

Online High School and Dual-Diploma Programs

Online Courses and Descriptions

Current online course availability is subject to the year and semester.

Mathematics

Pre-Algebra

Class covers: Maintaining skills in fundamental operations; Principles of mathematics; English and metric measures; Basic algebraic concepts; Signed numbers; Powers and roots; Like and unlike terms; Multiplying and dividing monomials; Problem-solving strategies; Word problems solved algebraically; Reading and constructing graphs; Graphical scale drawings; Statistics and probability; Business math; Earning income; Banking; Stocks and bonds; Insurance; Basic plane and solid geometric concepts; Properties of geometric figures; Constructing geometric figures; Perimeter, area, surface area, and volume; Pythagorean rule; Sine, cosine, and tangent; Scientific notation

Algebra I

Class covers: Linear equations in one variable; Algebraic numbers; Graphs; Formulas; Positive and negative numbers; Fundamental operations; Special products and factoring; Fractions; Ratio, proportion, and variation; Linear systems of equations; Powers and roots; Exponents and radicals; Quadratic equations; Numerical trigonometry; Mathematics in an Age of Science

Geometry

Class covers: Basics of Geometry; Reasoning and Proof; Perpendicular and Parallel Lines; Congruent Triangles; Properties of Triangles; Quadrilaterals; Transformations; Similarity; Right Triangles and Trigonometry; Circles; Area of Polygons and Circles; Surface Area and Volume

Algebra II

Algebra II is the bridge between Algebra I and higher level mathematics such as Trigonometry and Calculus. Students will be studying concepts mastered in Algebra I in more depth, as well as focusing on new concepts necessary in upper level mathematics courses. Specifically, over the course of a year, students will study equations, functions, inequalities, and their graphs, matrices, conic sections, sequences and series, probability and statistics, and basic trigonometry.

Pre-Calculus

Pre-Calculus is a year-long, academically rigorous course, with one semester a continuation of the Algebra curriculum, and the other semester covering trigonometry. The fundamental objectives are to help students truly understand the fundamental concepts of algebra, trigonometry, and analytical geometry, and to foreshadow important ideas of calculus. The use of technology will be strongly emphasized, as will standard analytical techniques. The course will use graphical, numerical, and algebraic modeling of functions.

English Grade 9

Ninth Grade Language Arts

Class covers: Grammar; Capitalization rules; Punctuation rules; Kinds of sentences and diagraming; Eight parts of speech and their uses; Diagraming eight parts of speech; Sentence structure

Composition

Class covers: Manuscript form; Writing process; The library; Outlining; Praxis Book reports; Paragraphs; Exposition; Writing letters; Character sketch and type sketch; The research paper; Improving writing style

Vocabulary, Spelling, Poetry

Class covers: Vocabulary lessons; Weekly spelling lessons; Ten poems memorized

Literature

Classics on the following themes: truth and wisdom, courage, humility, justice, temperance, beauty, joy and peace, faith and hope, love, and time and eternity. Reading for enjoyment stories and poems by such authors as Whittier, Bryant, Tennyson, Hale, Keats, Milton, Rossetti.

English Grade 10

Tenth Grade Language Arts

Class covers: Grammar; Capitalization and punctuation rules; Kinds of sentences and diagraming; Eight parts of speech and their uses; Diagraming eight parts of speech; Sentence structure; Dictionary skills, usage and diction

Composition

Paragraphs, exposition, the library and research paper, outlining, improving writing style, book reviews, précis, character sketch and type sketch

Vocabulary, Spelling, Poetry

Vocabulary lessons; Weekly spelling lessons; Ten poems memorized

World Literature

Classics by such authors as Dickens, Browning, Millay, Holmes, Poe, Doyle, Yeats, Tolstoy, Herbert; Introduction to art appreciation; Introduction to literary terms and forms: short story, narrative poetry, plot, imagery and figurative language, theme, rhyme and rhythm, emotion; fixed, continuous, and free form poetry; paradox, setting, point of view, tone; Major works in historical order; Authors such as Homer, Aesop, Virgil, Foxe, Huss, Luther, Milton, Bunyan, Newton, Machen; Complete novel: Silas Marner; Complete play: Julius Caesar

English Grades 11 and 12

Composition and Literature

Students will write expository, analytical, and argumentative papers in response to a variety of prompts. Students will write in the following modes: descriptive, narrative, persuasive, and expository. Literature

will include American and British authors in a variety of genres including short stories, fiction, non-fiction, and poetry.

Advanced Placement (AP) English Literature:

Advanced Placement English Literature is a college-level course with a curriculum set by the College Board. From the College Board:

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Reading in an AP course is both wide and deep. This reading necessarily builds upon the reading done in previous English courses. In their AP course, students read works from several genres and periods—from the sixteenth to the twenty-first century—but, more importantly, they get to know a few works well. They read deliberately and thoroughly, taking time to understand a work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form.

Writing to understand a literary work may involve writing response and reaction papers, along with annotation, freewriting, and keeping some form of a reading journal. Writing to explain a literary work involves analysis and interpretation and may include writing brief focused analyses on aspects of language and structure. Writing to evaluate a literary work involves making and explaining judgments about its artistry and exploring its underlying social and cultural values through analysis, interpretation, and argument.

Science Grade 9

Physical Science

Meteorology and Oceanography; The Atmosphere; Earth's Weather A Survey of the Seas

Chemistry

Foundations of Chemistry; Molecules and Chemistry; Chemistry in Action

Geology

Foundations of Geology; Rocks and Minerals; Weathering and Erosion; Interpreting the Fossil Record

Physics

Mechanics: Physics of Motion; Waves and Sound; Light and Color; Electrostatics and Magnetism; Electricity Electronics

Health

Nutrition and exercise; Personal hygiene; Body systems; Mental health; Personal safety; First aid Disease prevention; Drug abuse; Right relationships; Spiritual growth

Science Grade 10

Biology

Botany; Flowering Seed Plants; Structure and Function of Leaves; Flowers, Fruits, and Seeds; Stems and Roots; Variety in Plant World

Human Anatomy and Physiology

Fearfully and Wonderfully Made; Bones and Muscles; Nervous System; Nutrition and Digestion; Circulation and Respiration; Integumentary, Excretory, and Endocrine Systems; Disease and the Body's Immune System

Life Sciences

Natural History and Scientific Investigation; Evolution: A Retreat from Science; Why I Accept the Genesis Record

Zoology

Mammals; Birds; Reptiles and Amphibians; Fish; Arthropods; Variety in the World of Invertebrates

Cellular and Molecular Biology

Cytology; Heredity; DNA

Science Grade 11

Chemistry

Chemistry is the study of science that deals with the study of the composition, structure, and properties of matter and the different states and changes the matter can undergo. In addition to studying matter and its elemental properties, chemical reactions and their causes will also be studied. The scientific laws that govern matter and energy will also be discussed. Lastly, the different types of chemistry will be looked at. While these topics are being discussed, there will be an overall teaching of how chemistry relates to the creation of God and the importance of it.

Science Grade 12

Anatomy and Physiology

Anatomy and Physiology will cover the basic systems of the human body. Topics covered include: Histology, the study of tissues; Skin and bones, the integumentary and skeletal systems; Skeletal system histology and movement; Muscle histology and physiology; The Skeletal Muscle System; The Nervous System, neurons and neuroglia; The Central Nervous System; The Peripheral Nervous System; The Endocrine System; The Circulatory System; The Lymphatic System; The Digestive System; The Respiratory System; The Urinary System; The Reproductive System

Physics

Our Physics class uses the ABeka Book Physics and Conceptual Physics by Hewitt. This class “engages students with analogies and imagery from real-world situations to build a strong conceptual understanding of physical principles ranging from classical mechanics to modern physics. With this strong conceptual foundation, students are better equipped to understand the equations and formulas

of physics, and to make connections between the concepts of physics and their everyday world.” —
Conceptual Physics

Social Studies Grade 9

World Geography (one semester)

Introduction to Geography

Asia: The Middle East, Central and Southern Asia, The Far East; Africa: Northern Africa, Tropical Africa, Southern Africa; Europe: Mediterranean Europe, Central Europe, the Low Countries, the British Isles, Scandinavia, Russia and Eastern Europe; Australia, the Pacific Islands, and Antarctica; North America: Canada, the United States, Mexico and Middle America; South America: Andean Countries, Brazil and the Guianas,; Southern Mid-Latitude Countries; Current events

Social Studies Grade 10

World History

Asia and Africa: The Beginnings of Civilization; Foundations Other Asian Cultures; Sumer Egypt; The Fertile Crescent Other African Cultures; Europe: Beginnings of Western Civilization; Greece Early Church History; Rome The Byzantine Empire; The Middle Ages: From the Ancient to the Modern; The Dark Ages; Medieval Culture; The Rise of Modern Nations

The Reformation Era

The Protestant Reformation; Post-Reformation Europe and the New World; Post-Reformation Science and Culture

The Age of Ideas

France; England and America; The Age of Industry; The Victorian Era; Unbelief and Revolution in 19th Century Europe

The Twentieth Century

World War I, The Rise of Communism; 20th-Century Liberalism; World War II; The Cold War Era; The Rise of Globalism; Current events

Social Studies Grade 11

U.S. History

The eleventh graders will be presented with the history of America from the 1490s to the 1990s with special emphasis on the personalities and events that shaped the American character. A variety of illustrations, maps, and photographs will invite students to explore the past of U.S. history. Through the story of America’s rise to greatness, students will learn to recognize the hand of God in history and to appreciate the influence of Christianity in government, economics, and society.

Social Studies Grade 12

Government and Economics

This course is designed to have a conservative, Christian perspective. Students need the firm foundation this course provides to become informed, responsible citizens and voters in today's world. This course will promote patriotism by opening with an inspiring look at the blessings we enjoy and the symbols we hold dear as American citizens. This course centers on the Constitution because at the core of the text is a fascinating study of the Constitution, the government it established, and the rights and privileges it guarantees the American people. This course will also challenge students to get involved because after studying the Constitution and the national government, students learn about federalism and government at the state and local levels. The text concludes with a chapter on the opportunities and responsibilities of American citizens to get involved in their unique political system.

The semester on Economics covers essential concepts such as competition in the marketplace and private ownership of capital, which are discussed from a conservative perspective. The Biblical views of work, wealth, and stewardship appear throughout the book.

Foreign Languages

Spanish I

Spanish II

Spanish III

Greek

Bible Grade 9

Semester 1 – “Life Fully”

During the first semester, our ninth grade students will be led in relevant study regarding how to live the Christian life to its fullest. This class will introduce the differing worldview and how they effect the thinking of those that adhere to them. It will also teach students how to effectively live their faith in a world that screams that God is not relevant to their daily lives. Ultimately, it teaches students how to recognize the downfalls of secular culture and how to boldly stand up for their Christian faith.

Semester 2 – “Blueprints”

During the second semester, our ninth graders will study the second part of the “Live Fully” curriculum, which is entitled “Blueprints.” This course teaches our students how to prepare themselves each day to be successful in their Christian life. It teaches the importance of Godly decision making, the need to set their foundation on Christ, and the impact that a “rocky foundation” will have on them for the rest of their lives. This is a practical application course and strives to continue teaching our students to make their faith their own.

Bible Grade 10

Semester 1 & 2 – The book of Genesis

During this in-depth, year long study in the book of Genesis, our students will walk through each chapter, reading and studying every verse present. Students will begin the year with an in-depth study of the creation account, the differing views on creation, and what can be determined about creation based on what the Bible teaches. Then, specific emphasis will be placed on the patriarchs and the covenants between them and God that are present throughout the book. This course will give students an excellent, college level understanding of the “book of beginnings,” how humanity began, how the nation of Israel came into existence, and the lessons that God intends us to learn by looking at the lives of those present during that time.

Bible Grade 11

Semester 1 – “Understanding the Times”

During the first semester, our juniors will embark on the journey of studying and understanding the six major worldview that are present in our world. They will study the impact of each worldview in previous cultures and in our present world as well. This course will give significant background information regarding the origination of each worldview, how it became a prevalent belief system, what its strong points are, and what its weaknesses are. Then, it will compare each worldview to Christianity in an effort to determine the similarities and differences. Finally, it will authenticate Christianity by having students look at the world as it actually exists, look at the doctrines of each worldview, compare them to Christianity, and determine that Christianity accurately answers the questions of and reflects the truth about the world around us.

Semester 2 – “Ethics and Evangelism”

During the second semester, our juniors will take an ethics and evangelism course. During the first nine weeks, this course will cover topics such as capital punishment, euthanasia, abortion, marriage, divorce, homosexuality, pre-marital sex, pornography, and suicide. It will look at the ethical dilemmas that each of these topics present to the Christian and how they should be approached. The course will provide material that supports both sides of these arguments and then will end the discussion on each topic by thoroughly examining what the Bible teaches about each issue.

After completing the first half of the semester, students will end their junior year in Bible class with an in-depth nine-week study on how to effectively share their faith. They will learn how to write and share their testimony, how to practice servant evangelism and how to effectively witness to people who need to hear about the love of Jesus. In addition, they will learn effective methods for sharing their faith, such as the “Romans Road,” “Share Jesus without Fear,” and “One Verse Evangelism.”

Bible Grade 12

Semester 1 & 2 – Systematic Theology

Our seniors will engage in a year-long, in-depth study of the major doctrines of the Christian faith. Systematic theology is an approach to doing theology that integrates biblical, historical, philosophical, psychological and practical insights into a coherent belief system. We also emphasize the application of theology to real-life situations. Most importantly, though, we answer the questions regarding the

existence of God, the reliability of the Bible, the truth of Jesus, and how we can defend our faith to those who do not believe.

UNIT 1: Prolegomena – INTRODUCTORY MATTERS of Systematic Theology

UNIT 2: Bibliology – The Doctrine of SCRIPTURE

UNIT 3: Theology Proper – The Doctrine of GOD

UNIT 4: Christology – The Doctrine of CHRIST

UNIT 5: Pneumatology – The Doctrine of the HOLY SPIRIT

UNIT 6: Anthropology – The Doctrine of MAN

UNIT 7: Hamartiology – The Doctrine of SIN

UNIT 8: Soteriology – The Doctrine of SALVATION & SANCTIFICATION

UNIT 9: Ecclesiology – The Doctrine of the CHURCH

UNIT 10: Angelology – The Doctrine of ANGELS

UNIT 11: Eschatology – The Doctrine of FINAL STATES