

**Ebenezer International**



**Christian Academy**

**EICA School Catalog**

**2016-2017**

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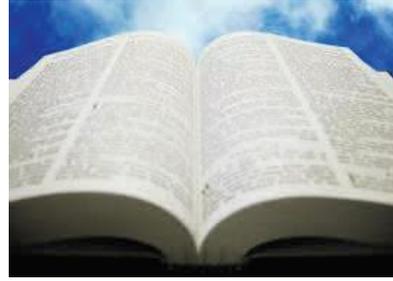
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# Bible



## HIGH SCHOOL

### **New Testament Survey (10 Units)**

The Gospels, Acts of the Apostles, the Pauline epistles, the general epistles, the Revelation of Jesus Christ, Biblical literature; Job and suffering, sharing Christ, God's will for your life..

### **Old Testament Survey (10 Units)**

Creation through Abraham, Abraham through Joseph, The exodus and wanderings, Israel in Canaan, The judges and spiritual decline, the kingdom, the divided kingdom, the remaining kingdom, captivity, the restoration.

# History



## HIGH SCHOOL

### **World History (10 Units)**

Importance of history, early hominid development, agriculture communities, Early River Valley civilizations, Portuguese influence, leaders of the Protestant Reformation, Gupta Empire, Byzantine Empire, Bantu migration, Latin American independence movements, French Revolution, Revolutions of 1848, Industrial Revolution, social class, child labor, Chinese & British positions on opium trade, WWII, components of the United Nations governing body, culture and technology, tracing population growth, causes and effects of revolutions, emergence of capitalism, Nation States-globalization and immigration.

### **American History (10 Units)**

Foundations of the American Republic, Constitutional Government, National Expansion, A Nation Divided, At home and Abroad, Peace and Global Conflict, A Nation at War, Contemporary America.

### **World Geography (13 Units)**

Globes, maps, charts, earth's layers, renewable, and nonrenewable resources, atmosphere, hydrosphere, ecosystems, human migration, settlement, developing nations, counter migration stream, pandemic, cultural mosaics, United States, Northeast and the South, Canada, Greenland, International alliances, NAFTA, NATO, and OAS, aquaculture, conservation, environmental policies, agriculture, Central America, South America, Caribbean, Oceania, Australasia, Antarctica, Western Europe, Eastern Europe and Russia, Sub-Saharan Africa, North Africa, Southwest Asia, Central, South, East, and Southeast Asia.

### **Government & Economics (10 Units)**

Exploring Governments, American Government, Political Parties in America, History of Governments, A Christian and His Government, Free Enterprise, Business and You, The Stock Market, Budget and Financing, Banking, International Issues.

# English



## HIGH SCHOOL

### **English I (10 Units)**

Word meanings, spelling, speech, prepositions, interjections, conjunctions, common errors, verb tenses, plagiarism, complex projects, persuasion, the world of business, arguments bias, contrast and comparing, SOAP, poetry, short story, Homer, Odysseus, Elizabethtown drama, Shakespeare, novels, Twenty thousand Leagues, Plots and perspective, the novel.

### **English II (10 Units)**

Language in motion, plurals, inflections, demonstrative pronouns, antecedents, infinitives, adverb phrases, punctuation, exposition, technical instruction, analogies, roots and affixes compositions, biographies, regional dialects, getting a job, resumes, cover letters, media, television, public opinion, theme and experience, critical essay, diction and form, Greek drama, Roman drama, Pygmalion.

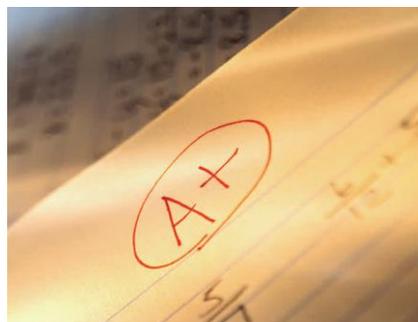
### **English III (10 Units)**

Standard and nonstandard English, lexicography, appositives, subordinate clauses, Greek and Roman roots, measurement in poetry, Annabel lee, nonfiction, journals, Our Town, essay, thesis, bibliography, analyzing words, expository theme, critical analysis, Old Man and the Sea.

### **English IV (10 Units)**

Elizabethan poetry, Shakespeare, Hamlet, Bunyan, Pope, Swift, Johnson, Goldsmith, Shelley, Keats, Wordsworth, Milton Puritan literature, sensibility literature, romantic literature, medieval literature, poetry Hamlet, Canterbury Tales, 17<sup>th</sup>-19<sup>th</sup> century English literature.

# Math



## HIGH SCHOOL

### **Algebra I (13 Units)**

Variables and expressions, absolute value, distributive property, coordinate plane, linear equality, slope, substitution method, polynomials, Pythagorean theorem, exponents, raising to a power, quadratic, probability, linear equations, compound inequality.

### **Algebra II (10 Units)**

Sets, functions, graphs, algebraic expressions, multi-step equations with parenthesis, graphing solution sets for inequalities, motion problems, line graphs, point slope equations of a line, solutions by substitution, factoring trinomials, synthetic division, inverse and direct variation, joint and combined variation, multiplying and dividing with fractions, conjugates, quadratic equations, sum and product of roots, exponential functions, progressions: sequences, series, integers, the discriminant, imaginary numbers, binomial coefficients, logarithms, conditional probability.

### **Geometry (10 Units)**

Sets, lines, theorems and postulates, proofs, transversals and special angles, proving triangles congruent, parallelograms, independent triangles, overlapping triangles, 30, 60, 90 degree triangles, sines, cosines, tangents, area of circles, solids, perpendicular lines, congruence and similarity, inverse and identity transformations, polygons, coordinates and proofs, arcs, cones, prisms, isometry, graphs of algebraic sentences, circle equation, midpoint formula.

### **Pre-Calculus (10 Units)**

Algebraic functions, linear functions, trigonometric functions, graphs of sines and cosines, special angles, reduction formulas, inverse trigonometric functions and polar coordinates, amplitude of circular functions, phase shift of circular functions, double and half angle formulas, parabola, hyperbola, permutation of N, multiplication of probabilities, difference quotient, proofs by induction, angle between curves.

# Science



## HIGH SCHOOL

### **Biology (10 Units)**

Taxonomy, binomial nomenclature, molecular basis of life, static electricity, covalent bonding, organic compounds, lipids, carbohydrates, enzymes, microscope, microbiology, protozoa, amoeba, algae, cell design, osmosis, anatomy and morphology of plants, sexual reproduction in animals and plants, anatomy and physiology, systems of the body, chromosomes, diseases, probability, cell division-meiosis, mitosis, asexual and sexual reproduction, food chains, ecology, biomes, quadrants.

### **Chemistry (10 Units)**

Metric system, analyzing data, mass, density, colloids, gas, kinetic, propellants, pressure, temperature, mole, Avogadro's number, golden years of chemistry, atomic theory, Periodic table, Bohr Model, fission reactors, nuclear reaction, valence structure, polar covalent molecules, stoichiometry, solution concentrate, molarity, dissolving, titration of acids, bonding of carbon atoms, alkanes, reactions of unsaturated and saturated hydrocarbons, aldehydes acids and ketones, ethers, proteins and amino acids.

### **Earth Science (10 Units)**

Explores the Earth's origin and history, structure, forces and features of the earth and its crust, interacting systems, and place in the universe. Concepts and processes in Astronomy, Geology, Meteorology and Oceanography.

### **Physics (10 Units)**

Scalars, vectors, oleic acid, rate of length change, Newton's first and second laws, Isaac Newton, Circular motion, kinetic and potential energy, power, nuclear energy, waves, pulses, bending waves, light properties, water, refraction, convergence, Galileo, acceleration, Newton's third law, conservation of momentum, explosion, Kepler's Law of Planetary motion, solar system, heat energy latent heat, thermodynamics, sound waves, Doppler, electric charges, Coulomb's Law, electric potential, sources of EMF, resistance, Ohm's Law, circuits, fields, electromagnetism, electron beams, quantum theory, x-rays, Bohr Model, nuclear theory.

# Electives



## General Studies

### **Personal and Financial Literacy (6 Units)**

Students will evaluate financial information from a variety of sources when making personal financial decisions; 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.

### **Office Application I (6 Units)**

Office Application I is a semester-length high school elective that explores the use of application skills in Microsoft Word, Publisher, and PowerPoint 201. Students will use these applications to design, develop, create, edit, and share business documents, publications, and presentations. This course provides key knowledge and skills in the following Microsoft Office applications.

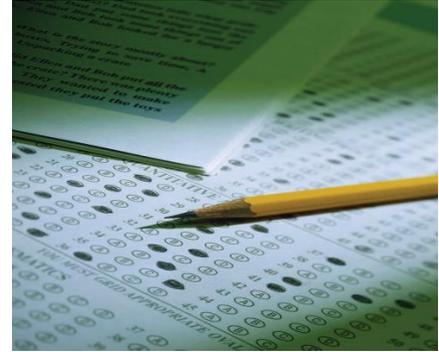
### **Office Application II (6 Units)**

Office Application II is a semester-length high school elective course that explores the use of application skills in Microsoft Excel and Microsoft Access. Students will use these applications to design, develop, create, edit, and share business spreadsheet and database documents. This course key knowledge and skills in the following areas.

### **High School Health (5 Units)**

Building blocks, circulatory system and respiratory system, childhood development, adolescence, adulthood, nutrition, carbohydrates, fats and proteins, vitamins and minerals, proper eating habits, meat and bean group, calcium, physical fitness, muscular endurance, mental health, social health, making choices, friends, family, personal hygiene, teeth and mouth, eyes and ears, safety, personal safety, weather safety, water safety, first aid kits, extreme temperature, disease and prevention, infectious disease, health care, alcohol, tobacco, health and the environment, water and soil.

# Electives



## Foreign Language

### **Spanish I (12 Units)**

Entry level high school foreign language course which explores the Spanish language through communication, culture, connections, comparisons and communities. Student's material will achieve the following goals: : Use of Spanish in everyday situations in both oral and written communication, vocabulary necessary to function as a tourist in Spanish speaking countries, and the Spanish speaking world. The ability to read, listen and understand basic passages in Spanish related to various themes, and to compare cultural aspects of Hispanic countries and the United States. Assignments will include material such as; alphabet, Spanish greetings, verbs, pronouns, nouns, definite articles, colors, opportunities to use Spanish, numbers, days of the week, time, parts of the sentence, how to begin a conversation, cultures in Mexico, Mexican hat dance, Sweet Fifteen Party, Mayan World, Long live Mexico and its independence, exploration through various Hispanic countries of lifestyles, activities, sites, weather, and transportation.

### **Spanish II (12 Units)**

Spanish II course builds on Spanish I and reviews skills and concepts taught in Spanish I with further exposure to communication, cultures, connections, comparisons, and communities. Assignments will consist of introduction to the Spanish speaking world, Spanish in the US, why do we speak Spanish, geography lesson, educational field trip, literature class, Chilean personalities, the outdoors on Margarita Island, music and dance, Peru, Machu Picchu is a wonder, culture shock, Amazon Rainforest and Puerto Maldonado, Spanish influence in Colombia.