



Liberty Christian Academy

6548 Rockfish Rd.

Fayetteville, NC 28306

Subject/Course Descriptions
(9th-12th Grades Only)



The following list is a compilation of available courses of study at Liberty Christian Academy:

<u>Class Code</u>	<u>Credits</u>	<u>Grade Level</u>	<u>Subject Name</u>
*301 EN	1	9 th	English I
*401 EN	1	10 th	English II
*501 EN	1	11 th	English III/ Creative Writing
*601 EN	1	12 th	English IV/ College Prep.
*301 MA	1	9 th	Algebra I
*401 MA	1	11 th	Algebra II
*501 MA	1	12 th	Geometry
*601 MA	1	12 th	Adv. Math/ Pre-Calculus
601 CM	1	11 th /12 th	Consumer Math
*301 HI	.5	9 th	World Geography
*401 HI	1	10 th	World History & Cultures
*501 HI	1	11 th	U.S. History
*601 GOV	.5	11 th /12 th	American Government
*601 EC	.5	12 th	Economics
301 COMP	.25	9 th	Keyboarding III
301 COMP	.25	10 th	Keyboarding IV
401 COMP	1	11 th	MS Office 2007 I
501 COMP	1	12 th	MS Office 2007 II
301 BI	1	9 th	Genesis
401 BI	1	10 th	Life of David
501 BI	1	11 th	Apologetics
601 BI	.5	12 th	Biblical Worldview
*301 SC	1	9 th	Physical Science
*401 SC	1	10 th	Biology w/Lab
*501 SC	1	11 th	Chemistry w/Lab
601 SC	1	12 th	Physics w/Lab
301 HE	.5	9 th	Health
*301 PE	1	9 th	Physical Education I
401 PE	1	10 th	Physical Education II
*501 FL	1	11 th	Spanish I
*601 FL	1	12 th	Spanish II
SPCH	.5	11 th	Speech/Drama
CHOIR	.5	7 th -12 th	Choir/Chorale
HE	.5	7 th -12 th	Home Economics
ART	.25	7 th -12 th	Art
LE	.25	7 th -12 th	Leadership
BAND	.5	7 th -12 th	Band
YRBK	.5	11 th -12 th	Yearbook

**Denotes UNC Undergraduate entrance requirements for college prep diploma.*

LCA course descriptions of the above stated classes.

101 EN- English I (Language Arts) [Credits: 1]

Grammar: Capitalization rules
Punctuation rules
Kinds of sentences and diagramming
Eight parts of speech and their uses
Diagramming eight parts of speech
Sentence structure

Composition: Manuscript form
Writing process
The library
Outlining
Précis
Book Reports
Paragraphs
Exposition
Writing letters
Character sketch and type sketch
Improving writing style

Vocabulary, Spelling, Poetry:
Vocabulary lessons (Classical Roots/Latin)
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, and time and eternity.
Reading for enjoyment stories and poems by such authors as Whittier, Bryant, Tennyson, Hale, Keats, Milton, Rossetti

201 EN- English II (Language Arts) [Credits: 1]

Grammar: Capitalization and punctuation rules, kinds of sentences and diagramming, eight parts of speech and their uses, diagramming 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, pr

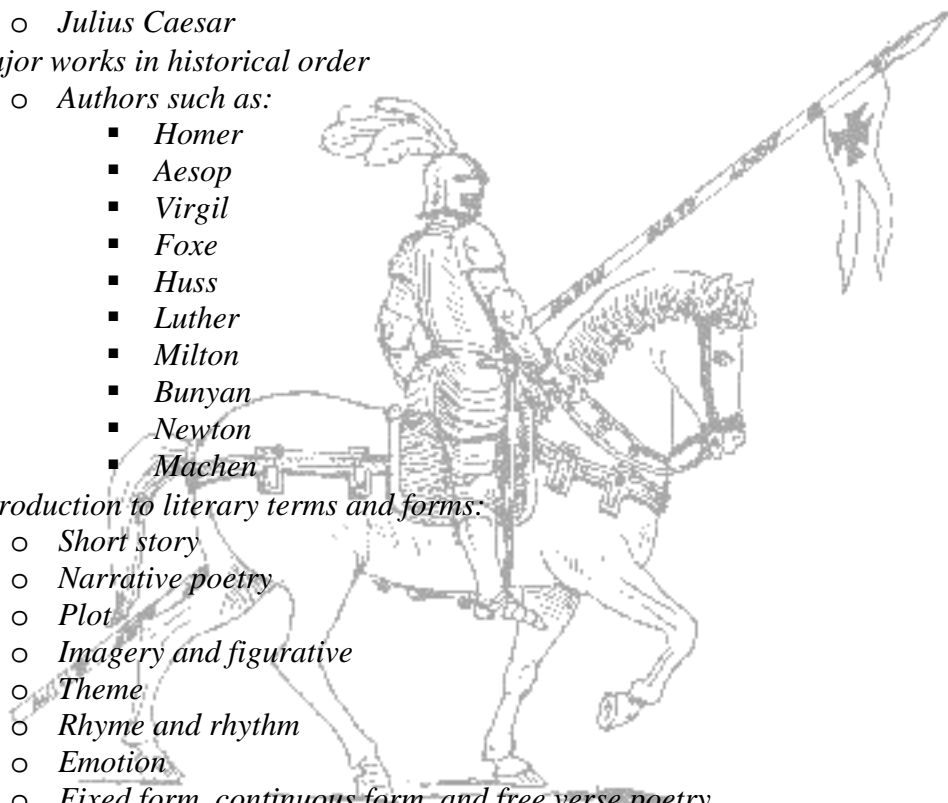
Grammar: Capitalization and punctuation rules, kinds of sentences and diagramming, eight parts of speech and their uses, diagramming eight parts of speech, sentence structure, dictionary skills, usage and diction.

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 (Classical roots/Latin)
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*
- *Complete Novel*
 - *Silas Marner*
 - *Julius Caesar*
- *Major works in historical order*
 - *Authors such as:*
 - *Homer*
 - *Aesop*
 - *Virgil*
 - *Foxe*
 - *Huss*
 - *Luther*
 - *Milton*
 - *Bunyan*
 - *Newton*
 - *Machen*
- *Introduction to literary terms and forms:*
 - *Short story*
 - *Narrative poetry*
 - *Plot*
 - *Imagery and figurative*
 - *Theme*
 - *Rhyme and rhythm*
 - *Emotion*
 - *Fixed form, continuous form, and free verse poetry*
 - *Paradox*
 - *Setting*
 - *Point of view*
 - *Tone*



501 EN- English III- Creative Writing/ SAT Prep. (Language Arts) [Credits: 1]

Incorporating American literature, the curriculum encourages upper-level students to sharpen their critical thinking skills, distinguish literary themes, and recognize different viewpoints. These abilities foster the clarity of written expression so critical for success in the newly formatted SAT examinations.

Critical Reading Essays

Impromptu Essays

Literary Essays

601 EN- English IV- College Preparatory Research and Writing (Language Arts)

[Credits 1]

Curriculum presents an anthology of the best in British Literature. Curriculum includes short stories, poetry, nonfiction, drama, and a novel round out a challenging literary sampler that serves as a springboard for the development of high-level language skills.

Students are also required to do a Senior Research Project and develop a portfolio in order to attend a mock job fair held annually on campus.

301 MA- Algebra I (Mathematics) [Credits:1]

Traditional Approach

- *Linear equations in one variable*
- *Algebraic equations*
- *Graphs*
- *Formulas*
- *Positive and negative numbers*
- *Fundamental operations*
- *Special products and factoring*
- *Fractions*
- *Ratio, proportion, and variation*
- *Linear systems and equations*
- *Powers and roots*
- *Exponents and radicals*
- *Quadratic equations*
- *Numerical Trigonometry Quadratic and higher equations*
- *Logarithmic functions, exponential functions, and graphing rational functions*
- *Numerical trigonometry*
- *Statistics and probability*

401 MA- Algebra II (Mathematics) [Credits:1]

Traditional Approach

- *Factoring*
- *Fractions*
- *Linear equations in one variable*
- *Coordinate Geometry*
- *Variation and dependence*
- *Functions*
- *Systems of equations*
- *Powers and roots*
- *Exponents, radicals, and imaginary numbers*
- *Quadratic and higher equations*

- *Logarithmic functions, exponential functions, and graphing rational functions*
- *Numerical trigonometry*
- *Statistics and probability*

501 MA- Plane Geometry (Mathematics) [Credits: 1]

Traditional Approach

- *Formal arrangement of a proof*
- *Rectilinear figures*
- *Circle*
- *Proportions*
- *Similar polygons*
- *Surface polygons*
- *Regular polygons and circles*
- *Solutions of right triangles by means of ratios*

601 MA- Advanced Math (Pre-Calculus) includes Trigonometry/Analytical Geometry/Advanced Algebra II (Mathematics) [Credits- 1]

Trigonometry with tables

(Traditional approach)

Trigonometry Summary

- *Functions of an Acute Angle*
- *Solutions of Right Triangles*
- *Trigonometric functions of Any Angle*
- *Radian Measures; Mil measure*
- *Line Values and Graphs of Functions*
- *Fundamental Relations*
- *Functions of Two Angles*
- *Oblique Triangles*
- *Identifies (Half-Angle, Double-Angle, Trigonometric, Verifying, Sum and Difference, etc.)*
- *Normal Forms of Linear Equations*
- *Distances from points to lines on Coordinate Planes*
- *Sin/Co-Sin Angles and Radian Measures*
- *Linear and Angular Velocity*
- *Matrices*

Analytical Geometry Summary

- *Graphs of Functions*
- *Fundamental Formulas*
- *Straight Line*
- *Circle*
- *Polar Coordinates*
- *Conic Sections*
- *General Equation of the Second degree in x and y*
- *Miscellaneous Curves*

- *Curves Representing Empirical Data*
- *Coordinates in space*
- *Cylindrical, Spherical, and Polar Coordinates*

601CM- Consumer Math (Mathematics) [Credits:1]

- *Buying a car*
- *Travel*
- *Income*
- *Budgeting*
- *Housing*
- *Food*
- *Clothing*
- *Leisure Activities*
- *Federal taxes and records*
- *Banking Investments*
- *The Small Business*

301 HI- World Geography (History) [Credits: .5]

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

401 HI- World History and Cultures (History) [Credits: 1]

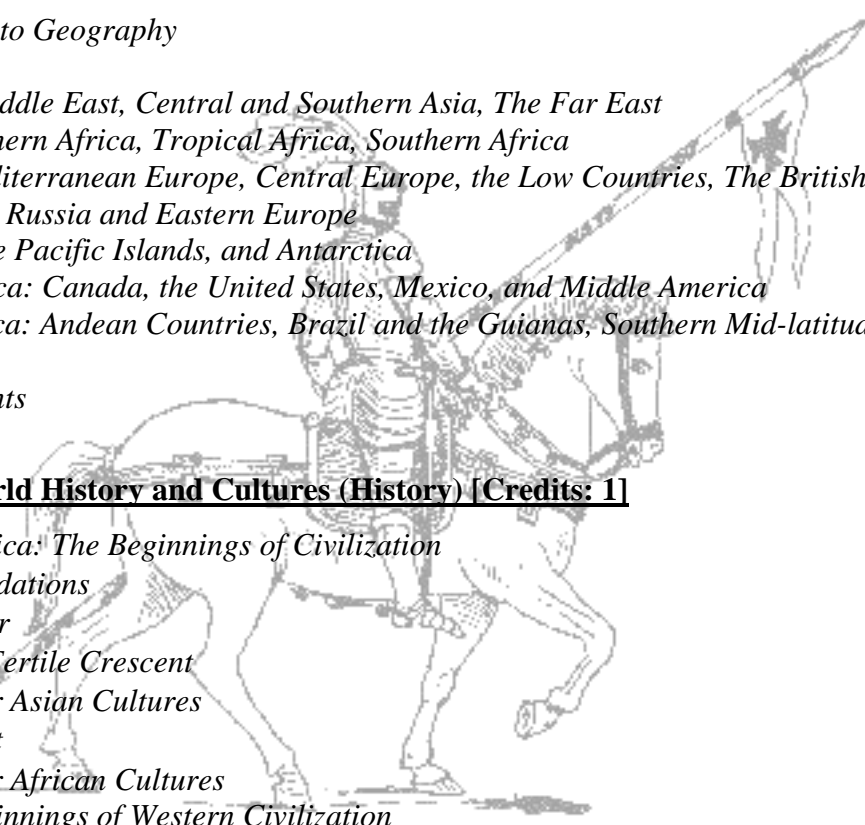
Asia and Africa: The Beginnings of Civilization

- *Foundations*
- *Sumer*
- *The Fertile Crescent*
- *Other Asian Cultures*
- *Egypt*
- *Other African Cultures*

Europe: Beginnings of Western Civilization

- *Greece*
- *Rome*
- *Early Church History*
- *The Byzantine Empire*

The Middle Ages: From 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

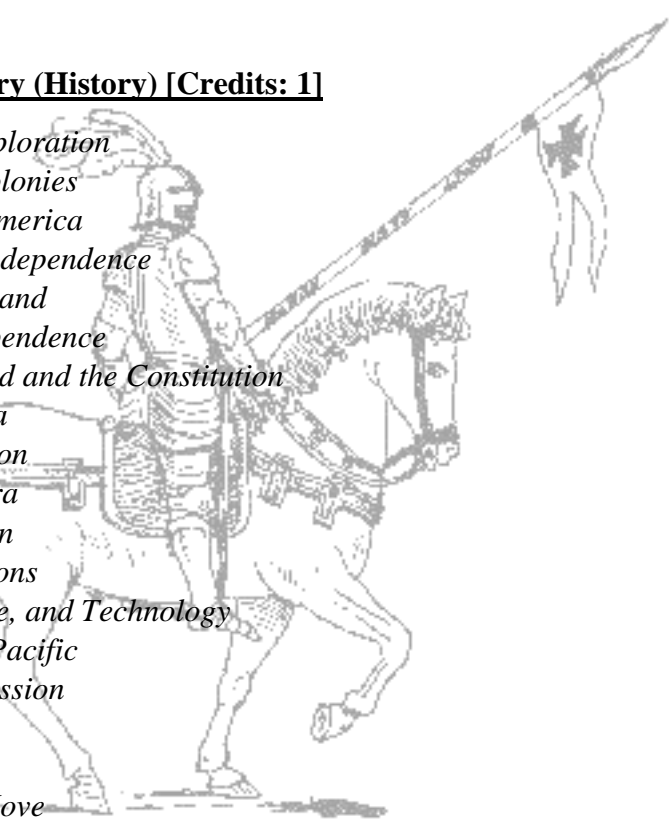
- *France*
- *England and America*
- *The Age of Industry*
- *The Victorian Era*
- *Unbelief and Revolution in 19th Century Europe*

The Twentieth Century

- *WW I, The Rise of Communism*
- *20th Century Liberalism*
- *WW II*
- *The Cold War Era*
- *The Rise of Globalism*
- *Current Events*

501 HI- United States History (History) [Credits: 1]

- *Discovery and Exploration*
- *The 13 original colonies*
- *Life in Colonial America*
- *Preparation for Independence*
- *Conflict with England*
- *The War for Independence*
- *The Critical Period and the Constitution*
- *The Federalist Era*
- *The Age of Jefferson*
- *The Nationalist Era*
- *The Age of Jackson*
- *Revival and Missions*
- *Education, Culture, and Technology*
- *Expansion to the Pacific*
- *Slavery and Secession*
- *The Civil War*
- *Reconstruction*
- *A Nation on the Move*
- *The Triumph of Free Enterprise*
- *The Gilded Age*
- *Politics in the Age of Industry*



- *Expanding World Influence*
- *The Progressive Era*
- *WW I*
- *The Twenties*
- *Depression and the New Deal*
- *WW II*
- *Years of Stability and Strength*
- *Troubled Times*
- *The 1990's*
- *The Constitution and Civic Responsibility*
- *Current Events*

601 GOV- American Government (History) [Credits: .5]

Foundations of the American Republic

- *America: A Unique Nation*
- *Government under God*
- *The Shaping of the American Republic*

Our Constitutional Republic

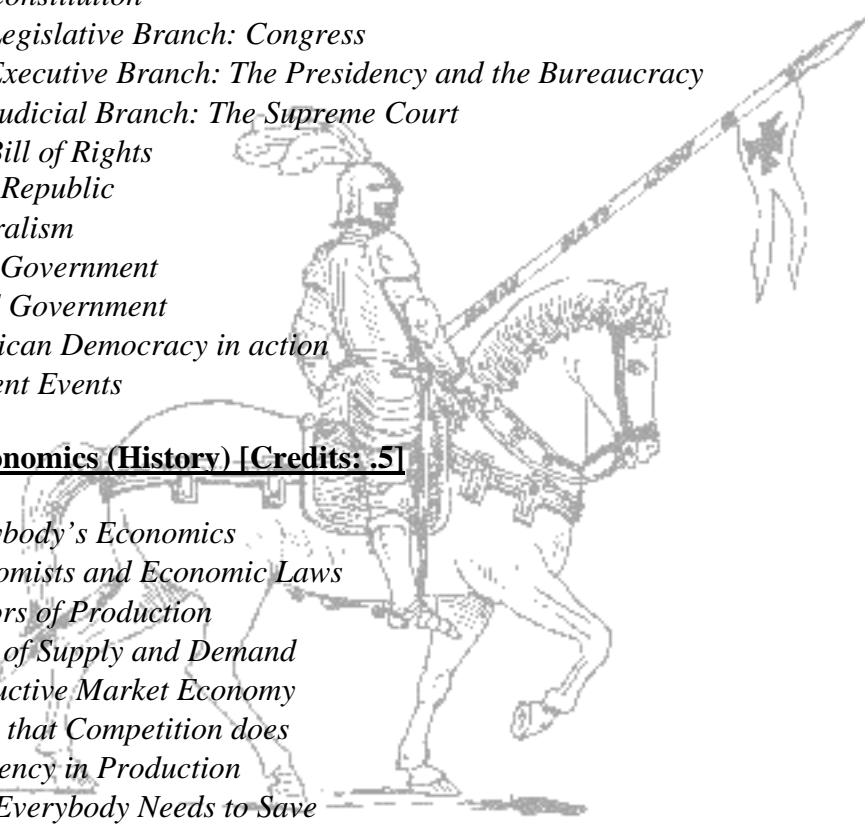
- *The Constitution*
- *The Legislative Branch: Congress*
- *The Executive Branch: The Presidency and the Bureaucracy*
- *The Judicial Branch: The Supreme Court*
- *The Bill of Rights*

Our Federal Republic

- *Federalism*
- *State Government*
- *Local Government*
- *American Democracy in action*
- *Current Events*

601 EC- Economics (History) [Credits: .5]

- *Everybody's Economics*
- *Economists and Economic Laws*
- *Factors of Production*
- *Laws of Supply and Demand*
- *Productive Market Economy*
- *Good that Competition does*
- *Efficiency in Production*
- *Why Everybody Needs to Save*
- *What Money is Good For*
- *Government and the Economy*
- *Successes and Difficulties in the Market Economy*
- *Problems with the Command Economy*
- *A Look at the Global Economy*



- *A Cheerful view of our Economic Future*

301 COMP- Keyboarding I (Computer/Typing) [Credits: .25]

The aim of this class is to monitor typing progress, flag weak spots, and offer challenging lessons to help each student improve typing skills.

- *Exercise typing fingers with more than 221 practice lessons and 103 custom lessons*
- *Help improve posture and physical alignment when typing.*

401 COMP- Keyboarding II (Computer/Typing) [Credits: .25]

The aim of this class is build from session I and further monitor typing progress, flag weak spots, and offer challenging lessons to help each student improve typing skills.

- *Exercise typing fingers with more than 221 practice lessons and 103 custom lessons*
- *Help improve posture and physical alignment when typing.*

501 COMP- MS Office 2007 I (Computer Apps.) [Credits: 1]

Class is designed to broaden student knowledge in core content areas as well as teach global awareness and financial, economic, and business literacy. Projects include standard format business letters and memos, newsletters, balance sheet, stock market analyses, rubrics, inventory databases, and a business presentation.

601 COMP- MS Office 2007 II (Computer Apps.) [Credits: 1]

Class is designed to broaden student knowledge in core content areas as well as teach global awareness and financial, economic, and business literacy. Projects include standard format business letters and memos, newsletters, balance sheet, stock market analyses, rubrics, inventory databases, and a business presentation.

301 BI- Genesis (Bible Elective) [Credits: 1]

Course offers an expository (verse by verse) look at the first and foundational book of the Bible and the Law of Moses.

Students are required to:

- Take detailed notes*
- Verse memorization quizzes*
- Comprehensive exams*
- File a notebook*

401 BI- Life of David (Bible Elective) [Credits:1]

Course offers an expository look at the life of David, Israel's second and longest ruling monarch.

Students are responsible for the following:

Detailed notes

Verse memorization quizzes

Comprehension exams

File a notebook

501 BI- Apologetics (Bible Elective) [Credits:1]

Course offers biblical review of evidences to support the fundamentals of the faith.

Students are responsible for the following:

Detailed notes

Verse memorization quizzes

Comprehension exams

File a notebook

601 BI- Biblical Worldview (Bible Elective) [Credits:1]

Course offers a biblical look at forming a biblical mindset for today's world.

Course outlines the following:

The Christian worldview offers subjects as diverse as law, biology, theology, psychology, politics, philosophy, sociology, economics, history, and ethics.

Class builds a student's confidence in confronting alternative worldviews.

301 SC- Physical Science (Bible Elective) [Credits:1]

Meteorology and Oceanography

The Atmosphere

Earth's Water

A Survey of the Seas

Chemistry

Foundations of Chemistry

Molecules of Chemistry

Chemistry in Action

Geology

Foundations of Geology

Rocks and Minerals

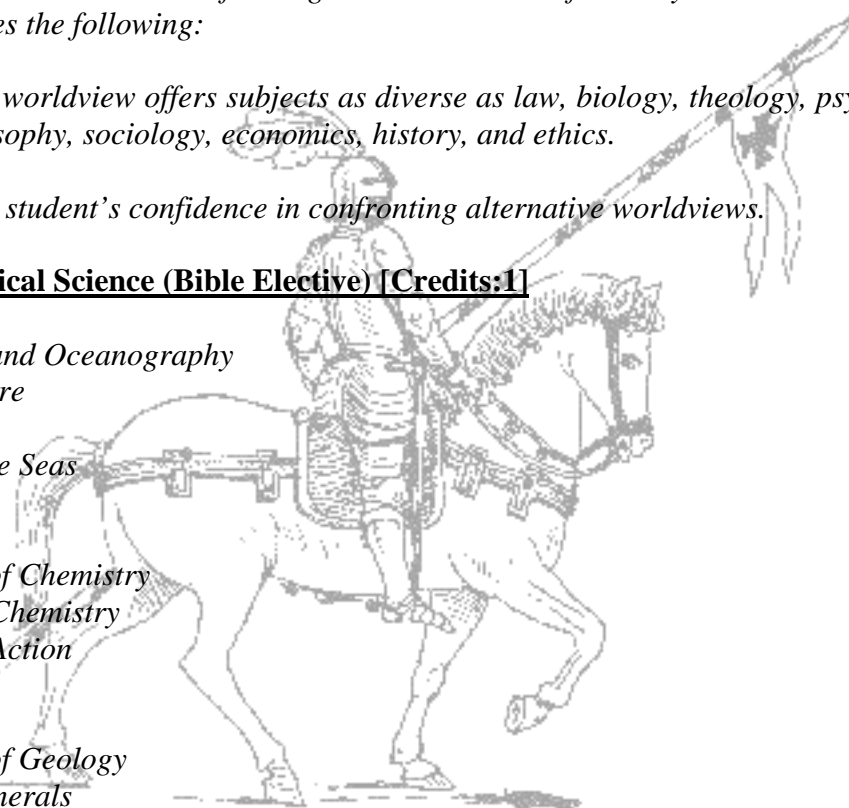
Weathering and Erosion

Interpreting the Fossil Record

Physics

Mechanics: Physics of Motion

Waves and Sound



Light and Color
Electrostatics and Magnetism
Electricity
Electronics

401 SC- Biology w/Lab (Science) [Credits:1]

Botany

Flowering Seed Plants
Structure and Function of Leaves
Flowers, Fruits, and Seeds
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

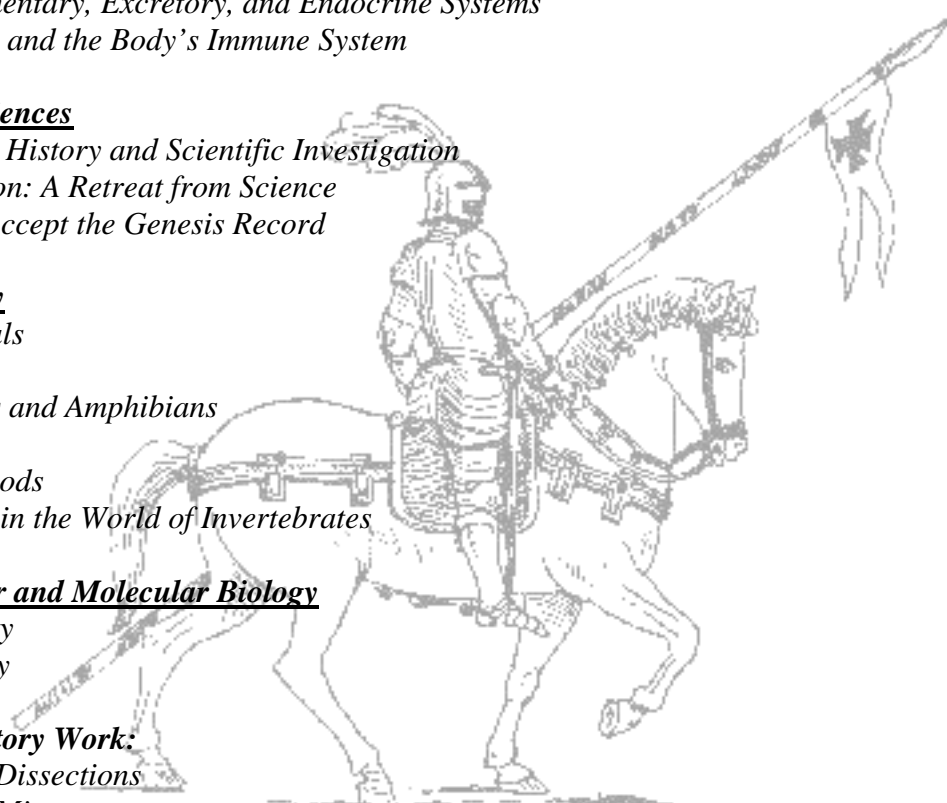
Cellular and Molecular Biology

Cytology
Heredity
DNA

Laboratory Work:

Dissections
Microscopy
Field Studies
Nutrition
Cellular Biology
Genetics

501 SC- Chemistry w/Lab (Science) [Credits:1]



Chemistry: An Introduction
Matter: The Substance of Chemistry
Stoichiometry: Elements and Compounds
Stoichiometry: Chemical Reactions
Gases
Chemical Thermodynamics
Light, Electrons, and Atomic Structure
Periodic Table
Chemical Bond and Intermolecular Forces
Selected Nonmetals and Their Compounds
Selected Metals and Semimetals
Solutions and Colloids
Chemical Kinetics
Chemical Equilibrium
Acids, Bases, and Salts
Oxidation- Reduction Reactions and Electrochemistry
Nuclear Chemistry
Organic Chemistry
Weekly Laboratory Studies

601 SC- Physics w/Lab (Science) [Credits:1]

Basic Concepts

Matter and Energy
Mathematics of Physics

Three States of Matter

Liquid, Gaseous, Solid

Mechanics

Velocity and Acceleration
Forces in Nature, Concurrent Forces
Motion in Two Dimensions
Work and Machines
Energy and Momentum
Rotary Motion, Gravitation

Thermodynamics

Heat
Laws of Thermodynamics

Wave Phenomena

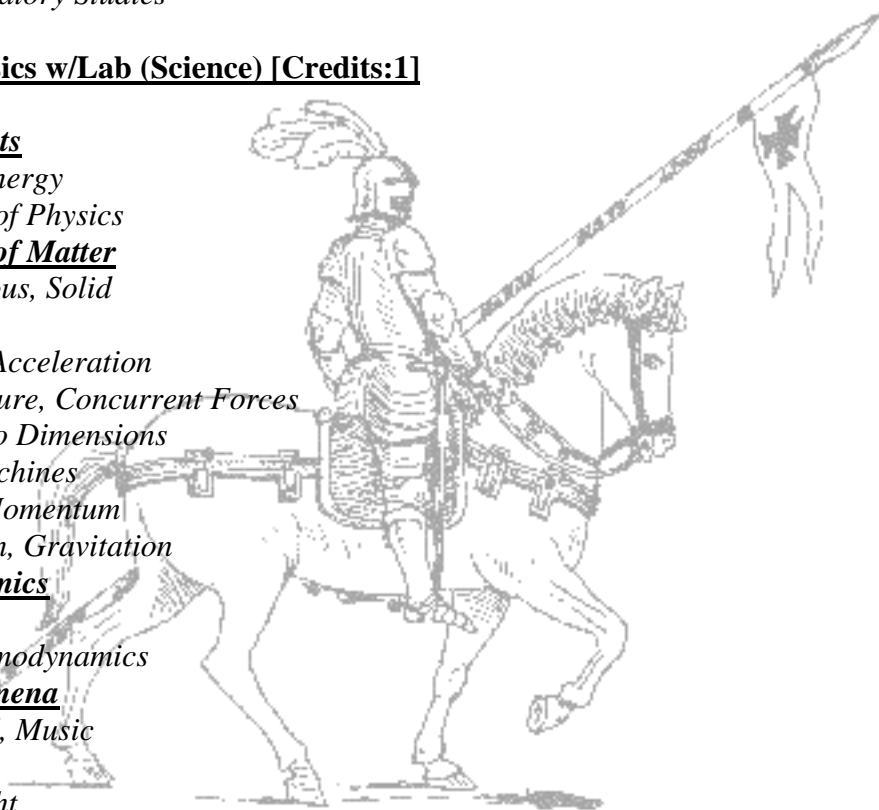
Waves, Sound, Music

Light

Nature of Light
Reflection of Light
Refraction of Light
Wave Optics

Electricity and Magnetism

Electrostatics, Magnetism
Current Generation
Ohm's Law



Load Characteristics
Electrical Devices
Modern Physics
Quantum Theory
Special Relativity
Light in Modern Technology

301 HE- Health (Science) [Credits: .5]

Nutrition and Exercise
Personal Hygiene
Body Systems
Mental Health
Personal Safety
First Aid
Disease Prevention
Drug Abuse
Right Relationships
Spiritual Growth

301 PE- Physical Education I (Phys. Ed.) [Credits: 1]

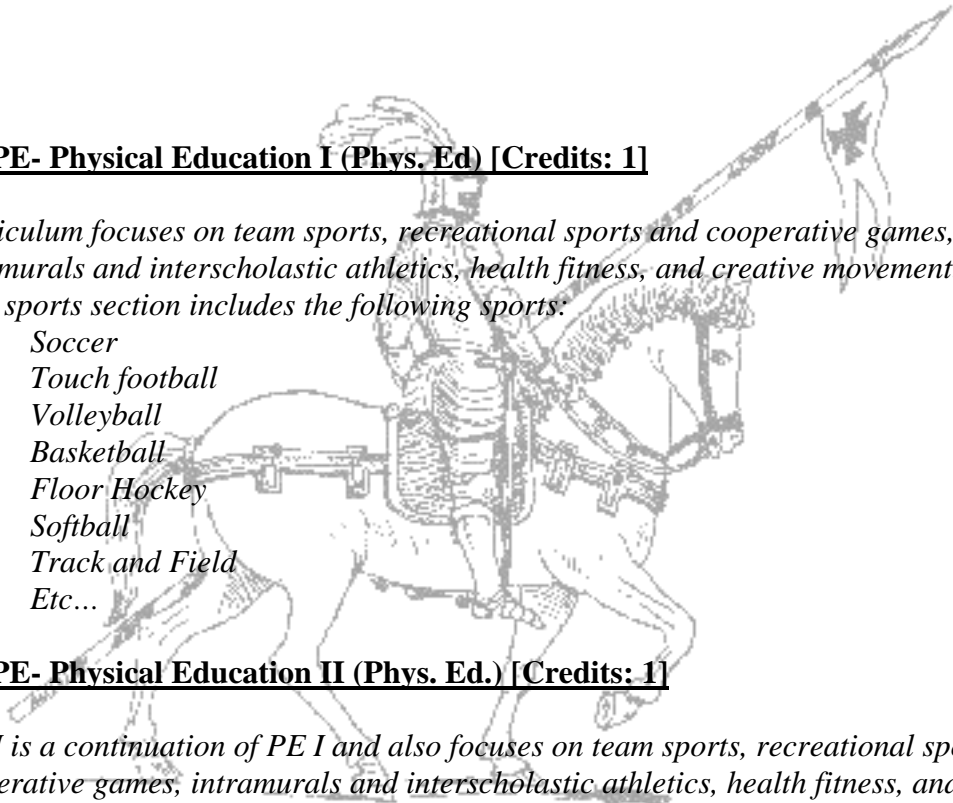
Curriculum focuses on team sports, recreational sports and cooperative games, intramurals and interscholastic athletics, health fitness, and creative movement. The team sports section includes the following sports:

Soccer
Touch football
Volleyball
Basketball
Floor Hockey
Softball
Track and Field
Etc...

401 PE- Physical Education II (Phys. Ed.) [Credits: 1]

PE II is a continuation of PE I and also focuses on team sports, recreational sports and cooperative games, intramurals and interscholastic athletics, health fitness, and creative movement. The team sports section includes the following sports:

Soccer
Touch football
Volleyball
Basketball
Floor Hockey



*Softball
Etc...*

501 FL- Spanish I (Foreign Language) [Credits: 1]

*Pronunciation
Word Formation
Verse Memorization
Grammar*

Vocabulary

School, Clothes, Family, Home, Food, Creation, Vacation

Application

Conversation, Reading, Interview, Report, Letter, Oral translation

601 FL- Spanish II (Foreign Language) [Credits: 1]

*Grammar
Conversations
Cultural Readings
Stories from the life of Christ
Vocabulary
Composition
Interviews*

SPCH- Speech (Elective) [Credits: .5]

Everyday Speech

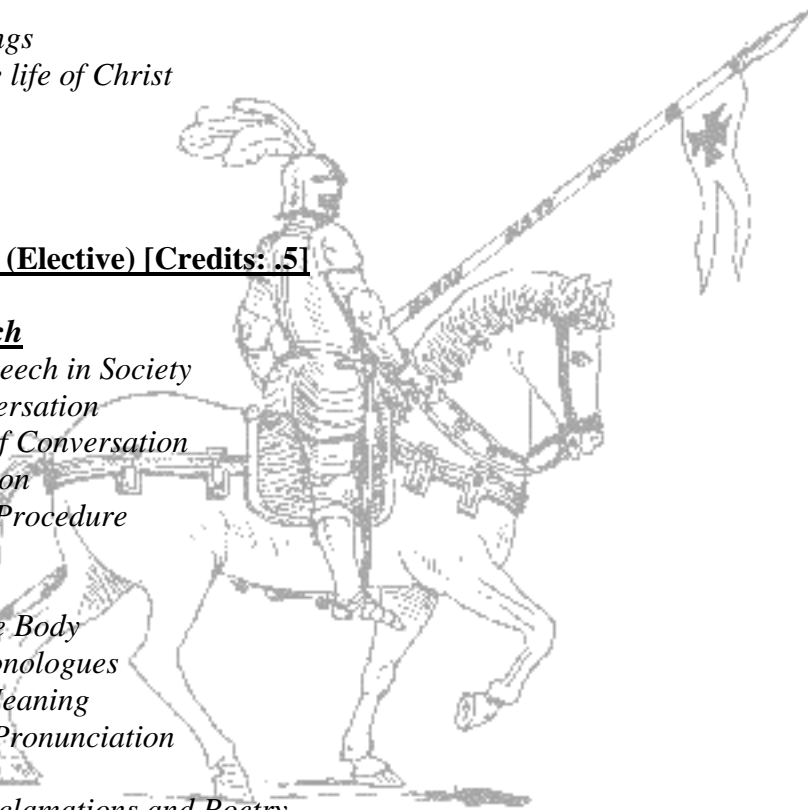
*The Place of Speech in Society
Everyday Conversation
Special Types of Conversation
Group Discussion
Parliamentary Procedure*

Interpretation

*Talking with the Body
Interpreting Monologues
Reading with Meaning
Our American Pronunciation
Listening
Interpreting Declamations and Poetry
Storytelling
Extemporaneous Devotionals*

CHOIR- Choir (Elective) [Credits: .5]

*Musical performances
Music Theory*



Competitions

HE- Home Economics (Elective) [Credits: .5]

*Cooking
Sewing
Budgeting
Formal Dining
Etc.*

ART- Art (Elective) [Credits: .25]

*Watercolor
Pen and Ink
Pastels
Chromatic Drawing
Illustrating*

LE- Leadership (Elective) [Credits: .25]

This class offers a comprehensive approach to biblical leadership. Students are instructed in a classroom setting and then given opportunities to lead in various ministries.

**BAND- Advanced Band/ Intermediate Band/ Beginning Band (Elective) [Credits: .5]
(Offered on campus by Newsom Music Education)**

*Music
Music Theory
Band Festival
Band Competition*

YRBK- Yearbook (Elective) [Credits: .5]

Students are responsible for meeting deadlines, selling advertisements, attending workshops, and designing and layout of the Shield (LCA Yearbook)

