



New Covenant School 2023-2024 Course Catalog

ENGLISH

Honors Ancient Literature

Grade 9

1 unit

Textbook: *Omnibus I - Biblical and Classical Civilizations*

The Omnibus is an integrated program of reading through the most important works of Western Theology, History and Literature. In the Omnibus students' logical thinking skills are honed by entering into the arguments that have shaped the Western World. As they discuss and debate issues, they sharpen their rhetorical skills by analyzing and imitating the writings that they study and by creatively producing essays, prose, fictional tales and poetry of their own. Ancient Literature focuses on supplementary - usually contemporary - literary texts.

Honors Medieval Literature

Grade 10

1 unit

Textbook: *Omnibus II: Church Fathers through the Reformation*

Omnibus is the classical Christian educational answer to history, theology, and literature. Omnibus is a Latin term meaning "all encompassing." Completing Omnibus II will provide the student a full credit in Medieval History I, Medieval Literature I and a half credit in Doctrine and Theology II. Combining these disciplines will have students grow in their appreciation of the unity of all knowledge, and all the material is taught through a biblical worldview. The student text covers early church fathers through the beginning of the Reformation, teaching with the emphasis on ideas, not simply information. Medieval Literature focuses on supplementary - usually contemporary - literary texts.

Honors Modern Literature**Grade 11****1 unit****Textbook:** *Omnibus III The Reformation to the Present*

Omnibus is the classical Christian educational answer to history, theology, and literature. Omnibus is a Latin term meaning "all encompassing." Completing Omnibus III will provide the student a full credit in Modern History I, Modern Literature I and a half credit in Doctrine and Theology III. Combining these disciplines will have students grow in their appreciation of the unity of all knowledge, and all the material is taught through a biblical worldview. The student text covers the Reformation to the present, teaching with the emphasis on ideas, not simply information. Modern Literature focuses on supplementary - usually contemporary - literary texts.

Honors Rhetoric/English IV**1 unit****Grade 12****Textbook:** *Rhetoric Alive! Book 1: Principles of Persuasion* and *Rhetoric Alive! Senior Thesis Student Workbook*, Classical Academic Press

Students will explore the principles of winsome speech and writing as developed in the foremost text on persuasion, *Aristotle's Rhetoric*. Maturing communicators will explore the essential components of persuasion—the three appeals, the three types of speech, and the five canons. Developing authors will analyze and discuss exemplary classic texts from Pericles's *Funeral Oration* to Martin Luther King, Jr.'s, *Letter from Birmingham Jail*. Growing disciples will consider the role of the Holy Spirit in preparing and delivering spoken and written words that glorify God and influence others.

Students will also practice and sharpen their own rhetorical skills through weekly workshops, imitation assignments, written papers, and oratory presentations. This natural integration of study and practice, with lots of speaking and writing, is designed to prepare students for effective speech and written communication in the university and beyond.

MATHEMATICS

Honors Algebra I

Grades 8 and 9

1 unit

Textbook: *Holt Algebra 1, Holt, Rinehart, and Winston; 1st edition*

Algebra 1 is a course in the fundamentals of algebra. Algebra I continues the study of algebraic concepts including operations with real numbers and polynomials, relations and functions, creation and application of linear and quadratic functions and relations, data analysis, and geometric measurement.

Geometry CP

Grades 9-11

1 unit

Textbook: *Holt Geometry, Holt, Rinehart, and Winston; 1st edition*

Geometry introduces mathematical properties, theorems, and vocabulary involving proofs and the study of points, lines, planes, angles, triangles, polygons, circles, congruence and similarity, area and volume, and coordinate geometry. Logical thinking strategies are developed through a rigorous level of problem solving and evaluation.

Algebra II CP

Grades 10 and 11

1 unit

Textbook: *Holt Algebra 2, Holt, Rinehart, and Winston; 1st edition*

Algebra II continues the study of algebraic concepts including linear equations and inequalities, matrices and determinants, quadratic functions, polynomials, radicals and powers, exponential and logarithmic functions, rational equations, and conic sections along with graphing of functions and modeling real life problems. Strategies of logical thinking are developed through a more comprehensive level of problem solving and evaluation.

Survey of Mathematics

Grades 11 and 12

1 unit

Textbook: *Survey of Mathematics with Applications, Pearson; 10th edition*

Survey of Mathematics is a course that will reinforce topics learned in Algebra I and II as well teaching critical thinking skills, sets, systems of numeration, number theory and the real number system, algebra graphs and functions, systems of linear equations and inequalities, the metric system, geometry, consumer mathematics, probability, and statistics. Some topics lend themselves nicely to SAT or ACT review. Students coming into Survey of Mathematics must have successfully completed both Geometry and Algebra II.

PreCalculus Honors**Grade 11 or 12****1 unit****Textbook:** *PreCalculus with Limits: A Graphing Approach*, Ron Larson, 6th edition (CENGAGE, 2012)

PreCalculus includes the review and extension of many Algebra 2 concepts and skills as well as an introduction to analytical trigonometry. In this course, an emphasis will be placed on the students' conceptual understanding and ability to model and solve real-world problems. Graphing calculator technology will be utilized throughout the course to facilitate the teaching of multiple approaches to problem solving. This course is the prerequisite course for Calculus.

Probability and Statistics**Grade 12****1 unit****Textbook:** *Bock, et al. Stats: Modeling the World*, 5th ed. Pearson, 2019.

Students will have the advantage of being able to bring a Biblical worldview to bear as we analyze data and discuss statistical results reported in the media. Statistics is often thought of in terms of quantifying random chance. We will see that in statistics and probability variables that are called random actually vary according to a pattern that is so predictable that they have been given names like "normal distribution" and "Student's t-distribution" and "F-distribution". So statistics is merely another set of tools that man has developed to help him describe what he observes in God's creation. Topics covered in this course will include basic descriptive measures, measures of association, probability theory, confidence intervals, and hypothesis testing. The main objective is to provide students with pragmatic tools for wisely assessing statistical claims and conducting their own statistical analyses with a Christian perspective.

Calculus (not available this year)**Grade 12****1 unit****Textbook:** *Calculus: An Applied Approach*, Larson, 8th Edition

Prerequisites: B or better in PreCalculus or instructor approval. This course teaches differential and integral calculus, with an emphasis on solving problems with a graphing calculator. Students will be required to present answers verbally and will have written projects in addition to homework and class exams.

SCIENCE

Honors Logic:

Grade 8

1 unit

Textbook: *The Art of Argument, Classical Academic Press*

Logic is an in-depth study of the classical syllogism. Along with a basic understanding of the Christian theory of knowledge, the text presents the four kinds of logical statements, the four ways propositions can be opposite, the three ways in which they can be equivalent, and the seven rules for the validity of syllogisms.

Honors Earth Science

Grade 9

1 unit

Textbook: *Earth Science, Fourth Edition; Santopietro and Egolf; BJU press 2012.*

This course serves as a foundation for in depth discovery of the natural created order in the realm of earth and space. This class study focuses on the four divisions of the created order: the celestial sphere, the atmosphere, the lithosphere, and the hydrosphere. It includes lectures, labs, observations, and experiences designed to create an understanding of the fundamental principles and observations along with some of the abstract concepts that we observe in the nonliving portion of God's creation.

Honors Biology

Grades 10

1 unit

Textbook: *Biology, Pearson Prentice Hall*

This course serves as a foundation for in depth discovery of the natural created order of life. It emphasizes a lecture and laboratory component to reinforce the fundamental as well as the abstract concepts that occur in God's creation. This study will include lectures, labs, and experiences leading to an understanding that will assist the student in life through a greater awareness of the living creation around them and also assist them in future academic pursuits in all disciplines. In the first semester of this course there is a heavy emphasis on human anatomy and physiology. The student will finish the first semester with a working knowledge of biology as a science along with the fundamental structures and functions of the human body. The second semester provides a working knowledge of living cells as the basic units of life, genetics, evolutionary theories, and the classification of living organisms. The second semester includes many labs, particularly involving dissections of prepared specimens.

Honors Chemistry**Grade 11****1 unit****Textbook:** *Chemistry, Pearson, 2012.*

The purpose of this course is to gain knowledge of the atomic level of God's creation. This study will include lectures, labs, and experiences leading to an understanding that will assist the student in life through a greater awareness of the world around them and also assist them in future academic pursuits in all disciplines. This course goes much deeper than the introductory material presented in the ninth grade Physical Science class. Students will gain a working knowledge of the periodic table, matter, scientific measurement, atomic structure, types of bonding, types of reactions, chemical naming and formulas, stoichiometry, nuclear chemistry, and related topics.

Honors Physics**Grades 12****1 unit****Textbook:** *Conceptual Physics, Pearson Prentice Hall*

The purpose of this course is to gain knowledge of the fundamental science of Physics which can be used to study and explain the laws that govern God's creation. This study will include lectures, labs, and experiences leading to an understanding that will assist the student in life through a greater awareness of the world around them and also assist them in future academic pursuits in all disciplines. Students will gain a working knowledge of mechanical equilibrium and Newton's Laws of Motion; momentum; energy, work, and power; gravity and satellite motion; principles of relativity; heat; waves, sound, and light; and electricity and magnetism. Advanced mathematics and calculus are not required for this course, but a significant number of new concepts are introduced very quickly making for a challenging and stimulating study. For those who are engaged in advanced mathematical studies, enrichment opportunities may be presented at appropriate points.

HISTORY

Honors Ancient History

Grade 9

1 unit

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Honors Modern History

Grades 11

1 unit

Textbook: *Omnibus III The Reformation to the Present*

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Honors American Government

Grade 12

½ unit

Textbook: *American Government, 3rd Edition, Tim Keese* (BJU Press 2014)

American Government prepares students for responsible citizenship with a discussion of the principles and mechanics of a constitutional republic. The curriculum provides insight on a variety of topics such as the three branches of government, political parties, elections, foreign policy, and more, all from a biblical perspective.

Honors Economics

Grade 12

½ unit

Textbooks: *Foundations in Personal Finance, High School, Fourth Edition; Nevills et.al.; Ramsey Education.* There will be a required daily video component to these lessons. An online resource is also available to each student at ramseyclassroom.com. *Economics, Second Edition; Carper, Bradley, and Payne; BJU Press 2010.*

This course is designed to acquaint students with those principles and concepts essential to an understanding of the American economic system. There will also be a strong emphasis on Personal Finance which is necessary to be a successful, independent adult. The course emphasizes economic policies and decision-making, the free enterprise system, market structure, macroeconomics, microeconomics, money and banking, non-banking financial institutions, business organizations, the role of government in market operations, principles of trade and economic development, and consumer skills. Students will develop individual and group projects throughout the course.

FOREIGN LANGUAGE

Spanish I

Grades 9 and 10

1 unit

Textbook: *Spanish I for Christian Schools, BJU Press*

Prerequisites: None.

This course is the first in a series to develop the skills of understanding, speaking, reading, and writing Spanish. Students will learn to pronounce and use the basic sounds and intonation patterns of the language. They will master a limited set of structural and lexical objectives to be used in common daily conversational situations. They will also gain a basic knowledge of contemporary Spanish culture as they participate in language learning activities to develop communicative competence.

Spanish II

Grade 10 and 11

1 unit

Textbook: *Spanish II for Christian Schools, BJU Press*

Prerequisites: Spanish I with grade "C" or higher.

This course is designed for students to expand their knowledge of the Spanish language and culture. The major objective of the course is the development of the four skills of understanding, speaking, reading, and writing. Students will develop communication skills, study complex grammar structures including Indicative Mood as well as the Imperative Mood with an introduction to the Subjunctive Mood. Students will expand their vocabulary in situations covered in Spanish I as well as new areas. Cultural studies include videos and research projects illustrating culture and customs, discussion of the psychology of the Hispanic people, and geography. Reading books and class activities will help students acquire the ability to function in the Spanish culture and communicate with native speakers.

Spanish III

Grade 11 and 12

1 unit

Textbook: *Spanish III for Christian Schools, BJU Press*

Prerequisites: Spanish II grade "C" or higher.

This course is designed for students to expand considerably their learning and activities in the Spanish language and culture. They will complete the study of the basic grammatical structures and continue the development of the four skills using these structures and vocabulary on this level. Throughout the course there will be a systematic review of language patterns studied earlier. Although students will continue their study of contemporary culture of the Spanish-speaking world, they will learn about its history.

B I B L E

Church History

Grades 9 and 10

½ unit

Textbooks: *Documents of the Christian Church IV Edition, Bettenson & Maunder*

This general introduction to Church History aims at tracing the key persons, conflicts, movements, and pivotal ideas that have shaped the Western Church. This course will seek to faithfully communicate formative persons or events by going *ad fontes*, or “back to the sources” throughout primary source textbook full or rich excerpts throughout church history. As an outcome of the course, students should have a general historical framework of the Christian faith, have an appreciation for how God has preserved The Bride of Christ, and how major personalities and ecclesiastical issues have shaped their Christian life today.

Context of the Bible

Grades 9 and 10

½ unit

Textbook: *Historical and Chronological Context of the Bible*

The purpose of this course is to give students a clear background knowledge of the cultural and historical context of the Bible, during both the Old and New Testament periods. This will help them understand the Story of the whole Bible better, as well as individual stories.

Systematic Theology

Grades 11 and 12

½ unit

Textbooks: *The Holy Bible: A Summary of Christian Doctrine* by Louis Berkhof; *A Little Book for New Theologians: Why and How to Study Theology* by Kelly M. Kapic

Systematic Theology is the study of God and all things in relation to God. In a classical Christian curriculum it is the Queen of the Sciences, the capstone of a long pursuit of truth and beauty. In this class students are guided by God's revelation to a deeper knowledge of Himself and learn to organize that knowledge in an organic way. Systematic theology is not memorization of facts about God, but it is rather the discipline of pursuing knowledge of God through communion with the Lord Jesus Christ. This communion with God of course leads to right action in our lives and vocations. As such, students will also spend time contemplating Christian Ethics before they go into the modern world for themselves.

Apologetics**Grades 11 and 12****½ unit**

Christian apologetics will teach students to defend their faith against unbelief from various quarters: atheism, naturalism, non-Christian religions, etc. After surveying a history of Christian apologetics, students will become familiar with the major schools of apologetics. They will also learn of competing worldviews and how to respond to each. Students should leave the class with a greater confidence in the Christian faith and their ability to defend it.

OTHER COURSES**Computer Applications and Programming I****½ unit****Grade 7****Textbook:** *Applied Digital Skills by Google (web-based)*

This course introduces applications software, including word processing, databases, spreadsheets, graphs, and their integration using Google Suite.

Computer Applications and Programming II**½ unit****Grade 8****Textbook:** *Applied Digital Skills by Google (web-based); Turtle Academy programming*

This course introduces foundation concepts in structured programming. Problem solving and algorithm development through pseudo code and flowcharting is emphasized. Solutions are developed using the basic control structures of sequential, decision, and iteration.

Physical Education and Health**1 unit****Grade 9**

This course is designed to challenge students mentally and physically while teaching teamwork fundamentals, perseverance, and providing the building blocks for lifelong healthy habits. Units of study include team sport skills and competitions as well as individual fitness-related activities. Students learn goal-setting and the satisfaction of personal improvement through fitness journals and other similar assignments.