

Cornerstone Christian Schools Online School Course Content

Course Offerings for 9th – 12th Grade

Bible

9 th – New Testament Survey	
<p>OVERVIEW</p> <p>New Testament Survey provides a developmental and in-depth academic study of the teachings of the New Testament from the Intertestamental period (prior to the birth of Christ) to the book of Revelation. The survey emphasizes the most important people, places, and events in the development and expansion of the Church. The course also includes material on Christian suffering, witnessing, and the will of God. New Testament Survey targets four major strands: theology, biblical literature, biblical background, and Christian growth.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Understand the background of the New Testament. • Identify key people, places, and events in the New Testament. • Provide the setting and purpose for each New Testament book. • Understand the importance of the Church. • Identify the various apostles and their particular ministries. • Understand the biblical approach to suffering. • Tell others about the Gospel with more knowledge and confidence. 	<p>UNITS</p> <ol style="list-style-type: none"> 1. INTRODUCTION TO THE NEW TESTAMENT 2. THE GOSPELS 3. THE ACTS OF THE APOSTLES 4. THE PAULINE EPISTLES 5. THE GENERAL EPISTLES 6. THE REVELATION OF JESUS CHRIST 7. BIBLICAL LITERATURE: JOB AND SUFFERING 8. HOW TO SHARE CHRIST WITH YOUR FRIENDS 9. GOD'S WILL FOR YOUR LIFE 10. REVIEW

10 th – Old Testament Survey	
<p>OVERVIEW</p> <p>Old Testament Survey provides a developmental and in-depth academic study of the teachings of the Old Testament, from the creation of the world (Genesis) to the restoration of Israel and the ministry of its post-exilic prophets (Malachi). The survey emphasizes the most important people, places, and events in the development and decline of the nation of Israel. These areas target three content strands: theology, biblical literature, and biblical background.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Identify the key people, places, and events of the Old Testament. • Provide the setting and purpose for each Old Testament book. • Identify the different eras in the history of Israel. • Appreciate the importance of the nation of Israel. • Describe the rise and fall of the kingdoms of Judah and Israel. • Identify the various prophets with the era in which they ministered. 	<p>UNITS</p> <ol style="list-style-type: none"> 1. CREATION TO ABRAHAM 2. ABRAHAM THROUGH JOSEPH 3. THE EXODUS AND WANDERINGS 4. ISRAEL IN CANAAN 5. THE JUDGES AND SPIRITUAL DECLINE 6. THE KINGDOM 7. THE DIVIDED KINGDOM 8. THE REMAINING KINGDOM 9. THE CAPTIVITY 10. THE RESTORATION

11 th – Bible Doctrine	
<p>OVERVIEW</p> <p>Bible Doctrine provides a developmental and in-depth academic study of the teachings of the Old and New Testaments, focusing on important topics including the faithfulness of God; the doctrine of Christ; the nation of Israel; the history and integrity of the Bible; the pursuit of happiness; and friendship, dating, and marriage. There is also a special emphasis on the book of Romans. These areas target four content strands: theology, the attributes of God, Christian growth, and Christian evidences.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Explain the meaning of God's faithfulness to His people. • Identify the key themes for understanding the book of Romans. • Discuss the unique features of Christ's person and work. • Describe the development and role of the nation of Israel. • Describe the development of the Old and New Testaments into one book. • Identify the essential components of successful relationships. • Know how to avoid the failures of Solomon's pursuit of happiness. • Answer critics concerning the truthfulness of the Bible. 	<p>UNITS</p> <ol style="list-style-type: none"> 1. THE FAITHFULNESS OF GOD 2. ROMANS PART I 3. ROMANS PART II 4. THE DOCTRINE OF JESUS CHRIST 5. THE NATION OF ISRAEL 6. THE HISTORY OF THE CANON 7. FRIENDSHIP, DATING, AND MARRIAGE 8. THE PURSUIT OF HAPPINESS 9. APOLOGETICS 10. REVIEW

Cornerstone Christian Schools Online School Course Content

12th – Christian Faith and Living

OVERVIEW

Christian Faith and Living applies what students have learned in their study of the teachings of the Old and New Testaments. The course focuses on personal Christian ministry, the nature of God, comparative religions, and the writings of James, John, David, Solomon, and Daniel. These areas target three content strands: the attributes of God, biblical literature, and Christian growth.

Upon completion of the course, students should be able to do the following:

- Understand the unique identity of a Christian.
- Pursue the various opportunities to serve as a Christian.
- Explain the Christian view of the Trinity.
- Identify the meaning of James' and John's letters.
- Describe the contents of the book of Daniel.
- Contrast Christianity with other religions of the world.
- Use God's wisdom to solve problems among today's youth.
- Identify the practical steps toward successful Christian living.

UNITS

1. KNOWING YOURSELF
2. CHRISTIAN MINISTRIES
3. CHOOSING A MINISTRY
4. GODHEAD
5. THE ATTRIBUTES OF GOD: HOLINESS AND GOODNESS
6. THE EPISTLES OF JAMES AND JOHN
7. BIBLICAL LITERATURE (DANIEL)
8. COMPARATIVE RELIGIONS
9. WISDOM FOR TODAY'S YOUTH
10. PRACTICAL CHRISTIAN LIVING

Cornerstone Christian Schools Online School Course Content

ENGLISH

9TH – English 9

OVERVIEW

English I continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:

- **Reading**—reinforces reading comprehension skills by teaching students how to understand and appreciate poetry, drama, informative nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of drama, a novel, and selections from well-known poetry, and short stories.
- **Writing**—further students' understanding of sentence structures; reviews parts of speech and their types, including in-depth studies on verbs (transitive, intransitive, conjugation, tense, voice, mood); develops students' understanding of the types and functions of phrases and clauses; teaches language history and etymology to help students build on knowledge of word structures, including prefixes, roots, and suffixes; expands on students' vocabulary skills; reviews spelling skills; gives students the opportunity to develop their abilities in writing speeches, short essays, poetry, friendly/business letters, and short stories.
- **Speaking**—offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving these skills together throughout the course.
- **Listening**—teaches effective listening comprehension skills, weaving these together throughout the lessons.

UNITS

1. THE STRUCTURE OF LANGUAGE
2. THE NATURE OF LANGUAGE
3. WORDS AND WRITING
4. PARAGRAPHS, ESSAYS, AND RESEARCH REPORTS
5. SHORT STORIES
6. STRUCTURE AND MEANING IN PROSE AND POETRY
7. COMMUNICATION
8. DRAMA
9. STUDIES IN THE NOVEL
10. REVIEW

10TH – English 10

OVERVIEW

English II continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It focuses on deepening and furthering students' understanding in the following ways:

- **Reading**—reinforces reading comprehension skills by teaching students how to comprehend and appreciate poetry, drama, nonfiction, and fiction; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative prose; guides students through readings of the allegory *Everyman* and Sheldon's *In His Steps*, as well as selections of and excerpts from well-known poetry and short stories.
- **Writing**—develops students' understanding of complex sentence and paragraph structures, providing hands-on experience with connectives, transitions, phrases, and clauses; teaches language history and etymology to help students build on knowledge of grammar and word structures; expands on students' vocabulary skills; gives students the opportunity to develop their abilities in writing a set of instructions, a literary critique, a poem, a short story, and a speech.
- **Speaking**—offers students experience in delivering a speech; teaches skills that enable students to become effective speakers and communicators, weaving the skills throughout the course.
- **Listening**—teaches effective listening comprehension skills, integrating these throughout the lessons.
- **Special Topics**—incorporates research skills, including internet, library, and reference material use, throughout the curriculum.

UNITS

1. LANGUAGE STRUCTURE
2. WRITING EFFECTIVE SENTENCES
3. WRITING AND READING SKILLS
4. SPEAKING AND LISTENING
5. THE DEVELOPMENT OF ENGLISH
6. THE SHORT STORY
7. STUDIES IN THE NOVEL
8. DRAMA
9. POETRY
10. REVIEW

Cornerstone Christian Schools Online School Course Content

11 th – English 11	
<p>OVERVIEW</p> <p>English III continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:</p> <ul style="list-style-type: none"> • Reading—reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, nonfiction, poetry, and drama; discusses common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through readings of Thornton Wilder's <i>Our Town</i> (play) and Lee's <i>To Kill a Mockingbird</i> as well as selections of and excerpts from well-known poetry and nonfiction pieces. • Writing—develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence construction errors and methods for avoiding them; provides practice in standard and nonstandard English, as well as specialized language use; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, personal essays, poetry, and research papers. • Special Topics—incorporates research skills, including internet, library, and reference material use, throughout the curriculum. 	<p>UNITS</p> <ol style="list-style-type: none"> 1. LEARNING AND USING STANDARD ENGLISH 2. SENTENCE ELEMENTS 3. CLEAR CONNECTIONS: A WRITING WORKSHOP 4. MEANING AND MAIN IDEAS 5. POETRY 6. NONFICTION 7. AMERICAN DRAMA 8. THE AMERICAN NOVEL 9. RESEARCH 10. REVIEW

12 th – English 12	
<p>OVERVIEW</p> <p>English IV continues to build on the sequential development and integration of communication skills in four major areas—reading, writing, speaking, and listening. It most specifically focuses on deepening and furthering students' understanding in the following ways:</p> <ul style="list-style-type: none"> • Reading—reinforces reading comprehension skills by teaching students comprehension techniques for literary fiction, poetry, and drama, including discussion of common literary devices; shows students how to analyze, evaluate, and interpret a text; reinforces awareness of the elements and structure of narrative and expository prose; guides students through English literary history, including readings of Shakespeare's <i>Hamlet</i>, Milton's <i>Paradise Lost</i>, <i>Beowulf</i>, Bunyan's <i>The Pilgrim's Progress</i>, and other selections of and excerpts from major English literary figures. • Writing—develops students' writing skills by teaching about clauses and phrases in sentence structures; reviews common sentence and paragraph construction errors and methods for avoiding them; teaches Greek and Latin roots and prefixes to enhance vocabulary and spelling skills; expands students' abilities to write cohesive and coherent expository prose; gives students the opportunity to develop their abilities in writing literary critiques, poetry, short stories, and expository prose. • Listening—teaches effective listening comprehension skills, weaving these throughout the lessons; builds upon students' study skills as well as helps them to become reliable and efficient note takers. • Special Topics—incorporates research skills, including internet, library, and reference material use, throughout the curriculum. 	<p>UNITS</p> <ol style="list-style-type: none"> 1. THE WORTH OF WORDS 2. THE STRUCTURE OF LANGUAGE 3. READING AND RESEARCH 4. LANGUAGE, GOD'S GIFT TO MAN 5. MEDIEVAL ENGLISH LITERATURE 6. ELIZABETHAN LITERATURE 7. 17th- AND 18th-CENTURY ENGLISH LITERATURE 8. ROMANTIC AND VICTORIAN POETRY 9. CREATIVE WRITING 10. REVIEW

Cornerstone Christian Schools Online School Course Content

HISTORY

9 TH – World Geography	
<p>OVERVIEW</p> <p>World Geography takes students on a journey around the world in which they will learn about the physical and human geography of various regions. They will study the history of each region and examine the political, economic, and cultural characteristics of the world in which we live. Students will also learn about the tools and technologies of geography such as globes, maps, charts, and global information systems.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Select and use geographic tools to get information and make predictions. • Compare places based upon their similarities and differences. • Identify geographic factors that influenced historic events. • Evaluate the interrelatedness and interdependence of physical and human systems and their impact on our earth. • Analyze the role played by culture in the spatial organization of the earth. • Define the key geographic concerns facing the world and strategize methods to deal with these issues in the future. <p>Students will also gain practice in writing and note-taking. They will be asked to create graphic organizers, conduct research, analyze information, and write essays on topics such as current events, energy resources, national parks, and more.</p>	<p>UNITS</p> <ol style="list-style-type: none"> 1. INTRODUCTION TO GEOGRAPHY 2. HUMAN GEOGRAPHY 3. NORTH AMERICA 4. CENTRAL AMERICA, SOUTH AMERICA, AND THE CARIBBEAN 5. OCEANIA, AUSTRALASIA, AND ANTARCTICA 6. WESTERN EUROPE 7. EASTERN EUROPE AND RUSSIA 8. SUB-SAHARAN AFRICA 9. NORTH AFRICA AND SOUTHWEST ASIA 10. CENTRAL, SOUTH, EAST, and SOUTHEAST ASIA
10 TH – World History	
<p>OVERVIEW</p> <p>World History continues the process of developing in students an understanding of and appreciation for God’s activity as seen in the record of man and his relationships. With an emphasis on Western Europe, the course surveys ancient civilizations to the end of the 20th century, highlighting early Christianity (through the Reformation) and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies Skills.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Understand Western civilization from its beginnings to the present day. • Understand the significant political and economic transformations and significant cultural and scientific events in Europe during the Renaissance. • Understand significant religious and societal issues from the Renaissance through the Reformation. • Understand the significant social and political developments in Europe and America brought on by the English, American, and French Revolutions. • Understand the effects of the Industrial Revolution. • Analyze major historical and political events of the 20th century, including the two World Wars, the Cold War, and the Vietnam War. <p>Additionally, students will gain practice in report-writing, covering topics like the rise of Christianity, the U.S. Constitution, and communism versus free enterprise, the United Nations, and more.</p>	<p>UNITS</p> <ol style="list-style-type: none"> 1. ANCIENT CIVILIZATIONS I 2. ANCIENT CIVILIZATIONS II 3. THE MEDIEVAL WORLD 4. RENAISSANCE AND REFORMATION 5. GROWTH OF WORLD EMPIRES 6. THE AGE OF REVOLUTION 7. THE INDUSTRIAL REVOLUTION 8. TWO WORLD WARS 9. THE CONTEMPORARY WORLD 10. ANCIENT TIMES TO THE PRESENT

Cornerstone Christian Schools Online School Course Content

11 th American History	
<p>OVERVIEW</p> <p>American History continues the process of developing in students an understanding of and appreciation for God’s activity as seen in the record of man and his relationships. The course covers early American exploration to the present day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government and Citizenship.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Understand how conflict between the American colonies and Great Britain led to American independence. • Understand political, economic, and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution. • Explain how political, economic, and social changes in the U.S. led to conflict among sections of the United States in the 19th century. • Describe the causes and effects of the Civil War and its aftermath. • Describe the causes and effects of both World Wars. • Understand some of the key challenges facing American society in the late 20th and early 21st centuries. <p>Additionally, students will gain practice in writing essays and reports, covering topics like the Monroe Doctrine, the states’ rights debate, the Lincoln-Douglas debates, isolationism, the New Deal, the Korean conflict, and more.</p>	<p>UNITS</p> <ol style="list-style-type: none"> 1. FOUNDATIONS OF THE AMERICAN REPUBLIC 2. DEVELOPMENT OF CONSTITUTIONAL GOVERNMENT 3. NATIONAL EXPANSION 4. A NATION DIVIDED 5. A NATION DIVIDED AND UNITED 6. UNITED STATES INVOLVEMENT AT HOME AND ABROAD 7. THE SEARCH FOR PEACE 8. A NATION AT WAR 9. CONTEMPORARY AMERICA 10. UNITED STATES HISTORY REVIEW

12 th Government & Economics	
<p>OVERVIEW</p> <p>Government and Economics continues the process of developing in students an understanding of and appreciation for God’s activity as seen in the record of man and his relationships. The course focuses on two major areas: Government, with special emphasis on American government, and Economics, with special emphasis on personal finance. These areas of focus target three major content strands: History, Government and Citizenship, and Economics.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Understand the basics of various philosophies of government. • Understand the structure and functions of government and how the principles and values of American democracy (e.g., limited government and popular sovereignty) are reflected in American constitutional government. • Understand how the overall design, as well as specific features of the U.S. Constitution prevent the abuse of power by using a system of checks and balances (e.g., federalism). • Understand the role of political parties, the media, and the public on the political process. • Know the characteristics of different economic systems (e.g., capitalism, mixed economy, communism). • Understand basic terms associated with economic performance and the state of the economy (e.g., supply and demand, inflation, monopoly). <p>Additionally, students will gain practice in writing essays and reports, covering topics like elected officials, the Supreme Court, Christians in politics, on-line banking, the euro, and more.</p>	<p>UNITS</p> <p>Government</p> <ol style="list-style-type: none"> 1. INTERNATIONAL GOVERNMENTS 2. UNITED STATES GOVERNMENT 3. THE AMERICAN PARTY SYSTEM 4. HISTORY OF GOVERNMENTS 5. THE CHRISTIAN AND HIS GOVERNMENT <p>Economics</p> <ol style="list-style-type: none"> 1. FREE ENTERPRISE 2. BUSINESS AND YOU 3. THE STOCK MARKET 4. BUDGET AND FINANCE 5. BANKING & INTERNATIONAL ISSUES

Cornerstone Christian Schools Online School Course Content

MATH

9 th – Algebra I	
<p>OVERVIEW</p> <p>Algebra I is a full year, high school credit course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.</p> <p>Upon successfully completing the course, the student should have mastered the following concepts:</p> <ul style="list-style-type: none">• Solve single variable, absolute value, and linear systems of equations.• Solve and graph single variable, absolute value, and linear inequalities.• Evaluate, solve, and graph linear and quadratic functions as well as conceptualize the relationship between the independent and dependent variable of a function.• Understand and know how to apply the distance, midpoint, and slope formulas as well as the Pythagorean Theorem.• Form an equation of a line using the slope-intercept, point-slope and standard forms of a line.• Organize data in the form of a table or matrix; perform complex matrix operations such as multiplication, evaluating the determinant, and solving a system of linear equations using Cramer's Rule.• Apply basic fundamental rules of exponents.• Be able to construct a formula or equation necessary to solve algebraic word problems involving area, perimeter, and linear systems of equations, basic probability and statistical reasoning, distance, and compounding interest.• Evaluate rational expressions and solve equations with rational expressions.• Simplify and perform operations with radical expressions and polynomials.	<p>UNITS</p> <ol style="list-style-type: none">1. FOUNDATIONS OF ALGEBRA2. LINEAR EQUATIONS3. FUNCTIONS4. INEQUALITIES5. LINEAR SYSTEMS6. POLYNOMIALS7. EXPONENTIAL AND RADICAL FUNCTIONS8. QUADRATICS9. RATIONAL EXPRESSIONS10. PROBABILITY AND STATISTICS

10 th – Geometry	
<p>OVERVIEW</p> <p>Geometry is a full year, high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.</p> <p>By the end of the course, students will be expected to do the following:</p> <ul style="list-style-type: none">• Understand defined terms, axioms, postulates, and theories.• Apply rules of formal logic and construct proofs in two-column format.• Know how to solve for angles given parallels, perpendiculars, and transversals.• Demonstrate how to solve for sides and angles of triangles, quadrilaterals, and polygons.• Understand trigonometric ratios and know how to use them to solve for unknown sides and angles in given triangles as well as application word problems.• Be able to determine arcs, chords, and sectors of circles.• Calculate perimeter, area, and volume of figures and solids.• Graph lines and determine slopes, midpoints, and distances.• Make geometric constructions on paper.• Represent results of motion geometry (translation, rotation, reflection, dilation).	<p>UNITS</p> <ol style="list-style-type: none">1. INTRODUCTION2. LOGIC3. ANGLES AND PARALLELS4. CONGRUENT TRIANGLES AND QUADRILATERALS5. SIMILAR POLYGONS6. CIRCLES7. AREA AND VOLUME8. COORDINATE GEOMETRY9. TRANSFORMATIONS10. REVIEW

Cornerstone Christian Schools Online School Course Content

11 th – Algebra II	
<p>OVERVIEW</p> <p>Algebra II is a full-year, high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.</p> <p>By the end of the course, students will be expected to do the following:</p> <ul style="list-style-type: none">• Understand set notation and the structure of mathematical systems.• Know how to use functional notation and operations on functions.• Simplify and solve algebraic fractions.• Perform operations on polynomials, including factoring, long division, and synthetic division.• Solve algebraic word problems involving mixtures, money, integers, and work.• Evaluate and solve radical expressions and equations.• Solve systems of equations with graphing, substitution, and matrices.• Graph and solve quadratic equations, including conic sections.• Graph and solve exponential and logarithmic equations.• Calculate permutations, combinations, and complex probabilities.	<p>UNITS</p> <ol style="list-style-type: none">1. SET, STRUCTURE, AND FUNCTION2. NUMBERS, SENTENCES, AND PROBLEMS3. LINEAR EQUATIONS AND INEQUALITIES4. POLYNOMIALS5. ALGEBRAIC FRACTIONS6. REAL NUMBERS7. QUADRATIC RELATIONS AND SYSTEMS8. EXPONENTIAL FUNCTIONS9. COUNTING PRINCIPLES10. REVIEW
12 th – Pre-Calculus	
<p>OVERVIEW</p> <p>Pre-calculus is a full-year, high school credit course that is intended for the student who has successfully mastered the core algebraic and conceptual geometric concepts covered in the prerequisite courses: Algebra I, Geometry, and Algebra II. The course primarily focuses on the skills and methods of analytic geometry and trigonometry while investigating further relationships in functions, probability, number theory, limits, and the introduction of derivatives.</p> <p>Upon successfully completing the course, students should have mastered the following concepts:</p> <ul style="list-style-type: none">• Perform operations on functions including composition and inverses.• Graph, evaluate, and solve exponential and logarithmic functions and equations.• Utilize the unit circle in evaluating trigonometric identities; prove trigonometric identities; graph trigonometric functions and their inverses.• Solve application problems involving right triangle trigonometry, special right triangles, and law of sines and cosines.• Convert between Cartesian and polar forms; graph equations in polar coordinates.• Graph and solve quadratic equations that include conic sections.• Calculate probabilities, combinations, and permutations.• Calculate summations and limits of functions.• Relate analytical operations of limits, slope of a tangent line, and the definition of a derivative.	<p>UNITS</p> <ol style="list-style-type: none">1. RELATIONS AND FUNCTIONS2. FUNCTIONS3. TRIGONOMETRIC FUNCTIONS4. CIRCULAR FUNCTIONS AND THEIR GRAPHS5. IDENTITIES AND FUNCTIONS OF MULTIPLE ANGLES6. APPLICATION OF TRIGONOMETRIC FUNCTIONS7. INVERSE TRIGONOMETRIC FUNCTIONS AND POLAR COORDINATES8. QUADRATIC EQUATIONS9. PROBABILITY10. CALCULUS AND REVIEW

Cornerstone Christian Schools Online School Course Content

Math Models with Applications

OVERVIEW

Math Models is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Math Models focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics. In Math Models with Applications, students continue to build on Algebra I and Geometry foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, to model information, and to solve problems from various disciplines. Students use mathematical methods to model and solve real-life applied problems involving money, data, chance, and patterns. Students also use probability, statistics and connections among these to solve problems from a wide variety of advanced applications in both mathematical and nonmathematical situations. Students use a variety of representations to link modeling techniques and purely mathematical concepts and to solve applied problems.

Objectives: Students should be able to use mathematical models to resolve situations in our daily living. Upon completion of the course, students should be able to do the following:

- Use basic math operations on and applications of fractions, decimals, and percents.
- Create and Interpret various math models using graphs and charts.
- Understand sets and basic set theory.
- Calculate simple probabilities.
- Calculate statistical measures of variation.
- Use similarity and right triangle ratios for indirect measurement.
- Calculate taxes, discounts, and interest amounts.
- Apply math to everyday concerns, as well as to the realms of business and government.

UNITS

1. BASIC MATH REVIEW
2. PERSONAL FINANCE
3. STATISTICS
4. TAXES AND INSURANCE
5. BANKING SERVICES AND INVESTMENTS
6. BANKING AND CREDIT COSTS
7. PURCHASE AND SALE OF GOODS
8. LEISURE, TRAVEL, AND RETIREMENT
9. JOB RELATED SERVICES
10. MATH MODELS REVIEW

Cornerstone Christian Schools Online School Course Content

SCIENCE

9 th – Earth and Space Science	
<p>OVERVIEW</p> <p>Earth Science is a high school science course that explores Earth’s structure, interacting systems, and place in the universe. The course uncovers concepts and processes found in:</p> <p>Astronomy – Earth’s place in and interaction with space, Geology – physical structure and dynamic processes, Meteorology – atmosphere, weather and climate, and Oceanography – oceans and marine life.</p> <p>Students will have the opportunity to evaluate and explore many scientific concepts by participating in interactive lab sessions, conducting hands-on activities, and completing projects designed to improve the understanding of Earth and its dynamic functions.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none">• Gain increased awareness about where Earth came from, how Earth functions and sustains life, and how the many systems and processes of Earth rely on and balance one another.• Improve scientific evaluation skills and apply them to the study of Earth’s physical geography and dynamic processes.• Discover tools that allow for the study of Earth and its further exploration.	<p>UNITS</p> <ol style="list-style-type: none">1. DYNAMIC STRUCTURE OF EARTH2. FORCES AND FEATURES OF EARTH3. FEATURES OF EARTH'S CRUST4. SHAPING EARTH'S CRUST5. EARTH'S WATER6. EARTH'S ATMOSPHERE7. EARTH'S WEATHER AND CLIMATE8. ASTRONOMY9. SPACE10. SEMESTER REVIEW AND EXAM

10 th – Biology	
<p>OVERVIEW</p> <p>Biology is intended to expose students to the designs and patterns of living organisms that have been created by God. In preceding years, students should have developed a foundational understanding of life sciences. This biology course will expand upon that knowledge and incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, botany, human anatomy and physiology, and ecological principles.</p> <p>Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.</p> <p>Biology should be preceded or accompanied by an Algebra I course.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none">• Classify different animals using taxonomy.• Demonstrate a knowledge of molecular structure as it relates to organic compounds.• Use a microscope to study microscopic organisms.• Describe cells, their different parts, and the function of a cell.• Discuss the different parts of a plant.• Describe and explain the function of each system in the human body.• Perform Punnett square functions to determine probability of inheritance.• Differentiate between mitosis and meiosis and between asexual and sexual reproduction.• Understand the impact man has on the environment.	<p>UNITS</p> <ol style="list-style-type: none">1. TAXONOMY: KEY TO ORGANIZATION2. CHEMISTRY OF LIFE3. CELLS4. CELL DIVISION AND REPRODUCTION5. GENETICS: GOD'S PLAN OF INHERITANCE6. MICROBIOLOGY7. PLANTS: GREEN FACTORIES8. HUMAN ANATOMY AND PHYSIOLOGY9. ECOLOGY, POLLUTION, AND ENERGY10. PRINCIPLES AND APPLICATIONS OF BIOLOGY

Cornerstone Christian Schools Online School Course Content

11 th – Chemistry	
<p>OVERVIEW</p> <p>Chemistry is intended to expose students to the designs and patterns in the world that God has created. In preceding years, students should have developed an understanding for the macroscopic properties of substances and been introduced to the microstructure of substances. This chemistry course will expand upon that knowledge, further develop the microstructure of substances, and teach the symbolic and mathematical world of formulas, equations, and symbols. The major concepts covered are measurement, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry.</p> <p>Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.</p> <p>Chemistry should be preceded by an Algebra I course and preceded or accompanied by an Algebra II course</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none">• Calculate and convert units using scientific notation and significant figures.• Explain the differences between elements, compounds, and mixtures.• Use Avogadro's number and the gas laws to calculate different variables in chemistry examples.• Explain and use the periodic table.• Recognize symbols for common elements.• Differentiate between the different types of bonds.• Predict how different elements will react.• Describe acid-base reactions and redox reactions.• Demonstrate an understanding of organic chemistry and carbon compounds.	<p>UNITS</p> <ol style="list-style-type: none">1. MEASUREMENT AND ANALYSIS2. STARTING THE INVESTIGATION: HOW TO IDENTIFY ELEMENTS, COMPOUNDS, AND MIXTURES3. EXPLORING LAWS FOR GASES AND CONSERVATION OF MASS4. THE DISCOVERY OF ATOMS: NATURE'S BUILDING BLOCKS5. MOLECULAR STRUCTURE6. CHEMICAL REACTIONS, RATES AND EQUILIBRIUM7. EQUILIBRIUM SYSTEMS8. CARBON CHEMISTRY: HYDROCARBONS9. CARBON CHEMISTRY: FUNCTIONAL GROUPS10. CHEMISTRY REVIEW

12 th – Physics	
<p>OVERVIEW</p> <p>Physics is intended to expose students to the design and order in the world that God has created. In preceding years, students should have developed a basic understanding of the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, sound and light waves, electricity and magnetism, and static electricity.</p> <p>Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.</p> <p>Physics should be preceded by Algebra I and II courses and geometry.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none">• Use scalars and vectors to visualize and calculate concepts of motion.• Articulate Newton's and Kepler's laws of motion.• Demonstrate an understanding of how energy is transferred and changed from one form to another.• Describe how sound and light waves act and react.• Differentiate between static and current electricity and describe each one.• Know the relationship between magnetism and electricity.	<p>UNITS</p> <ol style="list-style-type: none">1. MOTION AND FORCES2. KINEMATICS3. DYNAMICS4. WORK AND ENERGY5. MORE WORK AND ENERGY6. WAVES7. MORE ABOUT WAVES8. ELECTRICITY AND MAGNETISM9. STATIC ELECTRICITY10. REVIEW

Cornerstone Christian Schools Online School Course Content

ELECTIVES

American Literature	
<p>OVERVIEW</p> <p>American Literature is a five-unit elective that engages high school students in a literary conversation with some of the most colorful and influential minds in American history. Their words will give students a greater understanding of themselves, their culture, and the ideas of others. The course teaches students the various movements in American literature, starting with the roots of American literature in writings from the Puritans. The course concludes with works by Dr. Martin Luther King, Jr., and other black writers who were part of the struggle for racial freedom during the civil rights era.</p> <p>Through this course, students will do the following:</p> <ul style="list-style-type: none">• Recognize the religious beliefs of selected founding fathers, as evidenced in their writings.• Identify the birth of a distinctively American literature.• Recognize the impact of slavery on individuals and society.• Understand and identify the influence of modernism upon religion and the arts.• Recognize the dominant themes and techniques used in literature at the end of the twentieth century.	<p>UNITS</p> <ol style="list-style-type: none">1. EARLY AMERICAN LITERATURE 1600-18002. THE ROMANTIC PERIOD 1800-18553. WAR AND RECONCILIATION 1855-19154. THE MODERN AGE 1915-19465. FROM MODERN TO POSTMODERN 1946-PRESENT
British Literature	
<p>OVERVIEW</p> <p>Beginning with works from the Middle Ages, British Literature is a five-unit course that teaches high school students about some of the greatest books of Western Civilization. Students will learn how to appreciate the English literature of the Middle Ages for its wisdom and beauty and will also gain a better understanding of the development of the English language and its literature. Course units cover one to two centuries, concluding with the writings of apologist C.S. Lewis in the 20th century.</p> <p>Through this course, students will do the following:</p> <ul style="list-style-type: none">• Gain a better understanding of the beginning and development of the English language and its literature.• Recognize the Bible's central importance to the English Reformation.• Appreciate the wisdom and eloquence of the authors of each period.• Evaluate literature by comparing it to Scripture.• Discern the causes and the consequences of "the absence of God" from modern society.• Appreciate the influence of Christian writers in the twentieth century.	<p>UNITS</p> <ol style="list-style-type: none">1. THE MIDDLE AGES2. THE SIXTEENTH CENTURY3. THE SEVENTEENTH AND EIGHTEENTH CENTURIES4. THE NINETEENTH CENTURY (1798-1900)5. THE TWENTIETH CENTURY
Business Computer Information Systems	
<p>OVERVIEW</p> <p>BCIS is a high school elective that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas:</p> <ul style="list-style-type: none">• communication skills• business technology• word processing applications• spreadsheet applications• database applications• telecommunications technology• desktop publishing technology• presentation technology• computer networks• computer operating systems <p>The course is intended to help students arrive at the following understandings:</p> <ul style="list-style-type: none">• Effective communications skills and productive work habits can increase employees' success.• Technology solutions can help employees be more productive and effective.	<p>UNITS</p> <ol style="list-style-type: none">1. COMMUNICATION SKILLS2. BUSINESS TECHNOLOGY3. WORD PROCESSING4. SPREADSHEETS5. DATABASES6. TELECOMMUNICATIONS TECHNOLOGY7. DESKTOP PUBLISHING TECHNOLOGY8. PRESENTATION TECHNOLOGY9. COMPUTER NETWORKS10. COMPUTER OPERATING SYSTEMS

Cornerstone Christian Schools Online School Course Content

Civil War	
<p>OVERVIEW</p> <p>You are about to embark on the fascinating history of the Civil War. It is a story of human choices that linked the past to the present and influenced the future. It is a drama of how one nation changed through times of conflict and cooperation. It is a tale of two children (the North and South) living under the same roof (The United States) and how they disagreed over the issues of states' rights and slavery.</p> <p>As you study the Civil War, you will detect patterns in the way people thought and acted. You will see familiar patterns in how battles were won and lost. You will also note how events happening today affect the future. The principle of cause and effect applies in everything you do.</p> <p>Even today, there are some people who believe the South won the Civil War or that the North had no right to abolish slavery. Others cannot believe that people from the South found nothing wrong with enslaving fellow human beings. For all these people, their view of history differs from one another based on their perspective.</p> <p>Regardless of where you stand, enjoy learning about this period in American history. It is filled with heroism and cowardliness, conflict and cooperation, heartache and joy, triumph and tragedy. Hopefully, you will be able to apply the enduring understandings mentioned above to advance your understanding America.</p>	<p>UNITS</p> <ol style="list-style-type: none"> 1. THE PRE-WAR YEARS 2. THE EARLY YEARS 3. TURNING POINT 4. WAR IN THE SOUTH 5. RECONSTRUCTION OF A NATION

College Planner	
<p>OVERVIEW</p> <p>College Planner is a one-semester high-school elective, with the following goals:</p> <ul style="list-style-type: none"> • guiding students in the entire college process • planning for college • selecting the right school • the application process • financial aid • guiding students who may not be headed to college <p>The program focuses on the decision-making process of choosing a school, covering both the application process and financial requirements. Additionally, for those students who will not be attending college or university, the course surveys non-college options.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Articulate reasons for attending college and for choosing a specific institution over another. • Identify the planning steps to be taken by students during each year of high school. • Understand the basic differences between the SAT and ACT entrance exams, knowing how best to prepare for each one. • Understand the major costs of attending college and what financial aid options are available. • Identify post-high school options for individuals who will not be attending college. <p>Additionally, students will gain practice in report-writing, covering topics like God's plan, admissions essays, college costs, and more.</p>	<p>UNITS</p> <ol style="list-style-type: none"> 1. MY EDUCATIONAL FUTURE 2. CHOOSING A COLLEGE 3. ENTRANCE EXAMS AND APPLICATIONS 4. PAYING FOR COLLEGE 5. NON-COLLEGE OPTIONS

Digital Arts	
<p>OVERVIEW</p> <p>Digital Arts is a semester-long elective designed to provide computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students will work with audio-editing programs, and will also examine 3D technology and cinematography.</p> <p>Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.</p>	<p>UNITS</p> <ol style="list-style-type: none"> 1. Course Overview 2. Introduction to Digital Arts 3. Project: Introduction to Digital Arts 4. Why Do We Study Digital Art? 5. Digital Art as Mass Communication 6. Project: Digital Art as Mass Communication 7. Citizen Media 8. Project: Citizen Media 9. What is Digital Photography? 10. Project: What is Digital Photography? 11. How the Digital Camera Works

Cornerstone Christian Schools Online School Course Content

(Digital Arts Continued)

	<ol style="list-style-type: none"> 12. Project: How the Digital Camera Works 13. Shooting Technique 14. Project: Shooting Technique 15. Types of Photography 16. Digital Image Editing 17. Digital Image Editing Software 18. Photoshop Express 19. Project: Photoshop Express 20. Show and Tell 21. Project: Show and Tell 22. Audio Recording and Playback 23. Analog vs. Digital Audio 24. Digital Audio Editing 25. Project: Digital Audio Editing 26. 2D Animation 27. 3D Animation 28. Project: 3D Animation 29. 3D Animation - More Than Entertainment 30. Digital SFX for Film and Video 31. Project: Digital SFX for Film and Video 32. Digital Video Revolution 33. Project: Digital Video Revolution 34. Digital Cinematography 35. Post Production 36. What's Next? 37. Project: What's Next? 38. Web Basics 39. Introduction to Web Design 40. Project: Introduction to Web Design 41. Websites - Mixing Light Entertainment with Income Generation 42. Project: Websites - Mixing Light Entertainment with Income Generation 43. Digital Gaming - A Brief History 44. Gaming Today 45. Virtual Reality - Practical Applications 46. Virtual Reality - Cutting Edge 47. Project: Virtual Reality - Cutting Edge 48. The Future of Digital Arts 49. Project: The Future of Digital Arts 50. Glossary and Credits
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Essentials of Business

OVERVIEW

This semester-long course is an introduction to the goals, processes, and operations of business enterprises for students. The main focus is on the functions that a company – whether a multinational corporation or a corner grocery store – must manage effectively to be successful. These include accounting, finance, human resource management, marketing, operations management, and strategic planning. Attention is also given to the legal environment in which businesses operate, and the importance of business ethics and corporate citizenship.

Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.

Upon completion of the course, students should be able to do the following:

- Apply business concepts to their lives
- Compare and contrast market economies with controlled economy
- Describe the six areas of human resource management
- List and define the legal forms of business ownership
- Name and describe the components of successful business communication
- Analyze ways in which technology is changing business operations

UNITS

1. Course Overview
2. Principles of Training
3. Your Role in Business
4. Project: Your Role in the Business
5. Business Career Choices
6. Project: Business Career Choices
7. Selling Yourself
8. Project: Selling Yourself
9. Market-Based Economy
10. Business Economics Wants vs. Needs
11. Unlimited Wants vs. Limited Resources
12. Project: Unlimited Wants vs Limited Resources
13. Human Resources
14. Marketing and Advertising
15. Project: Marketing and Advertising
16. Sales Techniques and Careers
17. Project: Sales Techniques and Careers
18. Business Structures

Cornerstone Christian Schools Online School Course Content

(Essentials of Business Continued)

	<ol style="list-style-type: none"> 19. Management 20. Finance Options, Credit Use, and Banking 21. Project: Finance Options, Credit Use, and Banking 22. Recordkeeping Money and Asset Management 23. Consumer Rights 24. Project: Consumer Rights 25. Business Leadership Skills 26. Project: Business Leadership Skills 27. Group Dynamics in the Business Setting 28. Team-Building Skills in Business 29. Business Ethics 30. Project: Business Ethics 31. Business Etiquette 32. Methods of Business Communication 33. Verbal and Nonverbal Business Communication 34. Business Letters and Memos 35. Project: Business Letters and Memos 36. Business Presentations and Delivery 37. Business Technology 38. Use of Technology in Business 39. Project: Use of Technology in Business 40. Channels of Business Communication 41. Role of Future Business Leaders of America 42. Project: Role of Future Business Leaders of America 43. Glossary and Credits
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Foundations for Living

OVERVIEW

Foundations for Living is an elective for high schools students. Designed specifically with 11th and 12th graders in mind, Foundations for Living provides a Bible-based, sequential development of a Christian worldview through the use of fundamental truths from the Bible and the application of biblical principles to the various areas of contemporary life. The course aims to pull all of a student's education together into a unified whole, preparing them for their new adventures beyond high school in the home, church, college, and society.

Throughout this course, students will build the skills and knowledge needed to in order to do the following:

- Understand the unique identity of the Christian worldview.
- Observe how all truth properly fits together into the Christian worldview.
- Discern the difference between Christian and non-Christian worldviews.
- Think and live with discernment and conviction.
- Recognize how the world's philosophies of the past affect contemporary thinking and living.
- Judge and assess any issue using a biblical model.

UNITS

1. WHAT IS A BIBLICAL WORLDVIEW?
2. PRESUPPOSITIONS
3. THE DOCTRINES OF THE BIBLE
4. GOD'S CREATION
5. HEAD OF THE FAMILY
6. THE BIBLE AND MARRIAGE
7. DATING TO MATRIMONY
8. CHRISTIAN EDUCATION
9. ART, MUSIC, AND POLITICS
10. PUTTING IT ALL TOGETHER

Cornerstone Christian Schools Online School Course Content

High School Health	
<p>OVERVIEW</p> <p>High School Health is a health science elective course that introduces students to what good health is, why good health is important, and what students should do in order to achieve good health.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Demonstrate an awareness of health as it applies to their own bodies, minds, and emotions. • Demonstrate an awareness of health as it applies to their living environments. • Identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness. • Understand that incorporating sound health practices creates a lifestyle of moderation and wellness. • Understand the responsibility of properly stewarding the bodies God has given them as directed in the Bible. • Describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them. 	<p>UNITS</p> <ol style="list-style-type: none"> 1. BODY ESSENTIALS 2. PHYSICAL HEALTH 3. SOCIAL AND MENTAL HEALTH 4. PREVENTATIVE HEALTH CARE AND FIRST AID 5. RESPONSIBLE LIVING

Music Appreciation	
<p>OVERVIEW</p> <p>The goal of this semester-long course is to provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments. Students will learn the names and backgrounds of several famous musical composers. Students will also learn how and where classical music began, how it developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music.</p> <p>This course also provides students with lessons in engaged listening. These special lessons allow students to listen and respond to music. A template for how to listen and respond is provided.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> • Describe effective techniques to listen and respond to music. • Identify and name common instruments by sight or sound. • Identify and define musical terms such as beat, meter, notes, and tempo. • Compare and contrast music from the Medieval, Renaissance, and Baroque periods. • List ways in which the societies of the Medieval, Renaissance, and Baroque periods affected their music. • Compare and contrast music from the Classical and Romantic periods. • List ways in which the societies of the Classical and Romantic periods affected their music. • Analyze the effects of classical and popular music on the music of the 20th century. <p>(Music Theory Continued)</p>	<p>UNITS</p> <ol style="list-style-type: none"> 1. DISCOVERING MUSIC 2. MUSIC FUNDAMENTALS 3. BEGINNINGS OF MUSIC 4. DEVELOPING MUSIC 5. MODERN MUSIC

Personal Financial Literacy	
<p>OVERVIEW</p> <p>Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives.</p> <p>Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.</p> <p>Upon completion of Personal Financial Literacy, students should possess the knowledge and skills needed to do the following:</p> <ul style="list-style-type: none"> • Find and evaluate financial information from a variety of sources when making personal financial decisions. 	<p>UNITS</p> <ol style="list-style-type: none"> 1. FINANCIAL RESPONSIBILITY AND DECISION MAKING 2. CAREERS AND INCOME 3. MONEY MANAGEMENT 4. SAVING AND INVESTING 5. CREDIT, DEBT, AND CONSUMER SKILLS

Cornerstone Christian Schools Online School Course Content

(Personal Financial Literacy Continued)

- Understand the role of income, taxes, and research in developing and planning a career path.
- Develop systems for managing money (including saving and investing) tied to personal financial goals.
- Recognize and understand a consumer’s rights and responsibilities in a complex world market.

Physical Education

OVERVIEW

Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included.

Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits.

Throughout the course, students may be asked to answer questions or to reflect on what they’ve read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.

Teacher Only: Assignments in this course place a strong emphasis on student inquiry, research and writing, and much assessment is based on teacher-graded writing projects. Links to outside Web sites play a major role in course activities. Please note that we are not responsible for these websites since their content and availability are not within our control. This course has 1 semester-length unit containing 28 instructional lessons and 18 projects. Most lessons in this course are designed to take 1-2 days to complete, while most projects take 2-3 days.

Upon completion of Physical Education, students should possess the knowledge and skills needed to do the following:

- Define physical fitness and describe the components of being physically fit
- Evaluate their fitness level
- Apply physical fitness, nutrition-related, and weight-management skills to their lives
- Understand and apply safe exercise rules
- Describe the history and rules of sports such as basketball, baseball, football, soccer, volleyball, and gymnastics
- Describe and apply skills needed for a variety of sports

UNITS

1. Course Overview
2. Defining Physical Fitness
3. Principles of Training
4. Project: Principles of Training
5. Risk Factors and Behaviors
6. Project: Risk Factors and Behaviors
7. Balance and Flexibility
8. How the Heart Works
9. Project: How the Heart Works
10. Muscular Strength and Endurance
11. Evaluating Your Fitness Level
12. Nutrition
13. Project: Nutrition
14. Weight Management
15. Responsible Choices
16. Project: Responsible Choices
17. Handling Your Stress
18. Exercise Safety
19. Soccer
20. Project: Soccer
21. Basketball Overview
22. Project: Basketball Overview
23. Understanding Football
24. Project: Understanding Football
25. Modern Baseball
26. Project: Modern Baseball
27. Baseball History
28. Project: Baseball History
29. Volleyball
30. Project: Volleyball
31. Title IX and Gender Issues in Sports
32. Project: Title IX and Gender Issues in Sports
33. Olympics
34. Project: Olympics
35. Controversy in the Olympic Games
36. Project: Controversy in the Olympic Games
37. Golf
38. Project: Golf
39. Tennis
40. Swimming
41. Project: Swimming
42. Gymnastics
43. Running
44. Project: Running
45. Race-walking
46. Careers in Sports
47. Project: Careers in Sports
48. Test
49. Glossary and Credits

Cornerstone Christian Schools Online School Course Content

Physical Fitness	
<p>OVERVIEW</p> <p>Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long term exercise program.</p> <p>As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Along the way, students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals.</p> <p>Upon completion of Physical Fitness, students should possess the knowledge and skills needed to do the following:</p> <ul style="list-style-type: none"> Analyze the key components of successful physical activity and use this analysis to determine if a program is reasonable and effective. Describe the three main types of physical activity that should be included in an exercise regime and the health benefits of each. Perform basic fitness exercises associated with the three main types of physical activity discussed in this course. Identify the main motivational strategies that can be used to help the student continue in positive fitness habits once this course is completed. 	<p>UNITS</p> <ol style="list-style-type: none"> AN OVERVIEW OF FITNESS FLEXIBILITY TRAINING CARDIOVASCULAR FITNESS RESISTANCE TRAINING MOTIVATION AND MINDSET

Spanish I	
<p>OVERVIEW</p> <p>Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities.</p> <p>Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, writing, and cultural competency.</p> <p>(Spanish I Continued)</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> Use Spanish in everyday situations in a basic manner and in both oral and written communication. Use vocabulary necessary to function as a tourist in Spanish-speaking countries. Demonstrate a basic knowledge of the Spanish-speaking world. Listen to and understand basic passages in Spanish related to various themes. Read and understand basic passages in Spanish related to various themes. Compare and contrast cultural aspects of Hispanic countries and the United States. <p>Spanish I introduce students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture.</p>	<p>UNITS</p> <ol style="list-style-type: none"> AMIGOS EN EL MUNDO AMIGOS EN EE.UU. AMIGOS EN MÉXICO AMIGOS EN ARGENTINA AMIGOS EN HONDURAS Y EL SALVADOR AMIGOS EN PUERTO RICO AMIGOS EN ESPAÑA AMIGOS EN CUBA AMIGOS EN LA REPÚBLICA DOMINICANA AMIGOS EN PANAMÁ

Spanish II	
<p>OVERVIEW</p> <p>Spanish II is a high school foreign language course that builds upon skills and concepts taught in Spanish I, emphasizing communication, cultures, connections, comparisons, and communities.</p> <p>Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, writing, and cultural competency.</p> <p>Upon completion of the course, students should be able to do the following:</p> <ul style="list-style-type: none"> Use Spanish in everyday situations in both oral and written communication. Use vocabulary necessary to live in a Spanish-speaking country. Demonstrate an understanding of Hispanic countries. Listen to and understand passages in Spanish related to various themes. Read and understand passages in Spanish related to themes. 	<p>UNITS</p> <ol style="list-style-type: none"> AMIGOS EN EL MUNDO AMIGOS EN CHILE AMIGOS EN VENEZUELA AMIGOS EN PERÚ AMIGOS EN COLOMBIA AMIGOS EN GUATEMALA AMIGOS EN BOLIVIA Y ECUADOR AMIGOS EN COSTA RICA AMIGOS EN PARAGUAY Y URUGUAY AMIGOS EN NICARAGUA

Cornerstone Christian Schools Online School Course Content

(Spanish II Continued)

<ul style="list-style-type: none"> Compare and contrast cultural aspects of Hispanic countries and the United States. <p>This course gives students practice using the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture.</p>	
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Speech

<p>OVERVIEW</p> <p>Essentials of Communication: A Guide to Interacting Effectively in Today's World™ is a five-unit elective course for high school students. The materials cover fundamentals of the communication process important for successful interaction in a variety of social and professional settings. Students can use the course to gain and apply knowledge about communication theories, characteristics of language and language use, interpersonal relationships, group dynamics, and public speaking in order to interact more effectively with others.</p> <p>The course seeks to help students expand their knowledge and skills as communicators so that they may achieve the following goals:</p> <ul style="list-style-type: none"> Know and understand aspects of communication theories and processes appropriate to both social and professional settings. Use interpersonal communication strategies appropriately in social and professional settings. Effectively communicate in social and professional group settings. Plan, prepare, deliver, and evaluate formal and informal personal and professional presentations. <p>In attaining these goals, students will be better equipped to use communication to hone other life skills, including exchanging information, fulfilling social obligations, developing relationships, and understanding and meeting the needs of others.</p>	<p>UNITS</p> <ol style="list-style-type: none"> COMMUNICATION FOUNDATIONS LANGUAGE CHARACTERISTICS INTERPERSONAL RELATIONSHIPS UNDERSTANDING GROUPS PRESENTING AND INTERPRETING PUBLIC MESSAGES
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Trigonometry

<p>OVERVIEW</p> <p>Trigonometry is a five-unit elective course for high school students who have successfully completed Algebra I, Geometry, and Algebra II. The materials cover a development of trigonometry from right triangle trigonometry to oblique triangles and the polar plane. Throughout the course, students will develop trigonometric formulas and use them in real-world applications, evaluate trigonometric proofs using complex trigonometric identities and solving trigonometric equations with regard to the unit circle.</p> <p>The course seeks to help students expand their knowledge and skills so that they may achieve the following goals:</p> <ul style="list-style-type: none"> Use trigonometry as a tool for indirect measurement. Model natural phenomenon with trigonometric functions. Perform operations with complex numbers using trigonometry. Use trigonometric identities to evaluate trigonometric proofs and solve trigonometric equations with regard to the unit circle. Solve for unknown sides and angles of right and oblique triangles using right triangle trigonometry, law of sines and law of cosines. <p>In attaining these goals, students will begin to see the "big picture" of mathematics and understand how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.</p>	<p>UNITS</p> <ol style="list-style-type: none"> RIGHT TRIANGLE TRIGONOMETRY GRAPHING AND INVERSE FUNCTIONS ANALYTIC TRIGONOMETRY TRIGONOMETRIC APPLICATIONS POLAR COORDINATES
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Twentieth Century American History

<p>OVERVIEW</p> <p>Twentieth Century American History is a history elective for high school students interested in examining American history during a century of change, continuity, and conflicts.</p> <p>Students will examine America's economic, political, governmental, cultural, and technological growing pains during the twentieth century. They will also consider the causes and effects of national and international cooperation, competition, and conflict.</p>	<p>UNITS</p> <ol style="list-style-type: none"> COMING OF AGE MODERN AMERICA EMERGES BOOM TO BUST WORLD WAR II AND THE COLD WAR CHANGE, CONTINUITY, AND CONFLICT
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Cornerstone Christian Schools Online School Course Content

(Twentieth Century American History Continued)

This course seeks to help students develop social studies skills and expand their knowledge of history so that they may achieve the following goals:

- Understand that the interaction between continuity and change played a huge role in the events in twentieth century American history.
- Realize that change happens through times of conflict and cooperation.
- Develop an increased awareness of how history affects opportunities that are open to future generations.
- Analyze the numerous ways new technologies and innovation transform society and culture.

In attaining these goals, students will develop insight and perspective on the themes and patterns of history and a greater understanding of today's world.

State History

OVERVIEW

The individual State History helps students develop an understanding of and appreciation for God's activity as seen in the record of man and his relationships. The course uses a topical approach to survey the state's geography, history, culture, government, economy, and citizenship.

Upon completion of the course, students should be able to do the following:

- describe the geography of the state, including major landforms and waterways
- identify significant individuals from the state as well as their contributions to society
- understand whether and how the state participated in the Civil War
- understand the three main branches of the state government and the roles of each branch
- identify current political leaders from the state
- identify significant industries with a presence in the state
- understand how business and industry, tourism, and culture all contribute to the economic strength of the state
- understand the Christian heritage of the state and be able to identify religious groups who have had a significant influence in the state
- understand the rights and responsibilities of citizenship in the state

Additionally, students will gain practice in report-writing, covering topics like state capitals, important state figures, trips through different states, Christian heritage in the states, and more.

UNITS

1. INTRODUCTION TO "STATE"
2. HISTORY AND CULTURE
3. GOVERNMENT
4. ECONOMY
5. CITIZENSHIP