/products/acrobat/readstep2.html>
 - **Flash Player** - <http://www.macromedia.com/software/flash/about/>
 - **Java** - <http://www.java.com/en/download/>
 - **Shockwave** - <http://www.adobe.com/shockwave/download/download.cgi>
 - **Quicktime** - <http://www.apple.com/quicktime/download/>
 - **Windows Media Player** - <http://www.microsoft.com/windows/windowsmedia/>
 - **RealPlayer** - <http://www.real.com/player>
 - Browsers must be set to allow cookies **Or** at least allow cookies from www.auroralearning.com.
 - Pop-up blockers must be disabled **Or** at least set to allow pop-ups from www.auroralearning.com.

Notes on Third-Party Content:

- Educational partners such as (but not limited to) **Rosetta Stone** etc., to which students of certain online courses may be required to go, may have similar – or other - requirements, and care should be given to *fully read and understand* those requirements as defined at those websites.
- Users should understand also that if technical difficulties are experienced at those websites, then requests for technical support must be addressed to the tech support staff of those respective companies, as Greenways Academy tech support staff cannot troubleshoot problems at websites which are not its own.
- Certain courses may require the user to have a particular program (Such as **Adobe Photoshop**) which is *not provided as part of the course materials*.
- The course catalog clearly indicates such requirements; users should observe these requirements before enrolling in the course.

Tech Skills Needed:

- Each user should have a familiarity with the basic pertain of a computer. The user should know how to turn on a computer, enter a name and password if called for, use a mouse to access programs and use a keyboard to enter text and numbers to answer quiz and final test questions.

Technical Assistance:

- If a student runs experiences an operational problem such as the “blue screen of death”, the student has the option of contacting the teacher, calling the toll free operations hot line or contacting the “Learning center proctor” if available in a learning center.
- For issues where a link does not work, there is a button inside the course to report these malfunctions.
- Any of these problems will be resolved within a normal work day and not to exceed 24 hours.

To Register

Call: 866-677-2111



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Visit us on the web:

<http://greenwaysacademy.com/washington/>