
Seeing Jesus in the Old Testament

Grade Level: 9/10

Prerequisites: None

Course Duration: 1 Semester

Subject Area in which graduation credit is given:
Religion

COURSE DESCRIPTION:

Martin Luther once said: "you can see Jesus on every page of Scripture". In this course we will develop not only a working study of Old testament prophecy concerning the Messiah...but discover direct and indirect references not only to Jesus' Coming—but the details concerning that coming, as seen through the lens of the Old Testament writers. The student will gain a new understanding of the CLOSE relationship of OT to NT—especially in the prophecy, person and work of Jesus the Messiah.

BASIC TEXTS AND TEACHING GUIDES

NIV Adult Study Bible

The Book of Acts

Grade Level: 9/10

Prerequisites: None

Course Duration: 1 Semester

Subject Area in which graduation credit is given:
Religion

COURSE DESCRIPTION:

The book of Acts gives the history of the Christian church and the spread of the gospel of Jesus Christ, as well as the mounting opposition to it. Acts picks up with the ascension of Jesus and takes readers through the adventures of early believers seeking to fulfill the Great Commission. Throughout the course, students examine the difficulties faced in the decades following Pentecost as the church sought to formulate doctrine and send missionaries throughout the Roman Empire.

BASIC TEXTS AND TEACHING GUIDES

NIV Adult Study Bible

SUPPLEMENTARY RESOURCES

Algebra I

Grade Level: 9-10

Prerequisites: Alg. ½ OR A average in Math 87 and Teacher recommendation

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
Mathematics

COURSE DESCRIPTION

Algebra I is the introduction of variables, constants, expressions and equations. The course covers topics in the following areas: solving linear and quadratic equations and inequalities, simplifying expressions, order of operations, polynomials, factoring, graphing (both linear and quadratic equation). Emphasis is placed on problem solving techniques.

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

Algebra I, Glencoe McGraw-Hill, 2008

Geometry

Grade Level: 10th and advanced 8th or 9th

Prerequisites: C or higher in Algebra I

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
Mathematics

COURSE DESCRIPTION

Geometry provides students with experiences that deepen the understanding of two and three-dimensional objects and their properties. Properties and relationships of geometric objects include the study of: 1) points, lines, angles, and planes; 2) polygons, with special focus on quadrilaterals, triangles, right triangles; and 3) circles. An understanding of proof and logic is developed.

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

Geometry, Glencoe McGraw-Hill, 2008

Algebra II

Grade Level: 11th and advanced 9th or 10th

Prerequisites: C or higher in Geometry

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
Mathematics

COURSE DESCRIPTION

Algebra II is a course that expands on the basic algebraic concepts involved in solving equations and inequalities, factoring polynomials, graphs, exponents, and solving quadratic equations. In addition, it examines quadratic, logarithmic, and exponential functions, the application of functions to real world problems, conic sections, probability, trigonometric functions, and complex numbers.

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

Algebra II, Glencoe McGraw-Hill, 2008

Pre-calculus and Trigonometry

Grade Level: 12th and advanced 10th and 11th

Prerequisites: C or higher in Algebra II

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
Mathematics

COURSE DESCRIPTION

Pre-calculus is designed to increase the students' knowledge of mathematics beyond Algebra II. It provides the background needed to succeed in calculus. This course emphasizes the fundamentals of functions through the study of polynomial, rational, power, exponential, logarithmic, trigonometric, and circular functions. Students thoroughly explore composition, inverses, and transformations of functions. TI-83 or TI-84 calculator is required.

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

Advanced Mathematical Concepts: Pre-calculus with Applications, Glencoe McGraw-Hill, 2006

Physical Science

Grade Level: 9

Prerequisites: Science in Grade eight or nine

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
Science

COURSE DESCRIPTION

In this course we will review basic chemistry concepts and understand the physics of a chemical reaction. We will also become familiar with what happens to substances on a molecular level under various conditions. (For example: during heating and cooling)

We will also study physics. We will study forces and motion, machines and mechanics. We will focus on electricity and how to produce it and build circuits. During the entire class we will use the Solar Car as a context for our learning. While we will not work on the car in class we will do several experiments with the car. We will also be using your knowledge to make a model solar car.

College Preparatory Course

BASIC TEXTS AND TEACHING GUIDES

Conceptual Physics, Paul G. Hewitt

"Matter and Molecules"

<http://ed-web3.educ.msu.edu/reports/matter-molecules/default.htm>

This Curriculum was created by Michigan State University and is given the highest ratings by the **American Association for the Advancement of Science** (AAAS – the publishers of the Journal "Science") It focuses on understanding what occurs on a molecular level during chemical and physical changes.

Biology

Grade Level: 10

Prerequisites: Physical Science

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
Science

COURSE DESCRIPTION

In this course we will study biochemistry. This study will begin with how the food you eat turns into you and how proteins are made and regulated by your DNA. We will focus on what makes up a cell and the mechanisms of cellular physiology. We will spend most of our time learning genetics by using modern lab methods to test DNA and make many copies of DNA. We will also focus on how living things are interconnected in an ecosystem by studying the cycling of carbon, nitrogen, and other elements.

College Preparatory Course

BASIC TEXTS AND TEACHING GUIDES

NIH curriculum and supplements will be the primary texts. Many other periodicals and interactive texts and web sites will be used as well.

Economics

Grade Level: 10 - 12

Prerequisites:

Course Duration: One Semester

Subject Area in which graduation credit is given:
History

COURSE DESCRIPTION

The primary purpose of this course is to provide an introduction to economic terms, problems, and issues. Students will examine market generalities, supply and demand, personal finance, macroeconomics, the role of government, the global economy, and other topics.

Learning will take place using a variety of methods, while addressing the Oregon state social science standards. Methods used include, but are not limited to, reading, writing, lecture, class discussion, debate, and critical thinking. Chapter tests are given as well as a semester final. Projects include analyzing the role of government in the economy and the benefits and dangers of our global economy, as well as creating personal spending plans. These will help students to develop a better understanding of macroeconomics and personal finance.

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

Lopus, J., Morton, J., Reinke, R., Schug, M., Wentworth, D. Capstone Exemplary Lessons for High School Economics. National Council on Economic Education, 2005.

Modern World History

Grade Level: 9

Prerequisites:

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
History

COURSE DESCRIPTION

The primary purpose of this freshman course is to examine the progression of human history to the modern era, focusing more on Europe, Asia, and Africa than on the United States. A review of time up until the Renaissance is completed during the first few weeks of the year. From the Renaissance to Modern Times is completed in the remaining chapters. Geography, current events, economics and government are also studied through this course.

Learning will take place using a variety of methods, while addressing the Oregon state social science standards. Methods used include, but are not limited to, reading, writing, lecture, class discussion, and critical thinking. Chapter tests are given as well as semester finals. Projects include writing a biography of a historical person and presenting an event from history and analyzing its causes and effects. These will help students to develop a better understanding of key areas in world history.

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

Spielvogel, Jackson J., Ph.D. World History: Modern Times. Glencoe/McGraw Hill, 2005.

Art Design, Sculpture and Drawing

Grade Level: 9/10

Prerequisites: None

Course Duration: 1 Semester

Subject Area in which graduation credit is given:
Art Elective

COURSE DESCRIPTION:

This semester course calls upon students to respond to, analyze, and make informed judgments about works in the arts. Students will be asked to demonstrate an understanding of the arts in relation to history, cultures and contemporary society. Students will connect and relate the arts to other disciplines and to society. Planning, figures, carving, printing, painting and sketching with the use of a variety of materials will be introduced, applied to individual projects and discussed.

BASIC TEXTS AND TEACHING GUIDES

Elements of Art, Becker Publications, 2001

SUPPLEMENTARY RESOURCES

Culture Smart, Prentice Hall, 1999

Art Images and Ideas, Davis Publications, 2008

Spanish II

Grade Level: 9 - 10

Prerequisites: C or higher in Spanish 1

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
World Language

COURSE DESCRIPTION

Spanish II is designed to build on the content knowledge learned in Spanish I. After students acquire the essential vocabulary and structure needed to function in a given situation, we present realistic conversations that use natural, colloquial Spanish and, most importantly, Spanish that students can readily understand. Students will be given opportunities to use their Spanish in activities with interesting and varied, but realistic, formats. Students will read, write, hear, and speak Spanish every day they are in class!

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

Buen Viaje, Glencoe McGraw-Hill, 2005

English 9

Grade Level: 9

Prerequisites: Grade school English
(Language/Literature)

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
English

COURSE DESCRIPTION

The objective of English 9 is to further solidify students' written communication skills and deepen their appreciation for literature in its various forms. This course will integrate themes between student reading and their studies in history and science (i.e. Animal Farm is read before students begin studying the "Russian Revolution"). Practicing various forms of writing will give students a chance to explore and refine their literary voice. This course will place and emphasis on vocabulary, spelling, and poetry. Assigned reading outside of the classroom is

College Preparatory Course.

BASIC TEXTS AND TEACHING GUIDES

*Language Network: Grammar · Writing ·
Communication 9– McDougal Littell*

The Language of Literature 9 – McDougal Littell

SUPPLEMENTARY RESOURCES

Orwell, George. *Animal Farm*. New York: Signet Classic, 1996. ISBN: 978-0-451-52634-2

Remarque, Erich Maria. *All Quiet on the Western Front*. New York: Ballantine Books, 1982. ISBN: 0-449-21394-3

Shakespeare, William. *Romeo and Juliet*. New York: Viking Penguin, 1960. . ISBN: 0-590-97598-6

English 10

Grade Level: 10

Prerequisites: English 9

Course Duration: Two Semesters

Subject Area in which graduation credit is given:
English

COURSE DESCRIPTION

This course includes a systematic review of standard grammatical practices including the diagramming of sentences. The reading of novels outside of class will integrate fictional themes and settings into a historical context. A review of standard academic writing forms will begin the year with an introduction to converting short stories to screenplays and writing for visual media. Vocabulary and spelling will be stressed and a poetry anthology will be produced.

College Preparatory Course.

BASIC TEXTS AND TEACHING

*Language Network: Grammar · Writing ·
Communication 10–McDougal Littell*

The Language of Literature 10 – McDougal Littell

SUPPLEMENTARY RESOURCES

Fitzgerald, F. Scott. *The Great Gatsby*. New York: Wordsworth Classics, 2001.

Lee, Harper. *To Kill a Mockingbird*. New York: Harper Perennial Modern Classics, 2002 ISBN: 0-06-093546-4

Cooper, James Fenimore. *The Last of the Mohicans*. New York: Barnes and Noble Classics Series, 2004 ISBN: 9781593081379