



Carlisle Christian Academy

Course Guide

Rev. 1/2015

Table of Contents

Bible

Science

Math

English

History

P.E.

Electives

Middle School

Art

Spanish

Humanities

Sample High School Pathway

CCA Graduation Requirements

A minimum of 24 credits including:

- 3 Science
- 3 Math
- 4 English
- 3 History/Social Studies
- 1.5 Health and Physical Education
- 9.5 Arts & Humanities (Bible credits are included under Humanities)

Bible

Bible courses are worth 1 humanities credit

These courses use the Bible as their primary text and are streamlined from 6th to 12th grade. Class meets 4 times a week plus chapel. Secondary students will focus on one theme throughout the year. Keeping the high school and middle school aligned for group activities and chapels. Topics vary yearly so that after a 7 year cycle the students have accomplished a thorough study from Genesis to Revelation. Yearly themes may include: The life of Christ, The Epistles, The Pentateuch, etc.

Sciences

Middle School Sciences are rotated with an ABC format, a three year cycle.

MS Earth Science: To help students learn about the Earth, its climates and weather, and astronomy in order to gain understanding of their Creator.

MS Life Science: to help students learn about living creatures and their ecology and through that gain perspective of their Creator.

MS Physical Science: to help students learn about matter, forces and energy in order to gain understanding of their Creator.

High School Sciences are rotated in an AB format, a two year cycle with 9th and 10th, and 11th and 12th grade. All high school courses are worth 1 credit except Anatomy and Environmental Science which are worth 1/2.

Biology: Biology is a survey course touching on all the major areas and innovative developments involving biology.

Chemistry: Chemistry is an 11th/12th grade survey course touching on all the major areas and innovative developments involving chemistry.

Conceptual Physics: Conceptual physics in an 11th/12th grade survey course touching on all the major areas of physics. This course includes laboratory investigations, and the use of algebra skills.

Math

Environmental Science: Environmental Science is a one-semester course for high school that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of Creation with a focus on science, sustainability, and stewardship.

Human Anatomy: This course is a one-semester course for high school that studies the structure and function of the human body. Each human system is analyzed stressing function, organs, tissues, and cells.

The most common progression for CCA students is shown below. Students can vary from this chart as needed. This can cause scheduling irregularities. All courses taken in high school are worth 1 credit.

<i>Grade</i>	<i>Math Course</i>
<i>6</i>	<i>6th grade Math</i>
<i>7</i>	<i>Pre- Algebra</i>
<i>8</i>	<i>Algebra I</i>
<i>9</i>	<i>Geometry</i>
<i>10</i>	<i>Algebra II</i>
<i>11</i>	<i>Pre-Calc</i>
<i>12</i>	<i>Calculus</i>

6th Grade Mathematics: Sixth grade mathematics prepares students for seventh grade mathematics by covering computational and problem solving skills in both theory and real world applications.

Pre-Algebra: This course covers Pre-Algebra topics as well as topics from geometry and discrete mathematics.

General Math: The students will develop math skills needed to solve necessary and basic life problems. Student ability is assessed to track progress and the course can be taken more than once as a means of remediation. This course cycles through the basic math skills.

Algebra I: Ninth grade mathematics covers Algebra I topics involving both discrete and continuous structures.

Geometry: Tenth grade mathematics covers Geometry topics including plane geometry, solid geometry, and trigonometry.

English

Algebra II: Eleventh grade mathematics covers Algebra II topics involving both discrete and continuous structures.

Pre-Calculus: Eleventh grade mathematics covers Pre-calculus topics including both discrete and continuous structures.

Calculus: Twelfth grade mathematics covers calculus topics including both differential and integral calculus.

AP Calculus: Twelfth grade mathematics covers calculus topics including both differential and integral calculus. This course is an advanced placement curriculum for Calculus BC.

Sixth Grade Language Arts: Students learn how to correctly use the different parts of speech and punctuation in their speaking and writing, and to experience various types of literature. Besides written expression, particular emphasis is given to reading comprehension and the relationships between word, sentence, and paragraph meaning.

7th to 12th grade English runs on a two year cycle. All high school courses are worth 1 credit.

Seventh and Eighth Grade English-Year A: This English course covers literature, grammar, and writing across various genres taught through a biblical world-view. Particular emphasis is on types of paragraphs, transitions, elaboration, and report writing.

Seventh and Eighth Grade English-Year B: This English course is a continuation of Year A and exposes students to a variety of literature and genres; a variety of experiences and practice with the modes of writing; and a variety of new vocabulary. Grammar instruction will be given as needed.

Ninth and Tenth Grade English (two year course): Ninth and Tenth grade English exposes students to a variety of literature and genres; a variety of experiences and practice with the modes of writing with particular emphasis on research and essay writing; and a variety of new vocabulary. Grammar instruction will be given as needed.

Eleventh and Twelfth Grade English (two year course)-course description: Eleventh and Twelfth grade English exposes students to a variety of literature and genres of British and American heritage. Emphasis is on literary, historical, and rhetorical analysis, essay writing, research, and a variety of new vocabulary. Grammar instruction will be given as needed.

History

All high school courses are worth 1 credit.

6th Grade Ancient World History- The sixth grade curriculum is an introduction to Ancient World History focusing on events from ancient times with an introduction to geography of the areas studied. By studying the lives of people and nations who either followed God's standard or failed to do so, students will acquire direction for their own lives. Students will see the truth of God in action and developed values and principles for living based on this knowledge.

7th to 12th grade History runs on a two year cycle.

7/8 United States History (Beginnings to 1877)- Seventh and Eighth grade American history covers the beginning of American history to the beginning of the Civil War, with a discussion of the importance of geography and archaeology.

7/8 United States History (1877 to the Present)- This course is designed to present the History of the United States and it's people from pre-colonial times through Reconstruction. The course will examine the underpinning ideas and events that helped guide the foundation of the United States as well as the challenges and conflicts that nearly tore it apart.

9/10 World Geography- Students learn about the Earth and its physical features as well and the various climates. They will also explore Earth's many people groups and their governments, economics, religions, and cultures.

9/10 World History - World History provides an overview of the development of modern civilization. This course begins

with a broad study of the development of early civilizations throughout the world and then will narrow in focus into the development of Western Civilization beginning with the Renaissance and moving into modern times. This course is designed to help students understand how the events of the past have help form their present world.

11/12 American Government and Economics- The course discusses the basic history of government in general and then examines the three branches of American government as well as various forms of other governments and economic systems. The course explores the basic operations of state and local governments. Students will understand the intentions of our Founding Fathers and identify the potential consequences of adopting other political systems. Students will be challenged to think and process political thoughts for themselves.

11/12 U.S. History - This course provides an overview of the History of the United States and its people from Pre-Colombian times to the present. The course will discuss the ideas that helped form the United States and bring it through the various victories and challenges it has faced. By exploring specific events students will develop a better understanding of the country in which they live.

Physical Education

HS gym is worth ¼ credit and HS Health is a ½ credit.

MS Gym: Middle school students will engage in physical activity four times a week for 40 minutes each day for the full year. Students will learn basic skills, rules, and positions of different sports such as soccer, volleyball, football, basketball, and hockey. Students will also learn the importance of staying active and eating healthy in this course.

HS Gym-course description: High school students will engage in physical activity four times a week for 40 minutes each day during one quarter of the school year. Students will focus on independent sports such as tennis and cross country. Students will also participate in anaerobic and aerobic activity that improve our physical fitness. Students will learn to make healthy food choices. High school students can also earn up to .25 credits in physical education for their participation in a CCA athletics program. No more than .25 credits can be earned in P.E. in one school year.

HS Health – (Usually in the sophomore year) The core expectation of the health education program is that students will learn about physical, mental, emotional and social health. The health education program motivates students to improve and maintain their health, prevent disease, and reduce risky behaviors. The major topics studied include Physical Health and Nutrition, Mental and Emotional Health, Alcohol/Drugs/Tobacco, and Diseases/Disabilities/Healthy Relationships.

Electives

Middle School Elective Wheel

Students at CCA for all 3 middle school years will rotate through these courses.

6 Art -Sixth grade art is an introduction to the elements of art and an implementation of those elements

7/8 Art A- Art continues to build on the foundation of art we began to learn in sixth and seventh grade. We continue to experiment with the elements and principles of art and the implementation of those elements and principles. Students will produce grade-level appropriate studio works through the use of more professional level materials. Students will participate in art criticism activities and exercises based on master, peer and personal works.

7/8 Art B- Art continues to build on the foundation of art we began to learn in sixth grade. We continue to experiment with the elements of art and the implementation of those elements as well as produce grade-level appropriate studio works through the use of more professional level materials.

MS Spanish A, B, and C (introductory): Middle school foreign language students will learn language through total physical response and storytelling. The students will improve their understanding of pronunciation, grammar, and vocabulary. The students will be able to tell simple stories both from the text as well as new stories which they will develop. Students will improve their understanding of Latin American/Spanish geography and culture.

6 Keyboarding: Students will learn proper keyboarding techniques and how to use the keyboard efficiently when using

a computer. Students will also improve their speed with typing throughout the course.

6 Study Skills: Students will learn various time management skills, organization skills, and study skills. These skills are designed to help them in all courses as well as in their daily lives. Students who are well organized can be good stewards of their time and resources.

7/8Computer Applications: Students will learn computer skills specifically focusing on Microsoft Word. Students learn to create different documents such as one-page reports, certificates, and posters. Students also learn how to use the internet to research topics in the most efficient way. Students will learn proper formatting for typing reports and different way to format using Microsoft Word.

Consumer Science: This is a one-semester course for middleschoolers. The students develop an understanding of the basics of food preparation, knitting, manners, and nutrition.

High School Art

*4 art courses are offered each year to high school students.
The topics rotate and are determined by the art department.
Each course is worth ¼ credit.*

Fine Metals I (limit 8 students)- Students will learn the basis of metallurgy and joining techniques such as sweat, pick and chip soldering. Students will create three studio pieces which incorporate these joining techniques in addition to torch enameling. Students will be asked to keep a sketchbook and to gather inspiration from online sources as well as 3D metal works from local shops and galleries.

Fine Metals II- **Fine Metals I is a prerequisite and the limit to this class is 8 students*. Throughout this course, students will review Metallurgy, jewelry design, soldering techniques, basic enamel methods and studio safety. Students will be working with copper, brass and silver to produce three pieces of a unifying theme. Students will be led through the package design process as they seek to create a logo and packaging for each piece.*

Fine Metals III- Throughout this course, advanced metals students will be given the opportunity to create functional pieces with copper, brass and sterling silver. Students will create two studio projects which apply stone setting, piercing, sweat-soldering and mixed-metal. **Metals I and II is a pre-requisite for this course. Craftsmanship will be judged on a much higher level in III in comparison to II.*

Hand Building- Students will be taught various ceramic hand building techniques (slab, pinch, coil) in order to create original three dimensional works. Students will focus on the

elements and principles of art such as form, shape, texture, and balance as they create found-object sculptural pieces from recycled materials.

2D Design- 2D Design will focus on the application of the principles and elements of design through the production of studio pieces. Students will be working with drawing, painting, printmaking and collage materials as they produce works relating to the principles and elements, social issues and art movements. Additionally, students will participate in class critiques and maintain an inspirational journal/sketchbook.

Digital Art- This course builds upon the elements and principles of art and composition as learned in previous years. Students are encouraged to develop their own ideas and thoughts through various digital media. Students will be introduced to a contemporary artist with the introduction of every studio challenge and be asked to reflect on the creative process in bi-weekly sketchbook assignments. Students will create personal works in the digital arts through the photo-manipulation program, Gimp 2.6.

Foundations of Art (3/4 credit) -Throughout this course, students will be introduced to the theory and practice of art as they are taught technical/observational drawing skills, painting, dry media, and collage techniques. Additionally, students will learn about master artists and art movements through the study of art history.

High School Spanish

Each Spanish course is worth 1 credit except Spanish Studies which is worth 1/4 credit. Three years of a Foreign Language are recommended for college bound students.

Spanish 1-available to all high school-course description: Spanish 1 students will improve their understanding of pronunciations, grammar, and vocabulary. Attention is given to four skill areas: listening comprehension, speaking, reading, and writing in the target language. Students will acquire the language skills most useful in common daily situations, operating primarily in the present tense. Students will also improve their understanding of Latin American/Spanish geography and culture.

Spanish 2-available to all high school students who have taken Spanish 1-course description: Spanish 2 students will build on the skills they learned in Spanish 1. They will continue to develop their understanding of pronunciation, grammar, and vocabulary in order to improve their listening comprehension, speaking, reading and writing. Students will complete their studies of the Spanish verb tenses within the indicative mood. Students will also improve their understanding of Latin American/Spanish geography and culture.

Spanish 3-prerequisite-A or B in Spanish 2-available to all high school students-course description: Spanish 3 students will integrate the grammar and vocabulary from levels 1 and 2 into a cohesive whole in level 3. This will occur as the students complete their study of the verbs by adding the Subjunctive mood in both the present and the past tenses and by acquiring a large amount of vocabulary. All of this will be accomplished through class discussion in Spanish and through readings. Video and audio are also used to improve listening/

comprehension skills. The cultures of Spanish speaking people are explored in many of the activities.

Spanish 4-prerequisite-A or B in Spanish 3-available to all high school students- Spanish 4 students will use the Spanish that they have been learning as they explore a variety of topics such as art, history, science, and literature. Much time is also spent in natural conversation in an effort to provide practice in the target language.

Spanish Studies: (1/4 credit, can be taken multiple times) **A or B in Spanish 3 is a Pre-requisite.** Students who seek a deeper study of the Spanish language will improve their reading and writing skills through reading a novel and writing/rewriting responses. In addition to their immersion in independent reading and writing, the student will assist in 5 elementary Spanish class periods and 2 high school or middle school periods. This combination of experiences gives the student the opportunity to increase his/her acquisition of the target language and familiarize him/herself with the profession of foreign language instruction.

High School Humanities

Each of these courses is worth ½ credit.

12 Public Speaking- Students will acquire knowledge and experience in a variety of public speaking situations.

12 Senior Leadership- Senior leadership is designed to expose graduating seniors to leadership experiences in both theory and practice. This course combines group learning and discussion with experimental activities and peak experiences-all designed to get at the heart of how leadership looks and behaves in both Christian and secular contexts.

Business 1: Personal Finance– Personal Finance prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand real world consumer rights, responsibilities and information, protect personal and family resources, income management, spending, savings, investments, and apply procedures for managing personal finances. The course is divided into 7 units: 1) Financial Well-Being, 2) Principles of Managing Your Money, 3) Principles of Earning, 4) Principles of Receiving, 5) Principles of Saving and Investing, 6) Principles of Spending, and 7) Principles of Giving.

Service Learning – Students who choose this independent study course will contribute to their community in a unique way. Students have up to 2 years to complete 50 hours of service, 4 reflections and a final presentation. Thirty of the fifty hours will be with one organization. Successful fulfillment of the project requirements will result in ½ credit. Service Learning is “reflective volunteering”. For the student this means gaining skills, networking, building a resume, and reflecting on his/her experiences. This course can be taken more than once.

CCA Sample High School Pathway

Yr	English	History	Science	Math	Electives/ humanities
9	English 9	World Geo. And World History	Biology Envir. Sci/ Anatomy And/Or	Algebra 1 Or Geometry	Art Gym Health Business Spanish Bible Service Learning Public Speaking Leadership
10	English 10		Phys. Sci.	Geometry Or Algebra 2	
11	English 11	U.S. History And Gov. & Econ.	Chem. And/Or Physics	Algebra 2 Or Pre-Calc	
12	English 12			Pre- Calc Or Calculus	