

HOMESCHOOL COLLEGE USA

Course Curriculum – HIGH SCHOOL

JUNIOR YEAR – COLLEGE PREP

1. Junior English (1 credit)

Junior English furthers development of grammar, writing, and critical thinking skills, with a literature component of the in-depth study of four classic novels.

Saylor's English Composition 2 - <http://www.saylor.org/courses/engl002/>

Course Description:

"The ability to research topics and incorporate information from your sources into your work is an important skill both in college and on the job. This course will reinforce the concepts you practiced in English Composition I by introducing you to basic research concepts and techniques and giving you a chance to put them to work as you develop a final research paper. We will begin by looking at how to build research into an effective writing process. First, you will learn to think of researching not as a requirement for getting a good grade on a paper, but as a valuable tool that can make your writing more powerful and persuasive. You will learn how to build research into your writing process so that you can add persuasive power to your finished written work. Through rigorous practice of the fundamental techniques, you will come to see that, like writing itself, research is an act of discovery rather than a search for prefabricated ideas."

Literature novel units

1st Quarter: *The Scarlet Letter*, by Nathaniel Hawthorne

Study Guide - http://www.glencoe.com/sec/literature/litlibrary/pdf/scarlet_letter.pdf

2nd Quarter: *One Day in the Life of Ivan Denisovich*, by Alexander Solzhenitsyn

Study Guide - http://www.glencoe.com/sec/literature/litlibrary/pdf/one_day_in_life.pdf

3rd Quarter: *Great Expectations*, by Charles Dickens

Study Guide - http://www.glencoe.com/sec/literature/litlibrary/pdf/great_expectations.pdf

4th Quarter: *A Midsummer Night's Dream*, by William Shakespeare

Study Guide - http://www.glencoe.com/sec/literature/litlibrary/pdf/midsummer_nights_dream.pdf

2. Algebra 2 (1 credit)

Western Texas A & M Intermediate Algebra -

http://www.wtamu.edu/academic/anns/mps/math/mathlab/int_algebra/index.htm (for review)

Western Texas A & M College Algebra -

http://www.wtamu.edu/academic/anns/mps/math/mathlab/col_algebra/index.htm

Education Portal's College Algebra -

<http://education-portal.com/academy/course/algebra.html>

Course Description:

"A comprehensive algebra course covering polynomials, rational expressions, quadratic equations, inequalities, graphing, functions, logarithms, basic probability, and additional algebraic topics. "

Additional practice worksheets - <http://www.kutasoftware.com/freeia2.html>

3. Chemistry (1 credit)

Carnegie-Mellon University's Introduction to Chemistry - <http://oli.cmu.edu/courses/free-open/chemistry/>

Course Description:

"This is a complete course in chemical stoichiometry, which is a set of tools chemists use to count molecules and determine the amounts of substances consumed and produced by reactions. The course is set in a scenario that shows how stoichiometry calculations are used in real-world situations."

Video Labs -

Learner.org's A World of Chemistry - <http://learner.org/resources/series61.html>

"Join with experts to observe chemistry in action and learn the laws and principles of this dynamic field. Computer technology and special effects place students in a front-row seat to observe many processes, even those that are too dangerous or impractical to experience directly."

4. World History 1 (1 credit)

Saylor's Ancient Civilizations of the World - <http://www.saylor.org/courses/hist101/>

Course Description:

"In this course, we will study the emergence of the major civilizations of the ancient world, beginning with the Paleolithic Era (about 2.5 million years ago) and finishing with the end of the Middle Ages in fifteenth century A.D. We will pay special attention to how societies evolved across this expanse of time—from fragmented and primitive agricultural communities to more advanced and consolidated civilizations. To do this, we will rely upon textbook readings to provide historical overviews of particular civilizations and then utilize primary-source documents to illuminate the unique features of these individual societies. By the end of the course, you will possess a thorough understanding of important overarching social, political, religious, and economic themes in the ancient world, ranging from the emergence of Confucian philosophy in Asia to the fall of imperial Rome. You will also understand how many aspects of these ancient civilizations continue to remain relevant in today's world."

Saylor's Early Globalizations: East Meets West (1200s-1600s) *Units 1 – 6* - <http://www.saylor.org/courses/hist102/>

Course Description:

"This course will introduce you to the history of the world's major civilizations from medieval times to the early modern era. You will learn about the pivotal political, economic, and social changes that took place in Asia, Africa, the Americas, and Europe during this period. The course will be structured chronologically, with each unit focusing on the expansion or decline of a particular civilization or the interactions and exchanges between civilizations. The units will include representative secondary and primary source documents that illustrate important overarching political, economic, and social themes, such as the transformation of western Europe during the Renaissance, the emergence of a more inclusive world economy, and the impact of early European exploration and colonization. By the end of the course, you will understand how many different civilizations evolved from isolated societies into expansive, interconnected empires capable of exerting global influence."

5. Geography (1 credit)

Saylor's World Regional Geography - <http://www.saylor.org/courses/geog101/>

Course Description:

"Geography is the study of the physical features of the Earth and its atmosphere – including landscape development, weather and climate, and geologic concepts – as well as the influence of human activity – including cultural, economic, and political activity – on those physical features. World Regional Geography covers the basic elements noted above but within a regional context. Ultimately, World Regional Geography is concerned with the physical and human characteristics that make the regions of our world distinctive. As you progress through the course, the units will discuss each major world region in detail, placing particular emphasis on cultural and societal structures. Regions will be discussed within a global framework in the hope that you will gain a better comprehension of how the world map is being defined and redefined. In addition, you will study key global issues such as international conflict and cooperation, environmental degradation, population growth, and globalization."

6. French 2 (1 credit)

Carnegie-Mellon University's Elementary French 2 -
<http://oli.cmu.edu/courses/free-open/french-ii-course-details/>

Course Description:

"Elementary French II is a carefully sequenced and highly interactive presentation of French language and culture in a media-rich course environment including new video shot in France and Québec with young professional actors. It is designed to be used as a full course of study."

