



CATALOG OF COURSES

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Christian Academy of Arts, Science and Technology CATALOG OF COURSES

No high school credit is earned in grades 7 and 8 (unless student registers for high school courses).

Grade 7

Bible

English

Mathematics

Spanish (optional)

Science

Social Studies

Reading

Grade 8

Bible

English

Pre-Algebra

Spanish (optional)

Science

American History

Reading

A minimum of 21 credits are needed to earn a high school diploma; 24 credits = college prep diploma.

Grade 9

- Bible I 1 credit
 - English I 1 credit
 - Algebra I 1 credit
- Pre-requisite = grade 8 Math/Pre-Algebra
- General Science 1 credit
 - Spanish I 1 credit
 - Social Studies 1 credit
 - Computer Basics 0.5 credit
(grade 9 or 10)

Grade 10

- Bible 2 1 credit
- English 2 1 credit
Pre-requisite = English I
- Geometry 1 credit
Pre-requisite = Algebra I
- Biology 1 credit
- Spanish 2 1 credit
Pre-requisite = Spanish I
- World History 1 credit
- Health 0.5 credit

Grade 11

- Bible 3 1 credit
- English 3 (Literature I) 1 credit
Pre-requisite = English I and 2
- Algebra 2 1 credit
Pre-requisite = Algebra I and Geometry
- Chemistry 1 credit
Pre-requisite = Earth or Physical Sc, Algebra I, and Geometry
- U. S. History 1 credit
- Music/Art* 1 credit
- Public Speaking 0.5 credit
- ACT/SAT Prep** 1 credit

Grade 12

- Bible 4 1 credit
- English 4 (Literature II) 1 credit
Pre-requisite = English I and 2
- Consumer Math 1 credit
Pre-requisite = Algebra I
- Physics/Physical Science 1 credit
Pre-requisite = Algebra I and Geometry
- Pre-Calculus*** 1 credit
Pre-requisite = Algebra 2
- Anatomy & Physiology*** 1 credit
Pre-requisite = Biology

*Music and Art: participation in music groups is required by all grades. Only one credit earned.

****ACT/SAT Prep: grades 10 to 12. Only one credit is earned.**

***Pre-Calculus / Anatomy & Physiology: optional; recommended for students who desire to pursue higher Science studies.

Life Skills: sewing, gardening, money management, cooking, auto (oil and tire change), etc. are taught to grades 9 to 12. One credit is earned each year.

PE: all grades. One credit is earned for high school.

Community Service hours: a minimum of 20 per year; all grades; required for high school diploma.

Course Descriptions

Grade 7

Bible: A one year course which teaches the student the reasons for the great controversy between Christ and Satan. Each one will understand plan of salvation and be able to personalize it, understanding that Jesus came to save everyone. Our goal is to not only prepare ourselves to meet Jesus triumphantly when Jesus returns, but to invite others to join us.

Text(s): *Bible.*

The writings of Ellen G. White and other historical figures of the Seventh-day Adventist Church will also be referenced.

Meeting times: 1 times per week.

Session time: 50 to 55 minutes

Homework: optional **Grades:** based upon class participation, completed assignments, and tests/exams.

English: This continues the years of learning to properly read and write using the English Language. The course is designed to teach the student correct parts of speech, word usage, punctuation, capitalization, sentence structure, oral and written compositions, vocabulary, word histories, report and expressive writing, and the proper use of reference aids.

Bible stories and verses will be incorporated into each lesson.

Text(s): *English Level 7* (Christian Light Education)

Meeting times: 4 times per week.

Session time: 50 to 55 minutes

Homework: at least 2 times per week. **Grades:** based upon class participation, completed assignments, and tests/exams.

Mathematics: Students will enjoy learning more about integers, whole numbers, rational numbers, fractions, decimals, number theory, algebraic expressions and equations, problem solving, ratio, proportion, percentages, graphing, measurements, statistics, and probability.

Text(s): *Math Level 7* (Christian Light Education)

Meeting times: 4 times per week.

Session time: 50 to 55 minutes

Homework: daily **Grades:** based upon class participation, completed assignments, and tests/exams.

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Spanish: At the end of the year, students will be able to understand and converse using simple language terms: greetings, names, professions, the alphabet, counting 0 to 199, months, days, seasons, meals, family members, school terminology, activities, and clothing; parts of speech (plurals, possessives, direct objects, subjects), and conjugating some verbs.

Text(s): Text may vary depending on the teacher's choice.

Meeting times: 3 times per week.

Session time: 50 to 55 minutes

Homework: 2 times/week Grades: based upon class participation, completed assignments, and tests/exams.

Science: Students will learn of God's creative power and each learns of cells, genes, invertebrates, forces, motion, astronomy, and sexual issues.

Text(s): *Science Level 7* (Christian Light Education)

Meeting times: 4 times per week.

Session time: 50 to 55 minutes

Homework: at least 2 times per week Grades: based upon class participation, completed assignments, and tests/exams.

Social Studies: General knowledge of the world around us: independence of its peoples and nations, geography and world patterns; learn to interpret graphs, maps, timelines, and charts.

Text(s): *Across the Ages* (Christian Light Education)

Meeting times: 2 times per week.

Session time: 50 to 55 minutes

Homework: at least 2 times per week Grades: based upon class participation, completed assignments, and tests/exams.

Reading: Students will build vocabulary, examine literary elements, interpret literary techniques, identify genres, practice types of writing, and learn critical thinking skills.

Text(s): *The Road Less Traveled* (Christian Light Education)

Meeting times: 2 times per week. Session time: 50 to 55 minutes Homework: once per week

Grades: based upon class participation, completed assignments, and tests/exams.

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Grade 8

Bible: A one year course which teaches the student of the joys and responsibilities of one's life since Jesus has transformed him/her.

Text(s): *Bible*.

The writings of Ellen G. White and other historical figures of the Seventh-day Adventist Church will also be referenced.

Meeting times: 1 times per week.

Session time: 50 to 55 minutes

Homework: daily **Grades:** based upon class participation, completed assignments, and tests/exams.

English: Students are taught proper sentence structure and patterns, paragraphs in composition, parts of speech, with an emphasis in grammar; creation of letters and reports; library and dictionary/thesaurus skills are developed

Bible stories and verses will be incorporated into each lesson.

Text(s): *English Level 8* (Christian Light Education)

Meeting times: 4 times per week.

Session time: 50 to 55 minutes

Homework: at least 2 times per week. **Grades:** based upon class participation, completed assignments, and tests/exams.

Pre-Algebra: Students will continue to explore mathematical concepts: build on the concepts taught in grade 7, and introduce exponents, metric system, geometric figures, right triangle relations, and flow charts. Upon completion of this course, student will be ready for Algebra 1.

Text(s): Larson, Boswell, Kanold, Stiff, Heath *Passport to Algebra and Geometry*

Meeting times: 4 times per week.

Session time: 50 to 55 minutes

Homework: daily **Grades:** based upon class participation, completed assignments, and tests/exams.

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Spanish: After completion of Spanish in grade 8, the students will learn new topics: vacations, nature, weather, the home, health, body parts, directions, community information, counting from 0 to 1000, time, and the environment; more verbs (past, present, and future tenses), indirect objects, comparisons, commands, and continue to develop skill in sentence construction.

Text(s): Text may vary depending on the teacher's choice.

Meeting times: 2 times per week.

Session time: 50 to 55 minutes

Homework: twice/week Grades: based upon class participation, completed assignments, and tests/exams.

Science: Students will continue to learn of God's creative power and each learns of cells, genes, invertebrates, forces, motion, astronomy, and sexual issues; they will begin to understand how they can defend their beliefs as Creationists.

Text(s): *Science Level 8* (Christian Light Education)

Meeting times: 4 times per week.

Session time: 50 to 55 minutes

Homework: at least 2 times per week Grades: based upon class participation, completed assignments, and tests/exams.

American History: from before Christopher Columbus to post 9/11. Special focus will be made on North American geography during the Age of Exploration, the birth of American democracy, the growth and expansion of the United States.

Text(s): *Changing Frontiers* (Christian Light Education)

Meeting times: 4 times per week.

Session time: 50 to 55 minutes

Homework: at least 2 times per week Grades: based upon class participation, completed assignments, and tests/exams.

Reading: Students will build vocabulary, examine literary elements, interpret literary techniques, identify genres, practice types of writing, learn critical thinking skills, and will respond to truths illustrated in the stories.

Text(s): *Where Roads Diverge* (Christian Light Education)

Meeting times: 2 times per week. Session time: 50 to 55 minutes Homework: once per week

Grades: based upon class participation, completed assignments, and tests/exams.

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Grade 9

Bible: A 4-year curriculum which takes the student through a study of the Bible, introducing each one to God, our Creator and Friend. The cycle is as follows: MAY BE ADJUSTED DEPENDING ON AVAILABILITY OF STAFF.

Texts may vary depending on the choice of teacher.

1. Text Books: *"In the Beginning God..."* and *"God's Gift Our Choice"*.
2. Text Books: *"HIS Story Just In Time"* and *"HIS Story In Our Time"*.
3. Text Books: *"Daniel and Revelation"*, *"Romans"*, *"Beliefs"*, and *"Friendships"*.
4. Text Books: *"Worldviews and Religion"*, *"Life Philosophy and Issues"*, *"Hebrews"*, and *"Marriage and Family"*.

Each of these books is produced under the auspices of the North American Division of Seventh-day Adventist, Office of Education.

The Bible is the main source of all information. The writings of Ellen G. White and other historical figures of the Seventh-day Adventist Church are also referenced.

All grades (9 through 12) study this course together.

Credit earned: 1 per year Meeting times: 3 to 4 times per week Session time: 1 hour

Weekly homework: Students are expected to complete assignments at least once per week.

Grades: based upon class participation, completed assignments, test/exams.

English 1: Students will focus on grammar and usage. They will learn to write an essay answer, make speeches and at the end of this course, students will have learned how to properly do a research paper.

Text Books: *English I* (Christian Light Education)

The Library is visited regularly (at least once per 2 weeks). Students will read books of their choice within the theme of study.

Bible stories and verses will be incorporated into each lesson.

Credit earned: 1 per year Meeting times: 3 to 4 times per week Session time: 1 hour

Weekly homework: Students are expected to complete assignments at least once per week.

Grades: based upon class participation, completed assignments, test/exams.

Algebra 1: Students will be taught to build their mathematical skills and combine them with everyday concepts. Problem solving abilities will be taught such that the student is able to incorporate such skills into daily living.

Text Books: *Holt McDougal Larson Algebra 1* and/or *Christian Light Algebra 1*

Credit earned: 1 per year Meeting times: 3 to 4 times per week Session time: 1 hour

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Weekly homework: every day Grades: based upon class participation, completed assignments, test/exams.

General Science: Upon completion of this course, students will have a better understanding of our home, Earth: that God is the Creator and Sustainer of all things, visible and invisible. An overview of the composition of the earth, surface processes, the atmosphere and the oceans, the dynamic earth (volcanoes, earthquakes), our resources, and an exploration of space.

Students will learn to defend their beliefs as Creationists.

Text Books: *Science Level 9* (Christian Light Education) and *Creation and Evolution* by Dwight Nelson. The Bible will also be used as a reference, OR *Discovering Design with Earth Science* (Berean Builders)

Credit earned: 1 per year Meeting times: 3 to 4 times per week Session time: 1 hour

Weekly homework: Students are expected to complete assignments at least once per week.

Grades: based upon class participation, completed assignments, test/exams.

Spanish 1: Each student will learn how to communicate at school (la escuela), in the classroom (la clase), talk of the weather (el tiempo). They will be introduced to cultures of countries around the world in which people speak Spanish, and understand that they expand their career opportunities by learning another language which is the second most spoken language in the United States.

Text Books: Determined by the Teacher.

The Spanish Bible will also be used as a reference.

Credit earned: 1 per year Meeting times: 2 times per week Session time: 1 hour

Weekly homework: Students are expected to complete assignments every day.

Grades: based upon class participation, completed assignments, test/exams.

Social Studies: Students will learn of the United States Government, and Geography of our world.

Text Books: *Civics and World Geography* (Christian Light Education)

Credit earned: 1 per year Meeting times: 3 to 4 times per week Session time: 1 hour

Weekly homework: Students are expected to complete assignments at least once per week.

Grades: based upon class participation, completed assignments, test/exams.

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Music: History of Hymns and their writers, Understanding the Organization of the Hymn Book, Reading Music (Music Theory), Singing, Playing the Bells (when available).

Private lessons in Piano and Violin/Viola and Cello are also offered (as needed).

Students will learn that God embraces music and expects us to enjoy it as we sing and play to His honor and glory.

Text Books: Various music pieces, the Seventh-day Adventist Hymn Book, Several books as they teach of the history of music and its writers.

Credit earned: 1 over 4 years Meeting times: once per week. Session time: 1 hour

Weekly homework: as necessary. Private students are expected to practice every day for at least 30 minutes.

Grades: based upon class participation, completed assignments.

Art: This is a fun class, where students are allowed to let their creative juices flow. Drawing, painting, cutting, pasting, taping, coloring – now they understand why they needed to go to Kindergarten class!

Text(s): None Meeting times: 1 time per week. Session time: 1 hour Homework: None

Grades: based upon class participation Credit earned: 1 over 4 years

Computer Basics: This course takes the students through a brief history of computers to how they work. They learn word processing databases, spread sheets, and desktop publishing.

Text Books: *Computer Basics* (Christian Light Education)

Credit earned: 0.5 (one semester) Meeting times: once per week. Session time: 1 hour

Weekly homework: as necessary.

Grades: based upon class participation, completed assignments.

OTHER COURSES:

Life Skills – sewing, cooking, cleaning, auto mechanics (changing tires, understanding the inner workings of the car), painting, plumbing, gardening).

Community Service – students are expected to complete 20 hours per year (must be documented). We serve the community through FoodShare 2 times per month (if available).

Physical Exercise (PE) – students are encouraged to exercise regularly, getting fresh air and sunlight. Tennis, volleyball, basketball, running/walking, swimming, using work-out machines are options for each student. 1 hour per week. 1 credit hour earned per year. Walk daily after eating lunch.

SAT/ACT Prep - students are given the opportunity to take the Pre-ACT or PSAT exam. Each may participate in the class which offers practice questions in English, Mathematics, and Science (ACT).

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Grade 10

Bible: A 4-year curriculum which takes the student through a study of the Bible, introducing each one to God, our Creator and Friend. The cycle is as follows: MAY BE ADJUSTED DEPENDING ON AVAILABILITY OF STAFF.

Texts may vary depending on the choice of teacher.

1. **Text Books:** *"In the Beginning God..."* and *"God's Gift Our Choice"*.
2. **Text Books:** *"HIS Story Just In Time"* and *"HIS Story In Our Time"*.
3. **Text Books:** *"Daniel and Revelation"*, *"Romans"*, *"Beliefs"*, and *"Friendships"*.
4. **Text Books:** *"Worldviews and Religion"*, *"Life Philosophy and Issues"*, *"Hebrews"*, and *"Marriage and Family"*.

Each of these books is produced under the auspices of the North American Division of Seventh-day Adventist, Office of Education.

The Bible is the main source of all information. The writings of Ellen G. White and other historical figures of the Seventh-day Adventist Church are also referenced.

All grades (9 through 12) study this course together.

Credit earned: 1 per year **Meeting times:** 3 to 4 times per week **Session time:** 1 hour

Weekly homework: Students are expected to complete assignments at least once per week.

Grades: based upon class participation, completed assignments, test/exams.

English 2: Reading with comprehension and mastering the principles of writing effectively; the elements of literature and literary forms (short story, essay, poem, and play); grammar topics; literary analysis; and writing short compositions.

Text(s): *Perspectives of Life in Literature* (Christian Light Education) OR *Learning Language Arts Through Literature*

Meeting times 4 times per week.

Session time: 1 hour **Credit earned:** 1

Homework: at least 2 times per week. **Grades:** based upon class participation, completed assignments, and tests/exams.

Geometry: Learning theorems and with an emphasis on vocabulary, students will learn how things are measured, pay attention to planes, triangles, quadrilaterals and other polygons, circles and other conics; measurements of 2-dimensional, 3-dimensional, and solid figures.

Text(s): Prentice Hall *Geometry*

Meeting times: 3 to 4 times per week.

Session time: 1 hour **Credit earned:** 1

Homework: daily **Grades:** based upon class participation, completed assignments, and tests/exams.

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Spanish 2: This course will strengthen Spanish listening, speaking, reading and writing. Student will continue to learn of people and cultures throughout the world.

Text(s): Depends on teacher's choice.

Meeting times: 2 times per week.

Session time: 1 hour Credit earned: 1

Homework: daily Grades: based upon class participation, completed assignments, and tests/exams.

Biology: Students will learn of the amazing world that our Creator God designed and gave to us, from the tiniest cell to the largest in the varied ecosystems of Earth; the symbiotic relationship of micro-organisms, plants, and animals.

Text(s): Glencoe Science *Biology* and *Let the Earth Speak of God's Creation* by Albert A. C. Waite OR *Discovering Design with Biology* (Berean Builders).

Meeting times: at least 2 times per week.

Session time: 1 hour Credit earned: 1

Homework: at least 1 time per week Grades: based upon class participation, completed assignments, and tests/exams.

Health: Students will learn of the importance of having a healthy foundation, mental and emotional health, and healthy and safe relationships. Nutrition and physical activity are emphasized. We will explore topics to cover personal care, body systems, growth and development, diseases and disorders, drugs, safety and environmental health. God's desire for us to have healthy bodies will be emphasized; He wants us to have life and to have it more abundantly!

Text Books: *Christian Temperance and Bible Hygiene*, by Ellen G. White. *NEWSTART* (The acronym). References to *Counsels to Diets and Foods* by Ellen G. White.

Credit earned: 0.5 per year (one semester) Meeting times: 2 times per week Session time: 1 hour

Weekly homework: weekly. Grades: based upon class participation, completed assignments, test/exams.

Grade 11

Bible: A 4-year curriculum which takes the student through a study of the Bible, introducing each one to God, our Creator and Friend. The cycle is as follows: MAY BE ADJUSTED DEPENDING ON AVAILABILITY OF STAFF

Texts may vary depending on the choice of teacher.

1. **Text Books:** *"In the Beginning God..."* and *"God's Gift Our Choice"*.
2. **Text Books:** *"HIS Story Just In Time"* and *"HIS Story In Our Time"*.
3. **Text Books:** *"Daniel and Revelation"*, *"Romans"*, *"Beliefs"*, and *"Friendships"*.
4. **Text Books:** *"Worldviews and Religion"*, *"Life Philosophy and Issues"*, *"Hebrews"*, and *"Marriage and Family"*.

Each of these books is produced under the auspices of the North American Division of Seventh-day Adventist, Office of Education.

The Bible is the main source of all information. The writings of Ellen G. White and other historical figures of the Seventh-day Adventist Church are also referenced.

All grades (9 through 12) study this course together.

Credit earned: 1 per year **Meeting times:** 3 to 4 times per week **Session time:** 1 hour

Weekly homework: Students are expected to complete assignments at least once per week.

Grades: based upon class participation, completed assignments, test/exams.

English 3: This course teaches composition and literature study skills.

Text(s): *English 2* (Christian Light Education) OR *Learning Language Arts Through Literature*

Meeting times: 4 times per week.

Session time: 1 hour **Credit earned:** 1

Homework: at least 2 times per week. **Grades:** based upon class participation, completed assignments, and tests/exams.

Algebra 2: Polynomials and formulas – their functions and uses. How to solve three variable quadratics. Vectors and the polar coordinate system will be taught. Logarithmic, exponential, and trigonometric functions are applied to real world situations.

Text(s): Prentice Hall Classics *Algebra 2 with Trigonometry* OR *Algebra 2* (Christian Light Education)

Meeting times: 4 times per week.

Session time: 1 hour **Credit earned:** 1

Homework: daily **Grades:** based upon class participation, completed assignments, and tests/exams.

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Chemistry: As we explore/examine the things around us, we will learn that there is no life without Chemistry. All the atoms, chemical reactions, electrochemistry, thermo-chemistry and nuclear chemistry have a place in everything we do – eat, play, work, sleep – and everywhere we go. God has made our world a very special place!

Text(s): Prentice Hall *Chemistry*

Meeting times: 3 to 4 times per week.

Session time: 1 hour Credit earned: 1

Homework: daily Grades: based upon class participation, completed assignments, and tests/exams.

U. S. History: How was the United States formed? When? From where did the settlers come? Why? Who wrote the Declaration of Independence? What is that? Why was there a Civil War? Who caused there to be an Industrial Revolution? How are the present events helping to shape our history? These questions are just a sample of what this course will cover.

Text(s): Prentice Hall *America: Pathways to the Present* and *U. S. History People and Events 1865 – Present* (Mark Twain Media)

Meeting times: 3 to 4 times per week.

Session time: 1 hour Credit earned: 1

Homework: at least 2 times per week Grades: based upon class participation, completed assignments, and tests/exams.

Geography: This course will take each student on a journey around the world, learning of the varying climates, the diverse physical features, different cultures. Some Geology will also be covered.

Text(s): Prentice Hall *Geography – Building a Global Perspective*

Meeting times: 3 to 4 times per week.

Session time: 1 hour Credit earned: 1

Homework: at least 2 times per week Grades: based upon class participation, completed assignments, and tests/exams

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Public Speaking: No one can deny the importance of being able to deliver a message to a group of people, audiences of people the speaker never met. This class will help students to accomplish this goal. They will also be able to analyze speeches, and with that knowledge be able to write their own, and then to deliver it with confidence. Students will also memorize and say poems, Bible passages/verses, and speeches.

Text(s): None Meeting times: 1 time per week. Session time: 1 hour Credit earned: 1 Homework: to be determined
Grades: based upon class participation, graded assignments (poems, speeches) and improvement in delivery.

ACT/SAT Prep: All high school students are encouraged to take either the ACT or the SAT (or both) exams, as a means of entry into a college of their choice. This class time will be spend preparing them to comfortably and confidently take these examinations. We will place word games, review math principles, learn how to properly interpret scientific graphs, and do previous exams.

Text(s): None Meeting times: 1 time per week. Session time: 1 hour Homework: to be determined

Grades: based upon class participation and graded assignments. Credit earned: 1 per 4 years

It is recommended that students take the SAT or ACT exam while in grade 11.

Grade 12

Bible: A 4-year curriculum which takes the student through a study of the Bible, introducing each one to God, our Creator and Friend. The cycle is as follows: MAY BE ADJUSTED DEPENDING ON AVAILABILITY OF STAFF

Texts may vary depending on the choice of teacher.

1. **Text Books:** *"In the Beginning God..."* and *"God's Gift Our Choice"*.
2. **Text Books:** *"HIS Story Just In Time"* and *"HIS Story In Our Time"*.
3. **Text Books:** *"Daniel and Revelation"*, *"Romans"*, *"Beliefs"*, and *"Friendships"*.
4. **Text Books:** *"Worldviews and Religion"*, *"Life Philosophy and Issues"*, *"Hebrews"*, and *"Marriage and Family"*.

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The Bible is the main source of all information. The writings of Ellen G. White and other historical figures of the Seventh-day Adventist Church are also referenced.

All grades (9 through 12) study this course together.

Credit earned: 1 per year **Meeting times:** 3 to 4 times per week **Session time:** 1 hour

Weekly homework: Students are expected to complete assignments at least once per week.

Grades: based upon class participation, completed assignments, test/exams.

Literature: From where did the English Language come? Who are the great heroes of British Literature? What is the Renaissance? What is the Enlightenment? Besides getting the answers to these questions and more, students will learn of Britain's success from the Victorian Age to World War I, as seen through some British writers.

Text(s): *Perspectives of Truth in Literature* (Christian Light)

Meeting times: 3 to 4 times per week.

Session time: 1 hour **Credit earned:** 1

Homework: at least 2 times per week. **Grades:** based upon class participation, completed assignments, and tests/exams.

Consumer Math: Students will learn how to be good stewards of the gift of money – tithing, budgeting, mortgage payments, renting a house/apartment, car loans, student loans, credit cards, taxes.

Text(s): *Consumer Math* (Christian Light Education)

Meeting times: 3 to 4 times per week.

Session time: 1 hour **Credit earned:** 1

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Homework: daily Grades: based upon class participation, completed assignments, and tests/exams.

Physics: Students will see the world through the eyes of scientific geniuses like Galileo, Newton, and Einstein. They will learn of the concepts, theories, and laws that govern all interactions between matter, all energies and forces and will be able to explain, through real-world examples, tiny atoms and the millions of stars in the galaxies.

Text(s): *Conceptual Physics* by Paul Hewitt

Meeting times: 3 to 4 times per week.

Session time: 1 hour Credit earned: 1

Homework: daily Grades: based upon class participation, completed assignments, and tests/exams.

Physical Science: What causes lightning? What is the speed of light? How can science explain the physical environment in which we live? What is the structure of matter? All of God's creation will be explored!

Text(s): Holt *Science and Technology Physical Science*

Meeting times: 3 to 4 times per week.

Session time: 1 hour Credit earned: 1

Homework: daily Grades: based upon class participation, completed assignments, and tests/exams.

Pre-Calculus/College Algebra: This course will cover topics in algebra, analytical geometry and trigonometry, preparing the students for analysis and articulation in real-world applications.

Text(s): *College Algebra and Trigonometry*

Meeting times: 3 to 4 times per week.

Session time: 1 hour Credit earned: 1

Homework: at least 2 times per week Grades: based upon class participation, completed assignments, and tests/exams.

Anatomy and Physiology: The human body will be explored and students will acquire the knowledge necessary to understand the body and how it is organized to cope in various situations. Students will also learn of how each organ interacts with the other, to demonstrate how wonderfully we are made.

Text(s): *Fundamentals of Anatomy and Physiology* by Martini and Nath (may be changed)

Meeting times: 3 to 4 times per week. Session time: 1 hour Credit earned: 1 Homework: at least 2 per week Grades: based upon class participation, assignments, and tests/exams.