

SECONDARY COURSE DESCRIPTIONS

LANCASTER COUNTY CHRISTIAN SCHOOL

Bible

Bible (Grades 7-8)

Students study the story of God from the Old Testament through the New Testament. Students focus on major themes and the context for the books of the Bible. Students are introduced to the basic methods of Bible study, with an emphasis on application. Students continue to learn about the major systematic doctrines about God, the world, and redemption. Students begin to utilize their Bible study skills to express their understanding of God's Kingdom and its integration into daily life.

Principles of Bible Study (Grade 9) Full Year

Principles of Bible Study is an inductive approach to Bible study method. Students learn skills for background study followed by observing, interpreting, and applying scripture. Students learn exegesis and hermeneutical principles. Personal transformation is in view as students encounter the depth of God's word in its original context and in its integration into contemporary context. This course lays the foundation for a Biblical worldview based in Biblical theology.

Old Testament Survey (Grade 10) Full Year

Old Testament Survey focuses on the story of God recorded in the Law, Prophets, and Writings of the Old Testament. Students learn key themes in the context of the Old Testament story with a view toward the fulfillment written about in the New Testament. Students develop exegetical skills by studying the various genres in the Old Testament. The Kingdom of God is studied as the foundation of Biblical theology, a Biblical worldview, and the integration of salvation into daily life.

Life Calling & Dual-Enrollment Life Calling (Grade 11) Full year

This course is offered in partnership with Indiana Wesleyan University, and can be taken for 3 college credits. Introduction to Life Calling is a gateway course that introduces students to the concept of making a positive difference in the world by developing in character, scholarship, and leadership. This course helps students gain an understanding of the Christian way of life and learning that enables virtue, servant leadership, and citizenship in God's kingdom within the context of the concept of life calling and the discovery of one's God-given design as a basis for this calling. This discovery is based on foundational values revealed in the Christian faith. These values form a Christian worldview that students will continue to develop throughout their entire educational experience. This emerging sense of calling can then be used to guide the student in taking actions of personal mission that can lead to greater success in their educational experience, and at the same time helps them make a positive impact in their world around them.

Church History and Doctrine (Grade 12) Full Year

Church History and Doctrine is a survey of leaders, movements, and the development of theology throughout the history of the church. Students learn the core doctrines of systematic theology and the origins of heresies. Doctrinal study includes topics such as the knowledge of God, the Holy Trinity, creation, the nature of man, sin and evil, the covenants of God, the person and work of Jesus Christ, and the Church's mission.

The Apocalypse (Grades 9-12) 1 semester

What is the book of Revelation really about? Why is our culture so interested in discussing the "end times?" In this course, students will read through and study the book of Revelation in a focused, meaningful way. Utilizing effective research tools, practicing responsible study methods, and engaging

in substantive conversation, students will seek to reach their own conclusions regarding this final book of the New Testament canon. (Product: Student-generated commentary/presentation on the book of Revelation.)

World Religions and Philosophy (Grades 11, 12) 1 semester

World Religions and Philosophy explores the beliefs of the world's major religions, including major philosophies that have shaped global societies. Students learn how to evaluate and address world religions and philosophies from a Christian perspective.

Textbooks/Selected Readings: *Mere Christianity* by C.S. Lewis (Harper One Publishing)
That Hideous Strength by C.S. Lewis (Scribner Publishing)
Jesus among Other Gods by Ravi Zacharias (Thomas Nelson Publishing)

International Bible (International Students) Full Year

In the first year of International Bible, students begin by studying the basic components of a worldview and analyzing several different worldviews and religions. After further studying the basic framework of a biblical worldview, students read and discuss *The Story*, a version of the Bible in chronological narrative form. After gaining an understanding of the Bible and its context as a whole, students explore evidence supporting the validity of the Bible with *The Case for Christ*.

Computer Technology

10th Grade Computer, 1 semester

Students will learn the basics of computer hardware, software, security, the internet, coding, and how technology has advanced and changed through the years.

Architectural Design I (Grades 9-12) 1 semester

Architectural Design I is an introductory level computer aided design course where students will learn basic architectural design principles. Students will design a home from the beginning to end including 2D floor plans, 3D computer drawings and a 3D model. Students will learn to use the google Sketchup software to aid them in this process. Architectural Design is a course designed for those with an interest in the advanced use of technology in the field of construction, engineering, and design. Students will use the most modern computer architectural design software and get hands on experience in the vocational field of construction/architecture.

Architectural Design II (Grades 9-12) 1 semester

Architectural Design II is an upper level design course in which students will master the planning and development of the architectural process. Students will work as a group to plan, design and build a model of their project. Students will master the google Sketchup design software.

Prerequisite: Architectural Design I

Architectural Design is a course designed for those with an interest in the advanced use of technology in the field of construction, engineering, and design. Students will use the most modern computer architectural design software and get hands on experience in the vocational field of construction/architecture.

Yearbook (Grades 9-12) Full Year

Yearbook is a full-year course that requires students to create pages for the high school yearbook. Students must have proficient understanding of computer software. Students must also have a competent grasp on writing, as yearbook journalism requires students to write both captions and blurbs featured on the published yearbook pages. Students do a lot of work independently, so students must be self-motivated. This course includes taking quality pictures for the yearbook. Students learn many different skill sets within the curriculum of this course including journalism, time management, deadline achievement, creative thinking skills, and computer art.

Consumer Science/Home Economics

Basic Culinary (Grades 9-12) 1 semester

Basic Culinary class starts with basics about baking, cooking, proper techniques for measuring, cooking terms, proper way to set a formal and informal table and how to safely handle food. The students will have a chance to prepare different meals and desserts and then they will sample and critique them. This course is designed to prepare students to be comfortable but safe in the kitchen. It is also a course that will prepare students who are considering a career in culinary arts.

International Foods (Grades 9-12) 1 semester

This class encompasses a global picture of the foods around the world. Students study many different countries, looking at geographical and cultural characteristics and how they relate to food. They also discover how the United States has been enriched by the ethnic food contributions of others. They prepare and eat some of the food they study. Students will attain a higher level of understanding and appreciation of other countries' eating customs and why people eat what they do. They also learn how to prepare and eat some really delicious food.

Living on Your Own (Grades 9-12) 1 semester

Living on Your Own is an elective for high school students interested in learning about some of the challenges and opportunities they will face when living on their own. Students will learn a variety of content including biblical financial responsibility, basic home repair/maintenance, home chores, time management, spiritual growth, basic culinary, as well as a number of other topics. Students will get to put in practice skills they will use in their post high school lives. Whether the next step is college, vocation or some other future plan these skills and discussions will help students prepare for and navigate the real world.

Fine Arts: Music/Performing Arts

Grade 7 Guitar Class

This course introduces students to the basic guitar skills and techniques. Students need to compare and contrast different types of guitars; define and construct chords; and interpret guitar charts in reference to chord diagrams, tablature, and standard notation. Guitars, music, and other supplies are provided.

Grade 8 Music Appreciation

Students learn aural identification of the various musical eras in relationship to music advancements, cultural context, historical context, and musical instrument developments. Students explore Classical, Romantic, and Impressionistic music in addition to studying music from the Middle Ages, Renaissance, Baroque period, and Twentieth Century.

Band (Grades 7-8)

The middle school band is open to all instrumentalists in grades 7 and 8. The band requires a one-year commitment on behalf of the students. Students create, listen to, and perform activities in addition to rehearsing standard middle school band repertoire. The band performs in the middle school and high school concerts.

Choir (Grades 7-8)

The middle school choir is open to all singers in grades 7 and 8. The choir performs in the Christmas concert and spring arts showcase.

String Ensemble (Grades 7-8)

The middle school string ensemble is open to all string players in grades 7 and 8. This ensemble meets day per week for group instruction. This ensemble is comprised of violin, viola, cello, and string bass performers. This string ensemble performs in the middle school and high school concerts.

High School Band, Full Year

The high school band is open to all instrumentalists in grades 9-12. The band rehearses two class periods per week and requires a one-year commitment on behalf of the students. The band performs repertoire including concert marches, sacred selections, arrangements of popular tunes and standard quality band repertoire in a variety of concerts and performing venues throughout the year. Students are encouraged to study with a private teacher in addition to playing in band. Students have the opportunity to audition and participate in the LLMEA and PMEA District 7 Festival Bands.

High School Choir, Full Year

The high school choir is open to all singers in grades 9-12. The choir rehearses two periods per week. Time is devoted to learning, demonstrating and strengthening good vocal habits, correct posture, accurate diction, as well as performing a variety of musical styles and genres. The choir performs in concerts throughout the year. Students are encouraged to study with a private voice teacher outside of choir. Students have the opportunity to audition and participate in the LLMEA and PMEA District 7 Festival Choirs.

High School String Ensemble, Full Year

The high school string ensemble currently meets to rehearse two periods per week. Students perform select ensemble music for Christmas, the spring concert, and outside playing events as opportunities arise. Students should have at least 3 - 4 years of string instruction, able to play in 1 – 5 position, and use some vibrato in their playing. Students are encouraged to take private lessons outside of school in order to spend time in school working on ensemble/string orchestra music. Students are given the opportunity to audition and participate in the LLMEA and PMEA District 7 Orchestra Festivals. This ensemble includes violin, viola, cello, string bass students. Piano keyboard and harp students may also be incorporated.

Music Theory I (Grades 9-12) Full Year

This class meets two times a week for one year. Class time is devoted to the identification, reconstruction, and application of the following music elements and skills: note/rest values, melodic/rhythmic dictation, tonality analysis, ear training, composition, and chord progression analysis.

Beginner Guitar (Grades 9-12) 1 semester

Guitar class is beginning classroom instruction in guitar. Concepts include: technique, instrument structure, care, tuning, music reading, tablature, chord symbols, strumming accompaniment, singing while playing guitar, basic theory, and group performance. Possible clinics include: instruction in guitar purchase, guitar ipod applications, and use of effects pedals. This class will prepare the student using God-honoring music in the worship, classical, and folk music traditions.

Advanced Guitar (Grades 10-12) 1 semester, Prerequisite: Beginning Guitar

Advanced Guitar class is classroom instruction in guitar beyond basic first position chords, tablature and notation. Concepts include: music reading and notation on all six strings in standard tuning, advanced technique, bar chords, power chords, scale theory, and ensemble playing. Possible clinics include: a field trip to the Martin Guitar factory in Nazareth, PA, a field trip to hear a professional guitarist. Again, this class will prepare the student using God-honoring music in the worship, classical, popular, and folk music traditions.

Songwriting (Grades 9-12) 1 semester

Students learn the fundamentals of songwriting and how to write original lyrics and chord progressions. They will be stretched to create without fear of judgement or perfection. Projects in this class are both collaborative and individually-oriented. Songwriting meets twice a week for one semester.

Fine Arts: Visual Arts

Grade 7 - Principles of Design

Students develop their observational skills as they work from still life and 2-D sources. They begin to improve their understanding of composition through the use of the principles of design. Class critiques and writing assignments allow students to express their thoughts about their own art work and that of their peers. Students complete sketches and learn how to make decisions about content within their own artwork.

Grade 8 - Rendering

Students are presented with projects designed to improve their observational skills and advance their understanding of composition. Projects challenge students to improve their rendering/drawing skills. They apply prior years' objectives to assignments while interjecting their own personal testimony into their art work. The class continues building a strong art vocabulary to be used in class critiques and examinations of art created by master artists. Students complete sketches and learn how to make decisions about content within their own artwork.

Introduction to Fine Arts, Full year

Various forms of media, including slide lectures, film, music, and studio assignments, will be used to investigate the Arts and select historical periods/movements in the Arts. The study of the Arts encourages the appreciation of God's creation, inspires imagination, creativity, and problem solving skills. Students will develop a vocabulary in art terms so they are better able to examine and critique art and are equipped to apply their acquired knowledge to their own pieces of art. Projects include cultural and historical exploration, the Elements & Principles of Design, along with a variety of genres of music, and the creation of responses to those experiences. Students investigate a variety of media and techniques to create multi-media projects.

2D Design, 1 semester, Prerequisite: Introduction to Fine Arts

The 2D Design provides the student with a background in two-dimensional design. Students are encouraged to creatively solve art and design problems. Drawing, painting, printmaking, and mixed media are areas of exploration. Emphasis is on learning to look more carefully at artwork and enhance drawing skills by exploring many techniques and media. Students explore acrylic painting and watercolor painting; they will gain an understanding of color theory in their assignments. In addition, students complete some sketchbook assignments.

This course will provide students interested in any field of art with a solid foundation. Whether students have little or much artistic talent, projects are designed for all who are diligent to have success. The course is designed for all students to discover their potential and be able to continue into a variety of visual art careers.

3D Design/Sculpture (Grades 9-12) 1 semester, Prerequisite: Introduction to Fine Arts

This course focuses on sculptural form and personal expression. Students study both organic form and geometric form, with emphasis on composition and self-expression. This class is for students to focus on the elements and principles of design while they create projects from a variety of media, which may include metal, plaster, wood, textiles, and clay. This course will provide students interested in any field of art with a solid foundation. Whether students have little or much artistic talent, projects are designed for all who are diligent to have success. The course is designed for all students to discover their potential and be able to continue into a variety of visual art careers.

Ceramics/Clay Hand Building (Grades 7-8), 1 semester

This course gives students opportunities in basic construction, yet it will allow personal expression within assignments. Students develop an appreciation of ceramic art through discussion and analysis of each other's work and ceramics in a historical context. At the advanced levels of Ceramics, students will be encouraged to further their ceramic knowledge and creativity through more technically and contextually challenging assignments. Students are expected to bring their prior knowledge learned in Introduction to Ceramics. Sketchbooks are required. Sculptural and functional works are the focus of this course. Students have an opportunity to experience wheel throwing at a very basic level in this course. (Advanced students may register during the Beginning Ceramics class time slot.) This course will provide students interested in any field of art with a solid foundation. Whether students have little or much artistic talent, projects are designed for all who are diligent to have success. The course is designed for all students to discover their potential and be able to continue into a variety of visual art careers.

Ceramics I / Ceramics II / Ceramics III (Grades 9-12) 1 semester, Prerequisite: Introduction to Fine Arts

This course gives students opportunities in basic construction, yet it will allow personal expression within assignments. Students develop an appreciation of ceramic art through discussion and analysis of each other's work and ceramics in a historical context. At the advanced levels of Ceramics, students will be encouraged to further their ceramic knowledge and creativity through more technically and contextually challenging assignments. Students are expected to bring their prior knowledge learned in Introduction to Ceramics. Sketchbooks are required. Sculptural and functional works are the focus of this course. Students have an opportunity to experience wheel throwing at a very basic level in this course. (Advanced students may register during the Beginning Ceramics class time slot.) This course will provide students interested in any field of art with a solid foundation. Whether students have little or much artistic talent, projects are designed for all who are diligent to have success. The course is designed for all students to discover their potential and be able to continue into a variety of visual art careers.

Advanced /Darkroom Photography (Grades 9-12) 1 semester, Prerequisite: Photography

In Advanced Photography, students are encouraged to express themselves through their artwork and to develop their own style as they further their digital camera and editing knowledge/skills. Students develop continued artistic growth in photographic composition and artistic maturity using photographic media. Students use the lighting studio and the darkroom, use professional black and white film, and process their own film and enlargements, along with continuing their use of digital images. Knowledge of composition is paired with communicating ideas and evoking emotion through the artistic medium of photography. This course will provide students interested in any field of art with a solid foundation. Whether students have little or much artistic talent, projects are designed for all who are diligent to have success. The course is designed for all students to discover their potential and be able to continue into a variety of visual art careers.

Jewelry (Grades 9-12) 1 semester, Prerequisite: Introduction to Fine Arts

This elective will allow students to investigate a variety of mediums each semester. We will study organic forms and geometric forms, using a variety of media to create artwork. Projects include basic jewelry-making techniques, wire-working, forging/forming components and findings, beadwork, clay, metal, textiles, leather, wood, etc., and may include pewter casting and copper enameling, as time permits. Emphasis is on composition and self-expression, in creating three-dimensional, wearable artwork. This course will provide students interested in any field of art with a solid foundation. Whether students have little or much artistic talent, projects are designed for all who are diligent to have success. The course is designed for all students to discover their potential and be able to continue into a variety of visual art careers. Jewelry is similar to Sculpture, but with the focus on *wearable* artwork.

Pottery - Throwing on the Potter's Wheel (Grades 9-12) 1 semester, Prerequisite: Introduction to Fine Arts, Teacher Approval

Students will learn to center and throw vessels on the potter's wheel. A main focus will be on tooling, finishing, and glazing. Students will learn to pull and attach handles to their artwork. There will be hand-building components to completed pieces. While utilitarian pieces will be the emphasis, decorative works will be explored. Maximum Students per section: 10 (partners will share five potter's wheels). This course will provide students interested in any field of art with a solid foundation in design. Whether students have little or much artistic talent, projects are designed for all who are diligent to have success. The course is designed for all students to discover their potential and be able to continue into a variety of visual art careers.

Studio Art/Portfolio Preparation (Grade 12) 1 semester, Prerequisite: Introduction to Fine Arts, Teacher Approval

Studio Art/Portfolio Preparation is designed for advanced art students to be able to investigate their art independently. It is a studio class for students to work on portfolio pieces and/or develop their individual artistic strengths. It is an opportunity for students to focus on their artistic study and investigate their chosen medium. Projects are developed with teacher and student input. Students will be expected to be self-motivated and work independently. This course will provide art students with an opportunity to expand on their arts foundation. This course is dedicated to advanced students, with projects designed for in-depth exploration and execution. The course is designed for students to strengthen and further develop their giftings in order to pursue a career in a visual arts field.

Foreign Language

Spanish (Grades 7-8)

Students are given oral and written class work that includes: singing, games, and basic conversation. Students get an introduction to the basic language skills: listening, reading, writing, and speaking, on which an emphasis is placed. Students also learn simple Bible verses and conversational Spanish. Topics covered will include city, sports, family and home. It is possible that some students will have mastered the high school Spanish 1 content by the end of middle school. These select students will be able to enroll in Spanish 2 as freshmen.

Grade 7: first half of Spanish 1

Grade 8: second half of Spanish 1

Spanish 1 (Grades 9-10) Full Year

Students develop an understanding of the grammar, syntax, and usage of the Spanish language in oral and written form. Verb tenses include present, present progressive, and simple preterite verbs. Students learn to converse and write simply about themselves and others using skits and dialogues with topics including family, sports, home, and city. They also learn about cultural events in Spanish-speaking countries. Students recite simple Bible verses.

Textbook: *Avancemos 1*

Spanish 2 (Grades 9-10) Full Year, Prerequisite: Spanish 1

Students continue to develop an understanding of the grammar, syntax, and usage of the Spanish language in oral and written form. Verb tenses include present, present and past progressive, preterite, and imperfect and future tenses. Using varied activities such as dialogue presentations, skits, a puppet show, a fashion show, and writing booklets, students learn to read, converse and write in a more complex manner using vocabulary about pastimes, fashion, cars, and animals. They complete a cultural study of a Spanish-speaking country. Students learn to recite more advanced Bible verses.

Textbook: *Avancemos 2*

Spanish 3 (Grades 10-11) Full Year, Prerequisite: Spanish 2

Students develop a deeper understanding of the grammar, syntax, and usage of the Spanish language in oral and written form and learn to speak and write more creatively. Verb tenses include all from Spanish 2 and the conditional perfects and subjunctive mood. Students learn to talk about, write about, and present Bible stories, and an in-depth study of Mexico. Topics covered include travel, recreation, medicine, and the environment. They learn to pray, including the Lord's Prayer.

Textbook: *Avancemos 3*

Spanish 4 (Grade 12) Full Year, Prerequisite: Spanish 3

Students continue in their comprehension of the grammar, syntax, and usage of the Spanish language in oral and written form. This course is the final preparation for the senior trip with verb tenses including all those from Spanish 3 plus imperfect subjunctive and enables the students to take the CLEP exam. Students complete an in-depth study of Spain, including its history, culture, art, poetry, and literature. Students create a newspaper in Spanish as the final..

Textbook: *Galería de Arte y Vida*

Advanced Placement Spanish, Full Year

While exploring many texts, workbooks, audios, and videos, students use the language in a variety of contexts. Speaking almost entirely in Spanish to enhance their language and cultural learning, students analyze and think critically about the following themes: global challenges, science and technology, contemporary life, personal and public identities, families, communities, beauty, and aesthetics.

Language Arts

Grade 7

Students will review the eight parts of speech and the parts of a sentence. Students will receive instruction in correct usage. Students will read short stories and novels and be introduced to the elements of poetic language. Students will be introduced to ten vocabulary words each week, focusing their word study on Greek and Latin word roots and correct usage. Students will complete various writing projects and begin their study of the formal essay.

Textbooks include: *Easy Grammar: Level 1, and Vocabulary from Classical Roots – Book A, as well as supplemental literature from various sources. Prentice Hall Literature—Bronze*

Grade 8

Students will receive instruction in sentence types, sentence patterns, and the correct use of modifiers. Students will analyze short stories, novels, and poetry; and they will understand the function of various literary devices. Students will be introduced to ten vocabulary words each week, focusing their word study on Greek and Latin word roots and correct usage. Students will create outlines and write both formal and personal essays. Students will use published writing as a model for sentence composing, focusing on sentence variety in their own writing.

Textbooks include: *Sentence Composing for Middle School, Easy Grammar: Level 1, and Vocabulary from Classical Roots – Book B, as well as supplemental literature from various sources. Prentice Hall Literature--Silver*

Foundations of English (Grade 9) Full Year

Foundations of English exposes students to the major literary genres: poetry, drama, the short story, and the novel. Grammar studies include parts of speech, types of sentences, phrases, and clauses. Vocabulary study is emphasized beyond literary context through biweekly vocabulary units of fifteen words each. The essay format is emphasized and writing skills in the four major modes are developed.

Textbooks: *Adventures in Appreciation; Writing and Grammar 9; Vocabulary from Classical Roots (C)*

American Literature (Grade 10) Full Year

American Literature focuses on the works and authors of American literature and their relationship to American history. Grammar studies include correct usage. Vocabulary study is emphasized beyond literary context through bi weekly vocabulary units of fifteen words each. Writing exercises center on analytical essays, culminating with a research paper.

Textbooks: *Elements of Literature: Essentials of American Literature*; *Sadlier-Oxford Grammar for Writing: Level Orange*; *Vocabulary from Classical Roots (D)*

British Literature (Grade 11) Full Year

British Literature focuses on representative selections of British literature from the Old English, Middle English, and Modern English periods and their relationship to British history. Vocabulary study is emphasized beyond literary context through bi weekly vocabulary units of fifteen words each. Grammar studies include a review of sentence structure and sentence types, as well as some SAT prep work. Writing exercises include the review of the essay format with a focus on the critical analysis of literature.

Textbooks: *Elements of Literature: Essentials of British and World Literature*; *Vocabulary from Classical Roots (E)*

Advanced Placement Literature and Composition (Grades 11, 12) Full Year

Advanced Placement Literature and Composition focuses on the careful reading and critical analysis of imaginative literature. Students sharpen their awareness of language and their understanding of the writer's craft. They develop critical standards for the independent appreciation of a literary work. They also learn to consider works of English literature in their historical context. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays.

Textbooks: *Literature: Structure, Sound, and Sense*; *Beowulf and Related Meanings*; *The Canterbury Tales: Selected Works and Related Meanings*; *Macbeth: Comprehension, Analysis, Composition*; *Vocabulary Energizers I*

College Prep Biblical Worldview Literature and Composition (Grade 12) Full Year

Biblical Worldview Literature and Composition focuses on both Christian and secular classics with an emphasis on analyzing all literature from a Christian perspective. The course includes an in-depth reading of *Hamlet*, and a large poetry unit featuring a study of a wide variety of poets. Vocabulary study beyond literary context is emphasized through bi weekly vocabulary units of twenty words each. A grammar review refines previously learned skills and knowledge and writing exercises center on the SAT essay and the five-paragraph expository essay. One major culminating research project is also assigned.

Textbooks: Various representative novels and short stories; *Hamlet*; *Vocabulary for Achievement: Sixth Course*, *Grammar and Writing for Standardized Tests*

Advanced Placement: Language and Composition (Grades 11, 12) Full Year

Advanced Placement Language and Composition focuses on guiding the students in the development of their own writing styles. Students study the discipline of writing and also study a number of essays, letters, speeches, and sermons from different historical periods. Students learn to write well-constructed essays in a number of rhetorical modes. Students complete an extended research paper.

Textbooks: *Writing Well*; *Short Takes: Model Essays for Composition*; *Vocabulary Energizers II*

Creative Writing Elective (Grades 9-12) 1 semester

This course offers students an opportunity to explore writing in a writer's workshop environment. Investigating the works of published authors, student writers will incorporate new techniques into their

own works of fiction, memoirs, or poetry. This class is perfect for students interested in the use of language and in exploring and developing their own creative writing abilities.

Mathematics

Grade 7

Students will review operations with exponents, decimals, percent, integers, and fractions. They will be able to solve equations and inequalities. Ratios and rates will be used to solve proportions as well as applications involving congruent/similar figures. Students will be able to identify geometry concepts such as lines, planes, and angles. They will practice using formulas to find the perimeter, area, and volume in a variety of shapes. Students will also work with patterns, formulas, data display and analysis, probability, and word problems. This course requires students to do almost all calculations without the aid of a calculator. Calculators are not required.

Textbook: *Mathematics Course 2 by Pearson/Prentice Hall (2010)*

Grade 8

Students will review operations with integers, exponents, fractions, percent, and decimals. They will also review equations and inequalities. The coordinate plane will be used to graph points and lines. Students will review the process of identifying geometry concepts, writing equations, and translating objects. They will be able to work with and manipulate formulas as well as find the perimeter, area, and volume of objects. Ratios, rates, and proportions will be used to solve a variety of problems. Students will be able to display and analyze data, find probability, solve word problems, and discover algebraic relationships. This course requires students to do almost all calculations without the aid of a calculator. Calculators are not required.

Textbook: *Mathematics Course 3 by Pearson/Prentice Hall (2010)*

Algebra 1 (Grades 8, 9) Full Year

Algebra 1 reviews properties of numbers and solving basic equations, inequalities, and proportions. Graphs of linear, quadratic, and exponential equations are introduced and reviewed. Students write equations of lines. They also solve systems of equations using algebra and graphing. Exponent rules are reviewed. Factoring polynomials leads to solving quadratic equations. Students simplify radical expressions and solve equations. Students work with rational expressions, their graphs, and solving equations with rational expressions. A graphics calculator (TI-83 or TI-84) is required.

Textbook: *Algebra 1 (Prentice Hall, 2011)*

Intermediate Algebra (Grades 9, 10) Full Year

Intermediate Algebra provides a thorough review of pre-algebra skills, including the simplification of algebraic expressions and solving equations in one variable. Once students are properly equipped, the course leads students through a thorough investigation of multiple representations of linear functions. The course will then take a precursory look into quadratic functions: particularly graphing quadratics, finding zeros by factoring and quadratic formula, and application of quadratics to real-world scenarios. A graphics calculator (TI-83 or TI-84) is required.

Geometry (Grades 9, 10) Full Year

Students study logic and reasoning in writing proofs. They also graph and write equations of lines. Proportions and scale drawings are reviewed. Right triangle trigonometry is used to find sides, angles, and area of regular figures. Properties of quadrilaterals are reviewed. Surface area and volume are emphasized. Tangents and circles are introduced. Transformations stress how a figure changes visually. A scientific calculator is required.

Textbook: *Geometry (Prentice Hall, 2011)*

College Prep Algebra 2 (Grades 9, 10, 11) Full Year

A review of Algebra 1 skills begins the Algebra 2 course, including equations, inequalities, systems of equations, and quadratic equations. Matrices are introduced and used to solve systems of equations. Solving polynomial, radical, and rational exponential functions incorporates factoring and graphing concepts. Exponential functions are reviewed and used to introduce logarithms. The conic sections are both reviewed (circles and parabolas) and introduced (ellipses and hyperbolas). Sequences and series are used to write functions. Periodic functions and trigonometric ratios incorporate solving trigonometric equations and the use of identities along with their graphs. A graphics calculator (TI-83 or TI-84) is required.

Textbook: *Algebra 2 (Prentice Hall, 2011)*

General Algebra 2A (Grades 11, 12) Full Year

General Algebra 2A is the College Preparatory Algebra 2 course at a slower pace. A review of Algebra 1 skills begins the Algebra 2A course, including equations, inequalities, systems of equations, and quadratic equations. Matrices are introduced and used to solve systems of equations. Solving polynomial, radical, and rational exponential functions incorporates factoring and graphing concepts. Exponential functions are reviewed and used to introduce logarithms. Sequences and series are used to write functions. An introduction to periodic functions and trigonometric ratios is included. A graphics calculator (TI-83 or TI-84) is required.

Textbook: *Algebra 2 (Prentice Hall, 2011)*

Honors Pre-Calculus (Grades 11, 12) Full Year

Pre-Calculus is a rigorous review of Algebra 2 with an introduction to Calculus concepts to finish the course. Polar coordinates, complex number, parametric equations, and combinatorics are introduced within the material. A graphics calculator (TI-83 or TI-84) is required.

Textbook: *Advanced Mathematical Concepts: Pre-calculus with Applications (Glencoe, 2004)*

Advanced Placement Calculus AB (Grade 12) Full Year

In Calculus AB, students learn differentiation, limits, infinite series, and integration. Techniques for differential and integration for logarithmic, exponential, and other transcendental functions is also included. Use of algebra skills is a core component to all topics taught. A significant amount of time focuses on practicing for the AB Advanced Placement exam in early May. A graphics calculator is required (TI-83 or TI-84).

Textbook: *Calculus of a Single Variable 8th Edition (Houghton Mifflin, 2006)*

Personal Finance (Grade 12) Full Year

Personal Finance is an excellent class which prepares seniors for adult-life money management. Job searches, resume-writing, and recommendations-obtaining are completed, along with attending a job fair. Creating a budgeting for, shopping for, purchasing, and maintaining key items such as a vehicle, apartment/house, and other major purchases are practiced with different incomes. Tithing, the consequences of debt and how to stay out of debt, responsible investing, FICO, planning to pay for higher education and student loans, selecting a bank or credit union, and filing taxes, along with other financial decisions are learned. Individual research projects are a key component to this course, and include a variety of areas, such as Career Planning, budgeting scenarios, meal planning, vacation planning, and other adult-life situations. A basic calculator is required.

Textbooks: *Financial Peace School Curriculum: Foundations in Personal Finance*, by Dave Ramsey (Lampo Press, 2008), *Consumer Mathematics (Globe Fearon, 2004)*, selected readings from *Debt-Free Living* by Larry Burkett.

Physical Education

Physical Education (Grades 7, 8)

Students will learn to appreciate and care for their bodies as temples of the Holy Spirit. Each student is created in the image of God and possesses a variety of gifts and abilities which students must discover and strengthen. Students will be taught the importance of lifelong fitness and will be given opportunity to perform a variety of activities. Students will participate in the President's Challenge yearly as well as other skills tests. Students will be introduced to a variety of sports and will learn proper technique, vocabulary, strategy and given the opportunities to compete.

Girls' Fitness (Grades 9-12) 1 semester

In the fitness courses offered as electives: (beginning weight training, advanced weight training and girls' fitness) students are taught and instructed about different body parts (i.e. muscles, tendons, joints ligaments etc.) and how they function and interact. They are taught how to strengthen such and alternatives in case of injury or limitations. They are also taught how to use a weight room and training to address certain sports and activities as well as muscle groups. This course also includes stretching and Pilates work.

Weight Training (Grades 9-12) 1 semester

Weight Training is primarily student initiated. Students develop and implement a personal program to later workout under teacher supervision. In the fitness courses offered as electives students are taught and instructed about different body parts (i.e. muscles, tendons, joints ligaments etc.) and how they function and interact. They are taught how to strengthen such and alternatives in case of injury or limitations. They are also taught how to use a weight room and training to address certain sports and activities as well as muscle groups.

Advanced Physical Education (Grades 9-12) 1 semester

Advanced physical education class is for students interested in participating in traditional activities at a competitive level. Class activity emphasizes fitness through participation and effort as well as a higher level of skills and strategy. The class is recommended for students who really enjoy physical activities and playing competitive games such as handball, volleyball, soccer, football, softball and other active sports. Many students are unable to display their full athletic skills in a typical physical education class. This elective allows for those students with above average athletic ability to use their skills and compete against other students with a similar skill set in a highly competitive atmosphere. Their athletic skills and the knowledge the students gain from this elective will help guide them in figuring out what course of study they may want to venture into. Whether that be sports management, athletic training, coaching, teaching or just for gaining a lifetime skill.

High School Physical Education Full Year

Students perform fitness work that takes into account the five major aspects of physical fitness: strength, muscular endurance, cardiovascular health, flexibility, and body composition. The standards of the Presidential Committee of Physical Fitness are used for physical fitness testing. Students also practice sport skills that cover hand-eye and foot-eye coordination, while learning the ideals of working as a team and trying one's best. Students learn sports that they can play throughout their lives, including sports from other countries.

Health (Grade 10) 1 semester

Health covers nutrition, eating disorders, drug and alcohol abuse, problem solving, and personal care and appearance. The class utilizes discussion groups, student presentations, videos, outside speakers, and essays to facilitate learning.

Science

Grade 7

Students explore the characteristics and structures of microscopic and macroscopic life as we classify the kingdoms of life. We will also cover the debate over evolution and creation. Finally, an overview of the genetic makeup of living things will be covered in this class.

Textbook: *Life Science by Christian Schools International (2002)*

Grade 8

Students explore our changing planet in regards to its geosphere, hydrosphere and atmosphere. This includes physical features of the Earth and the processes that affect them. We will also cover astronomy and the planets in our solar system. All topics include hands on laboratory activities as well as model based inquiries.

Textbook: *Earth Science by Prentice Hall (2009)*

Physical Science (Grade 9) Full Year

Physical Science provides an introductory study of physics and chemistry with both hands-on learning activities and laboratory experiences. Physics topics include motion, speed, acceleration, forces, Newton's Laws, thermodynamics, and waves. Chemistry topics include atoms, elements, chemical bonds, chemical reactions, solutions, and mixtures.

Textbook: *Science Spectrum Physical Science, Holt Publisher (2013)*

Biology (Grades 9, 10) Full Year

In College Preparatory Biology, students study living portions of God's creation. They learn to recognize characteristics of life and understand basic life processes and structures. Students study the movement of energy through ecosystems and identify how organisms interact with each other and with their environment. Students also explore Biblical stewardship as they learn how man impacts the environment.

Textbook: *by Stephen Nowicki (Holt-McDougal, 2012)*

Chemistry (Grades 10, 11, 12) Full Year, 1 credit

College Preparatory Chemistry is designed to give college-bound students a solid understanding of a wide range of chemistry concepts. Chemistry is the study of matter; we explore how it has been designed by God and how it undergoes changes. Students study these reactions at the subatomic, atomic, molecular, and system levels. Topics include formulas, reaction types, bonding, stoichiometry, and a study of gas laws.

Textbook: *Modern Chemistry (Holt, McDougal, 2015)*

Physics (Grades 11, 12) Full Year, Prerequisite: Enrollment in or completion of Pre-calculus

Physics covers a variety of physics topics, such as the mechanics of motion, forces, various types of waves, fluid mechanics and buoyancy, and projectile motion. Students must have the ability to use geometry concepts and will be expected to complete problems using various types of physics laws in the form of equations. Students have the opportunity to complete experiments and activities designed to enhance the physics experience and develop their proficiency at writing lab reports.

Textbook: *Active Physics, Its About Time Publisher (2010)*

Environmental Science (Grades 11, 12) Full Year

Environmental Science focuses on the interactions between the physical environment and living things from a human perspective. This course has three main foci: natural resources, ecology, and easily misunderstood current topics (global warming, environmental movement, carbon footprint, etc.) Students study these topics from a creation-based perspective.

Textbook: *Environmental Science (Holt, 2012)*

Applied Chemistry (Grades 11, 12) Full Year

Applied Chemistry is a study of chemistry geared to an understanding of everyday concepts and uses. Students learn basic chemistry concepts about atoms, chemical bonds, periodic law, chemical reactions, acids and bases, stoichiometry, and gas laws. Students participate in hands-on experiments based on the concepts about everyday chemistry.

Textbook: *Chemistry, (Pearson Globe, 2007)*

Advanced Placement Biology (Grades 11, 12) Full Year

Advanced Placement Biology is a further study of Biology concepts that is designed to be like a college course in its pacing and depth. Emphasis will be place on cell biology, genetics, and God's design of living systems. Laboratory activities comprise at least one-fourth of classroom time.

Textbook: *Campbell, Reece. Biology (Pearson, 2008)*

Astronomy (Grades 9-12) 1 semester

Astronomy Elective is designed to give students the opportunity to explore the wonders of the universe that God has created. Students investigate our solar system, the constellations and deep space objects using a variety of video, field trips, projects and direct observations.

Forensics (Grades 9-12) 1 semester

Forensics is an introduction to techniques and methodology used in forensic science to solve crimes. Students will participate in a variety of hands-on activities similar to those used by forensic scientists. Activities will include fingerprint analysis, hair and fiber examination, blood-typing, spatter pattern analysis, trace evidence collection, chromatography, and more. Skills acquired in other classes will be applied in this course including the use of a microscope and mathematical calculations. The culmination of the class will be a mock crime scene in which students will participate as a member of a team to gather and analyze evidence leading to the solving of the "crime."

Microbiology (Grades 9-12) 1 semester

Microbiology Elective is designed to give students the opportunity to explore the wonders of microbiological life that God has created. Students investigate the forms of microbiological life, epidemiology, and disease prevention and cure using a variety of video, guest speakers, projects and laboratory practice.

Robotics (Grades 9-12) 1 semester

Robotics is designed to give students the opportunity to create, design, and do multiple projects using Lego Mindstorms Robotics kits. Students investigate engineering, physics, and programming as they solve problems with their robots.

Wildlife Biology (Grades 9-12) 1 semester

Wildlife Biology will provide students with the skills and opportunities to collect and analyze data of local plant and animal populations. They will apply their knowledge to game population studies and conservation planning. This class is part of the Academy of STEM.

Social Studies

Ancient World History (Grade 7)

Students spend the year in an overview of Ancient World History beginning with Creation and following through the major ancient civilizations up through the Middle Ages. Biblical and Church histories are integrated into the study. Methods of instruction include textbooks, artifacts, student presentations, video and DVD clips, literature.

Textbook: *Journey Across Time The Early Ages*, Glencoe 2008

United States History I (Grade 8)

United States History studies Federalism through the post-Civil War Reconstruction Era. Students develop a basic understanding of the unique American culture developed through the arts and literature of the day. The course examines sectional philosophies through a review of colonial development, while learning the direct causes and effects that led to the tragic American Civil War. Students utilize textbook, literature, art, research projects, video, artifacts, field trips, student presentations. The class will complete the year with our annual three-day bike tour/trip while at Gettysburg.

Textbook: *The American Journey, Early Years*: Glencoe 2009

Modern World History II (Grades 9, 10)

Students learn modern world history from a chronological approach regarding various time periods and a thematic approach, such as empire building, imperialism, the Cold War, world wars and developing nations. The course begins with the Renaissance and concludes with current world history. A biblical world view is emphasized.

Textbook: *World History, The Modern Era* (Prentice Hall)

United States History II (Grades 9, 10)

College Preparatory United States History II continues American studies as a rebirth of the nation following the Reconstruction Era. The course studies the conflicts and events which defined our higher purpose and culminate with current U.S. history topics. Students will experience United States history up to and including World War II.

Textbook: *The American Vision, Modern Times* (Glencoe)

United States History 3: Modern Times (Grade 11, 12)

Our college preparatory United States History continues American studies with the end of World War II through the Cold War years and culminating with current issues. The course will compare and contrast United States history with global history and issues. Students will gain an understanding of the importance of economics and ethical decision making processes.

Textbooks: *United States History & Geography: Modern Times* (Glencoe)

Government/Civics/Economics (Grades 11, 12)

College Preparatory Government teaches students the fundamental principles on which our government is based as well as giving the students an introduction to economic concepts. The course is designed to give students a basic knowledge of both government and economics and how they apply to the realms of person, home, and business. Through the use of decision-making activities, debates, Supreme Court case studies, and visiting speakers students will learn the concepts of ethics and importance of citizenship and the duty of American citizens.

Advanced Placement United States History (Grades 11, 12)

Advanced Placement United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and documents in United States

history. Students engage in significant primary document research, analytical writing, and preparation for the AP U.S. history examination.

Textbooks: *The American Pageant, A History of the American People*, (Wadsworth Cengage Learning)
The American Spirit, vols. 1&2, (Wadsworth Cengage Learning)

Advanced Placement Government and Politics (Grades 11, 12)

The goal of Advanced Placement Government and Politics is to provide students with the equivalent of a college-level introductory course in American government and politics. Students engage in significant primary document research, analytical writing, and preparation for the AP U.S. Government and Politics examination.

Textbooks: *American Government and Politics Today* (Cengage Learning, 2015-16)
Government By the People: 2009 National Edition (Longman Publishing)

The American Judiciary (Grades 9-12) 1 semester

Students will learn about the court system of the United States, both at the state and federal levels. Through meaningful analysis and lively dialogue, students will wrestle with the difficult legal questions of our day in light of a biblical worldview. (Product: Reports on class visits to the Lancaster County Court of Common Pleas and possibly a federal court.)

History of the Vietnam War (Grades 9-12) 1 semester

Students will be introduced to the Vietnam War and its impact on the United States through the use of informal discussion, primary sources, and documentaries. Politics and Hollywood have removed the truth of this war from the textbooks and film. Students will journal and prepare a minor project as they develop a more comprehensive understanding of the war and its aftermath.

Students will compare the contrast the role of economics and its impact on how the war was fought.

Resource reading: The Politically Incorrect Guide to the Vietnam War, Phillip Jennings
Supplemental Reading: Unheralded Victory, The Defeat of the Viet Cong and North Vietnamese Army, 1961-1973, by Mark W. Woodruff

World War II (Grades 9-12) 1 semester

Students will gain a basic understanding of the causes of World War II beginning with the end of World War I. Through the use of multiple documentaries we will explore the history and horror of the war years from an American perspective by following the lives of average citizens. Students will learn about the human cost of war and how World War II led the world into the Cold War. Students will journal and prepare a project. World War II is the most studied topic in American history. Students of this era will enjoy this elective.

Other Courses

Directed Studies (Grades 7-12) Full Year (Assisted Learning Enrollment and Fee required)

The Directed Studies class is a for credit class designed to provide instructional assistance to students who struggle to achieve success in the regular classroom. The class is designed to help students master content area classes, while developing necessary study and organizational skills. Students enrolled in the course are eligible for individualized accommodations.

Dual Enrollment with HACC (Grade 12); additional fee

LCCS has an agreement with HACC for seniors to take courses at the HACC campus and receive both college and high school credit for the course. Contact the College and Career Office for more information.

Online Courses (Grades 9-12) additional fee

Students may earn high school credits to transfer to Lancaster County Christian School through North Star Academy or Seven Star Academy. These courses are 180 hours of instructional time, or 1 hour a day, 5 days a week. A full credit is given when the work is completed and transcripts are sent to LCCS. Prices range from \$425 to \$570 per course. LCCS will accept courses that are taken at both North Star Academy and Seven Star Academy and should be chosen with the help of the College and Career Office.

Public Speaking (Grade 11) 1 semester

Public Speaking focuses on training students to become relaxed and confident speakers, the students learn the techniques needed to deliver a speech a number of different situations. The students also learn how to write a successful speech. The students deliver approximately eight speeches and readings during the course. They study famous speakers and speeches. Additionally, students learn to be attentive listeners to evaluate the words and ideas of speakers in the public arena.

English as a Second Language (ESL) Waived based on TOEFL scores

Students will develop basic English language skills needed in the classroom for reading, listening, writing and speaking. Focus will be on listening and speaking tasks necessary to satisfy classroom and social demands, work requirements, and reading and writing skills.

Teacher's Aide (Grades 11-12) (Application required)

The Teacher's Aide position is considered an academic relationship between a teacher and a student for the purpose of developing godly character in the student and teaching valuable skills; at the same time, this offers needed assistance to the teacher. The student is required to complete tasks in a timely and orderly manner. The student is graded on punctuality, reliability, initiative, attendance, diligence, competency, cooperation, positive attitude, and caring.

Work Study (Grade 12) (Administrative approval required)

Students who work at least 20 hours a week can apply to leave school early to go to work. The student must sign an agreement with their supervisor and the supervisor will grade the student.

Internship/Ministry Opportunity (Grade 12) Administrative approval needed

Students may use up to two periods a day to participate in pre-approved off-campus internships or ministry opportunities. The student must sign an agreement with their supervisor, complete various assignments, and be assessed by their supervisor.