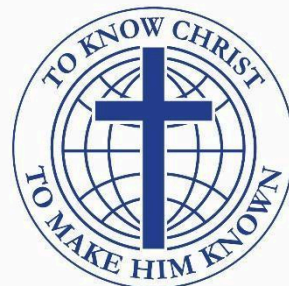

CENTRAL
CHRISTIAN SCHOOL



Course Curriculum
2026-2027

Grade 9 – Grade 12

High School Overview

Our goal is to provide an educational program that allows students to grow in preparation for college and a career. The required Central Christian High School curriculum provides students with the necessary coursework that promotes academic rigor and critical thinking to meet or exceed the expectations of the State of Ohio diploma.

The chart below outlines the required courses for high school students at Central Christian School. This curriculum guide provides details for each required course and details for elective courses students may choose.

Total Requirements	Freshman	Sophomore	Junior	Senior
Bible	Old Testament - Creation and Promise 1 <i>1 credit required</i>	New Testament Jesus Story .5 <i>.5 credit required</i>	Global Christianity .5 <i>.5 credit required</i>	Kingdom Living .5 <i>.5 credit required</i>
Communications <i>.5 credit total required</i>				Fundamentals of Speech .5 (CCP option) <i>.5 credit required</i>
English Meets Ohio Core Requirement <i>1 credit per year 4 credits total required</i>	English I 1 <i>1 credit required</i>	English II 1 <i>1 credit required</i>	English III 1 <i>1 credit required</i>	English IV or 1 English Composition (CCP) 1 <i>1 credit required</i>
Math Meets Ohio Core Requirement <i>1 credit per year 4 credits total required</i>	Algebra I or 1 Plane Geometry 1 <i>1 credit required</i>	Plane Geometry or 1 Algebra II 1 <i>1 credit required</i>	Algebra II or Discrete Math/ 1 Computer Science or 1 Precalculus (CCP option) 1 <i>1 credit required</i>	Personal Finance or 1 AP Calculus (CCP option) or 1 AP Statistics (CCP option) 1 <i>1 credit required</i>
Science Meets Ohio Core Requirement <i>3 credits total required</i>	Zoology .5 Botany .5 <i>1 credit required</i>	Biology 1 <i>1 credit required</i>	Chemistry or .5 Earth Science .5 <i>.5 credit required</i>	Physics .5 <i>.5 credit required</i>
Social Studies Meets Ohio Core Requirement <i>3 credits total required</i>	Modern World 1 History <i>1 credit required</i>	US History 1 <i>1 credit required</i>	Government 1 (AP option) <i>1 credit required</i>	
Health Meets Ohio Core Requirements <i>.5 credit total required.</i>		Health .5 <i>.5 credit required</i>		
Physical Education Meets Ohio Core Requirements <i>.5 credit required</i>	Students who do not participate in 2 seasons on a CCS athletic team need to take 2 PE mini-terms totaling .5 credits or participate in an Independent Study PE course option.		Students participating in 2 seasons on a CCS athletic team are waived from the Ohio Core PE requirement.	

Economics & Financial Literacy Meets Ohio Core Requirements <i>.5 credit total required</i>		Career & Financial Literacy <i>.5 credit required</i>
Fine Arts Meets Ohio Core Requirements <i>1 credit total required</i>	Chorale .25 <i>.25 credit required (one semester)</i>	After completing the required .25 credit for Chorale, students must earn .75 more Fine Arts credits during their high school career. <i>1 credit required</i>
Foreign Language <i>1 total credit required</i>	Spanish I 1 <i>1 credit required</i>	Students may take another language as an Independent Study (Credit Flex) to meet the Language credit requirement.
Total Credits for CCS Diploma: 23 required		

***All elective courses are offered based on student interest, requests, and schedule availability. Some Elective courses may not be offered every year.**

Honors Credit

Central Christian School students in grades 9-12 may take certain courses for honors credit. High School students may take core subject area courses and advanced elective courses for honors. Honors courses will be recorded and recognized on all student course records and official high school student transcripts. Honors credit criteria and guidelines for high school are outlined on the Family Portal and the Central Christian School website. To designate a course as honors, students must complete and submit an Honors Contract application. Students interested in taking a course for honors credit should contact the High School Principal and School Counselor for details about the honors application process.

Advanced Placement

Advanced Placement (AP) is a nationally recognized program offering an advanced curriculum to prepare for the AP Exam. Qualifying scores on AP Exams allow students to earn college credit and/or placement at most colleges and universities in the United States.

Central Christian School offers six AP Courses:

- AP Biology
- AP Calculus
- AP Government
- AP Music Theory
- AP Physics
- AP Statistics

College Credit Plus (CCP)

CCP courses offer students the opportunity to earn both high school and college credits as a high school student. Through the CCP program, Central Christian students have the opportunity to take various CCP courses at Central Christian School, taught by Central Christian teachers, at an Ohio college or university, or online from an Ohio college or university.

Central Christian School has partnered with Malone University and Cedarville University to offer College Credit Plus courses on our campus that are taught and facilitated by Central Christian School teachers. The on-campus CCP courses include Biology (4 credit hours), Pre-Calculus (4 credit hours), Calculus (4 credit hours), Statistics (3 credit hours), English Composition (3 credit hours), Literature in Society (3 credit hours), Fundamentals of Speech (3 credit hours), and Sociology (3 credit hours).

Students can take on-campus Central Christian CCP courses through the state of Ohio CCP Option or the Malone University/Cedarville University self-pay option. Under the state of Ohio's CCP system, students who qualify academically may have costs associated with each course covered by the state for both public and private collegiate institutions in the state of Ohio. The state covers these costs for non-public school students by awarding credit hours for students on an individual basis through a parent's State of Ohio Parent Portal.

The process for application and inquiry for CCP courses begins in mid-February of the year prior to enrollment in a CCP course. A CCP informational parent-student meeting is held in the fall to explain the CCP process. Students interested in participating in CCP courses at Central Christian or an Ohio college or university should contact the School Counselor for details about the CCP application process.

Academic Honors Diploma

High school students can be recognized for exceeding Ohio's graduation requirements through an Academic Honors Diploma. This honor is awarded to students who meet all but one of the following criteria. They must meet general graduation requirements and complete the requirements outlined below to qualify for honors diplomas.

Academic Honors Diploma

Requirements	State Minimum
Math	Fourth math must be > Algebra 2
Science	One additional unit Advanced Science
Social Studies	One additional unit Social Studies
World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal
Experiential Learning	Field Experience & Portfolio, OhioMeansJobs Readiness Seal, or Work-Based Learning

Core Required Courses

Bible

Global Christianity

.5 credit

Description:

This course begins with the birth of the church through the formation of Roman Catholicism, Eastern Orthodox, and other non-Western Christian faith streams and the Reformation, with an emphasis on the rise of the Anabaptist movement. Students are invited to understand their faith and grow in their commitment to Jesus Christ as they study Christianity in a global context.

Course Content:

- Six Great Traditions (Streams) of Christian Faith
- Core Characteristics of the Early Christian Church
- Emperor Constantine
- Church Life through the Middle Ages and Renaissance
- Protestant Reformation in 1517
- Key Values of the Anabaptist Faith as it Developed During the Reformation
- Global Demographic Trends for all Religions
- Research Project on a Significant Figure in Christian History

Kingdom Living

.5 credit

Description:

Kingdom Living is a seminar-type class for seniors in which we will examine what it means to be citizens of Christ's Kingdom (the "upside-down" kingdom) while living in the kingdom of the world. The semester begins with an exploration of spiritual formation with a focus on our personal relationship with Christ. We will then transition to our relationship with others and the world.

Course Content:

- Kingdom of God Citizenship
- Christian Worldview with an Emphasis on Anabaptist Mennonite Faith Practices
- The Call to Christian Discipleship
- Christian Spiritual Formation
- Reconciliation and Justice
- Inter-Personal Relationships
- World Religion Study
- Personal Belief Exploration, Assessment, and Articulation (Spiritual Autobiography)

New Testament: The Jesus Story

.5 credit

Description:

This Bible course combines a narrative and thematic approach to the Gospels. The course begins with an introduction and overview of the New Testament. Following the life of Jesus, themes include: Preparing for God on earth, responding to God's call, knowing and being known by God, being a Godly citizen in the upside-down kingdom, and practicing God's grace and forgiveness. Each theme is studied using stories from the Gospels.

Course Content:

- Historical Narrative of Jesus as the Fullest Revelation of God to Humanity
- Historical, Social, Political, and Religious Context of Jesus' Life and Ministry
- Being Known and Loved by God
- The Christian Calling to Join with God to Bring the Reign of God on Earth as it is in Heaven
- The Meaning of the Cross (Jesus' Death) and Resurrection, and the Message of Grace and Forgiveness to Humanity

Old Testament: Creation and Promise**1 credit****Description:**

The Old Testament invites students to learn the historical narrative of the Old Testament. Using the Bible as the primary textbook, students will examine the story of God's chosen people with an emphasis on history and theology. Students will learn about the covenant God initiated with Noah, Abraham, the people of Israel, David, and Jeremiah, and how the people respond to and live within the covenant.

Course Content:

- The Nature of God as Revealed in the People and Events of the Old Testament and Fully Revealed in Jesus Christ
- The Covenant Promises of God's Presence, Land of Promise, Descendants Called to be a Holy Nation, and the Call to be a Blessing to all Nations and People
- The Imitation of the Biblical Narrative for Personal and Corporate Salvation, Faithfulness, and Discipleship
- The "Salvation History" (Heilsgeschichte) of the Old Testament as the Culminating Learning Experience and Final Exam

Communications

Fundamentals of Speech (also available for 3 CCP credits - COM 1100)**.5 credit****Description:**

This course provides instruction in adapting speech to different audiences and purposes. Students have the opportunity to make different types of oral presentations, which may include viewpoint, informative, and persuasive. It provides opportunities for students' higher-level thinking, speaking, and listening skills. The organization of materials, the use of several forms of writing, and research will be stressed. This course will strengthen both argumentation skills and oral presentations.

Course Content:

- Speech Writing
- Speech Delivery
- Analytical Evaluation

English Language Arts

English I

1 credit

Description:

Students study a wide range of literature, including *Romeo and Juliet* and *To Kill a Mockingbird*, as well as various short stories and poems. Students will explore literary and rhetorical devices and public speaking. Students will write several essays and complete various creative projects that allow them to engage with the literature in different ways.

Course Content:

- Novels, Short Stories, Drama, Nonfiction
- Vocabulary Development
- Research, Writing, and Speaking
- Narrative and Expository Writing
- Book Club
- Independent Reading Projects
- Conventions of Standard English

English II

1 credit

Description:

Students study elements of fiction, short stories, and novels. Students respond creatively and critically to short works of nonfiction and fiction during the first semester. Students write a 10-12-page work of fiction during the second semester, applying their knowledge of the elements of fiction and the writing process. Students study both fiction and nonfiction works. Other writing assignments include personal and analytical essays and journal reflections. Over both semesters, students participate in Book Club, Greek and Latin Roots, sentence diagramming, and poetry features.

Course Content:

- Short Stories/Literary Terms
- Poetry
- Satire
- Allegories, Parables, and Fables
- Midsummer Night's Dream
- Contemporary Fiction
- Independent Reading Project
- Research Writing

English III

1 credit

Description:

In this course, students continue to develop their reading, writing, speaking, and critical thinking skills, with a focus on American literature. They study novels, short stories, poetry, and film, as well as the art of writing and giving speeches. Students are challenged to see connections between the course content and their faith.

Course Content:

- *Writing with Style*
- *The Crucible*
- *Huckleberry Finn*
- *The Great Gatsby*
- American Short Stories
- Book Club
- Media and Technology
- Creative Writing
- Research Writing

English IV

1 credit

Description:

Students study drama (Shakespeare and contemporary writers), allegory, poetry, research, postcolonial novels, and other literature. The course includes literary analysis and allows students to interact with sources, take effective notes, and develop and support a thesis. Non-research writing includes various creative responses to literature, personal essays, and reflective journals. During both semesters, students participate in a Book Club.

Course Content:

- Academic Essays
- Rhetorical Strategy Analyzation
- Recursive Nature of the Writing Process (Prewriting, Drafting, Revision, and Editing)
- Freewriting, Brainstorming, Questioning, and other Idea Strategies
- Writing Engagement that includes Sustaining and Generating Thoughts
- Logical and Coherent Writing Planning, Organization, and Production with Dialectical Process Evidence
- Strategic and Effective Use of Sources
- Syntax, Mechanics, Diction, and Sophisticated Writing Style

CCP English Composition - ENG 145 - 3 CCP credits

1 credit

Description:

This course is designed to assist the student in developing the skills necessary to meet the demands of typical writing situations, both academic and professional. The course will introduce the student to the common expository writing methods of description, narration, analysis, persuasion, and research presentation.

Course Content:

- Application of Conventions through Proper Formatting, Documenting, and Structuring of Written Texts, Controlling Surface Features as Syntax, Grammar, Punctuation, and Spelling
- Use Technology to Locate and Evaluate Information and Produce One's Own Writing
- Complete each Stage of the Writing Process to Produce a Cohesive Text
- Respond Appropriately to Various Rhetorical Situations
- Apply Critical Research, Reading, and Writing Skills to Integrate One's Own Ideas with those of Others
- Display a Biblical Worldview through Written or Oral Coursework

CCP Literature in Society - ENG 200 - 3 CCP credits

1 credit

Description:

This course explores the genres of creative nonfiction, fiction, drama, and poetry. We will experience literature by connecting to various timeless themes that occur and recur in society. A large part of the class will include daily discussion. As we discuss and as you read independently, an active and critical reading approach is necessary to get beyond the surface level of meaning. You will write in response to the literature, which will help you see thematic patterns.

Course Content:

- Investigate the Elements of Short Fiction, Drama, Memoir, and Poetry
- Apply Close Reading Strategies to Various Genres of Literature and Think Critically
- Develop a Literary Vocabulary (Terminology) in the Discussion of Literary Texts
- Develop Effective Arguments about Literary Texts
- Recognize thematic patterns and universal human concerns in literature.
- Respond to Literature in Writing that is Clear, Thesis-Driven, and Evidence-Structured

Financial Literacy and Career Skills

Career and Financial Literacy

.5 credit

Description:

In this course, students learn how to prepare for independent living. They learn and practice a variety of skills needed for the workplace. Students will practice being good stewards of the gifts given to them by God.

Course Content:

- Money Management, Monthly Cash Flow Plans, Purchasing Habits
- Credit/Banking
- Insurance
- Career Planning, College Readiness
- Resume Writing, Cover Letter, Interview Process

Math

Algebra I

1 credit

Description

“Mathematics is the alphabet God used to write the universe.” ~Galileo Galilei. This course introduces the student to the language of algebra. It prepares the student for geometry and other mathematics. It also exposes the student to the many uses of algebra in the real world around us.

Course Content:

- Connecting Patterns to Algebra
- Addition and Subtraction in Algebra
- Multiplication and Division in Algebra
- Reasoning with Equations and Inequalities
- Define and Use Slope, Slope Intercept Formula, and other Linear Equations
- Factoring Monomials and Polynomials
- Exponents, Exponential Functions, and Scientific Notation
- Quadratic Equations and Functions

Algebra II

1 credit

Description:

Algebra II builds on the foundations laid in Algebra I and Geometry, drawing on both to introduce new topics such as matrices, logarithms, and trigonometry. This course contains much of the mathematics that most colleges want or expect students to have studied. A student proficient in Algebra II should score well on the math portions of typical college entrance exams. This course is needed for those students who plan to advance to the Precalculus and Calculus levels.

Course Content:

- Functions
- Variations and Graphs
- Linear Functions and Sequences
- Quadratic Functions
- Exponential Logarithmic Functions
- Trigonometric Functions

Discrete Math/Computer Science (DMCS)**1 credit****Description:**

Discrete Math/Computer Science (DMCS) will explore a variety of discrete math topics through a mix of hands-on classroom activities, traditional mathematical/logical reasoning, and interactive computer science activities designed for students with no prior coding experience. All topics emphasize logical reasoning, proof, and communication with precise mathematical and computer science language. This course is being offered as an alternative to the Algebra II state requirement and for those students who are not planning to take Precalculus and Calculus. Students who complete this course will earn a state Technology Seal.

Course Content:

- Computational Thinking
- Computer Logic
- Game Theory
- Counting/Combinatorics
- Probability
- Connectivity, Iteration, and Recursion
- Cryptography

AP Calculus (also available for 4 CCP credits - MATH 203)**1 credit****Description:**

Calculus introduces the student to two major ideas in upper-level mathematics: the derivative and the integral. A precalculus course is expected as a prerequisite. Applications of derivatives and integrals are studied. Each student has the option of taking the AP Calculus exam in early May.

Course Content:

- Functions and models
- Limits and rates of change
- Differentiation rules
- Applications of differentiation
- Integrals
- Applications of integration
- Inverse functions
- Other AP topics

Personal Finance**1 credit****Description:**

Personal Finance will prepare students for the complex and rapidly changing world of managing personal finances. This course covers the mathematical concepts in depth.

Course Content:

- Budgeting
- Checking and Savings Accounts
- Investments
- Taxes
- Managing Credit
- Paying for College
- Housing Costs
- Owning a Vehicle
- Interest Rates
- Financial Goal Setting
- Managing Debt

Plane Geometry

1 credit

Description:

This course will introduce geometry concepts to students and teach them to apply them to the world around us.

Course Content:

- Language and Logic of Geometry
- Proofs Using Congruence
- Quadrilaterals and Triangle Congruence
- Constructions
- Dynamic Geometric Systems
- Angles and Lines
- Points and Lines
- Reflections
- Three-Dimensional Figures

Precalculus (also available for 4 CCP credits - MATH 150)

1 credit

Description:

Precalculus topics are further developed and studied. This course follows Algebra II in the math progression and prepares students for Calculus and/or AP Statistics.

Course Content:

- Exploring Data
- Functions and Models
- Transformations of Graphs and Data
- Circular Functions
- Trigonometric Functions
- Root, Power, and Logarithmic Functions
- Probability and Simulation
- Sequences, Series, and Combinations
- Polynomial Functions
- Rational Functions
- Quadratic Relations
- Polar Coordinates
- Intro to Statistics

AP Statistics (also available for 3 CCP credits - MATH 140)

1 credit

Description:

Advanced statistics covers probability, frequency distributions, hypothesis testing, and correlations. Students manipulate data and estimate the probability of an event occurring. Students will be prepared to take the optional AP exam in early May. (Note: While Precalculus can be helpful, it is not a requirement.)

Course Content:

- Introduction to Analyzing Statistical Data
- Visualizations of Data
- Introduction to Probability
- Discrete Probability Distribution
- Normal Distribution
- Planning and Conducting an Experiment
- Sampling Distributions and Estimations
- Hypothesis Testing
- Regression and Correlation
- Chi-Square

Physical Education and Health

Health

.5 credit

Description:

Health examines mental, physical, sexual, social, and emotional health topics. Students will have exposure to various guest speakers, from professionals who represent resources for the students to individuals sharing their personal stories. The content is focused on the scientific understanding of these topics. Still, students will be asked to think critically about these theories, in addition to cultural messages, and how these intersect with being a follower of Jesus Christ.

Course Content:

- Decision-Making, Stress, and Sleep
- Social and Emotional Health
- Mental Health, Neurons, and Brain Illness
- Nutrition and body movement
- Sexual Health and Healthy Relationships

Physical Education

Students must meet Central Christian School and Ohio Core Physical Education (PE) requirements by earning 0.5 credits of PE or by earning a PE Waiver. A PE Waiver may be earned through student participation in two high school athletic seasons. Students may also earn PE credit by participating in a PE Mini-term and/or completing a Physical Education Independent Study.

Physical Education Independent Study

This course allows students an opportunity to earn Physical Education course credit toward graduation requirements while pursuing personal fitness goals using scheduled activities outside of the school day. Students will submit a Physical Education Independent Study proposal for approval. This proposal must identify two or more physical education goals and the activities pursued to achieve these goals. Participants will keep a personal activity log to reflect on their completed activities. Activities such as, but not limited to, private gymnastics instruction, swimming, horseback riding, club sports outside of Central Christian, or a personal fitness plan involving physical exercise, activity, or workout plan are examples of activities that could be completed for credit. Students may choose one or multiple activities for a Physical Education Independent Study experience.

Lifetime Sports (elective option)

.25 credit

Description:

After high school and college, most people switch from highly competitive team sports to leisurely recreational activities. This class offers exposure to and practice of a variety of sports. Included will be tennis, golf, frisbee, bocce, croquet, shuffleboard, horseshoes, softball, archery, skeet, badminton, table tennis, darts, indoor soccer, racquetball, handball, wallyball, swimming, and bowling.

Science

Biology

1 credit

Description:

Biology is a survey course on living things. The course is a balance between science practices, laboratory skills, and knowledge of content.

Course Content:

- Genetics
- Mitosis and Meiosis
- DNA
- Transcription and Translation
- Evolution
- Biomolecules and Transport
- Respiration and Photosynthesis
- Ecology
- Fetal Pig Dissection

AP Biology (also available for 4 CCP credits - BIO 144)

1 credit

Description:

The Advanced Biology course covers topics typically found in a first-year college biology course and builds on concepts taught in high school biology. It focuses on science practices, laboratory skills, and essential knowledge students will need to be successful in college-level science. Discussions occur as the information from scientific theories intersects with our faith. Students will be prepared to take the optional AP exam in early May.

Course Content:

- Biochemistry
- Cell Structure and Function
- Cell Energy
- Cell Communication
- Hereditary Genetics
- Molecular Genetics
- Evolution and Creation
- Ecology

Botany

.5 credit

Description:

Botany is designed to look at different phyla of plants and their characteristics. Exploration centers on life cycles, reproductive structures, and cellular makeup of plants. The class uses a hands-on approach focusing on preserved and live specimens.

Course Content:

- Plant Diversity
- Alternation of Generations
- Anatomy of Roots, Stems, and Leaves
- Anatomy of Seeds and Germination
- Maple Syrup Research Project
- Anatomy of Flowers
- Flower Fertilization
- Plant Hormones
- Photosynthesis

Chemistry and Honors Chemistry

Description:

.5 credit/semester

Chemistry is a lab and lecture-based course that covers the content necessary to prepare students for college chemistry. The second semester is an elective course designed for students with a strong interest in science.

Course Content:

Semester 1

- Properties of Energy and Matter
- Scientific Measurements
- Chemical Change
- Atomic Structure
- Electron Configurations
- The Periodic Table

Semester 2

- Elements, Chemical Bonding, and Chemical Names
- Molecular Shapes
- Types of Reactions
- Group Properties
- Solutions, Acids, and Bases
- Stoichiometry and Thermodynamics

Earth Science

.5 credit

Description:

This course will allow students to explore interactions between the four major Earth spheres, including the geosphere, atmosphere, hydrosphere, and biosphere, to explain Earth's formation, processes, history, landscapes, and how and why Earth changes over time. Students will examine how current human actions affect Earth's spheres, leading to global changes.

Course Content:

- Science and Engineering Practices
- Nature of Science
- The Solar System & Interactions with Earth
- Weather & Climate
- Minerals, Rocks, Fossils
- Plate Tectonics
- Projects & Research

Environmental Science

.5 credit

Description:

This course covers several topics, including the biosphere, land, forests, soil, ecology, water, energy, resources, and society. Students will explore how systems in the natural world are interconnected. They will examine the natural cycles of energy flow and investigate how human interactions affect these cycles. Students will recognize the best ways to protect the environment and interpret evidence on environmental hazards and conditions.

Course Content:

- Scientific Method
- The Biosphere & Ecology
- Water
- Pollution
- Agricultural & Industrial practices
- Energy
- Global Change

Human Anatomy and Physiology

.5 credit

Description:

Human Anatomy and Physiology prepares students for understanding how bodies are structured and how they function. The following topics are covered in this course with laboratory exercises: comparative anatomy, identification of tissues (prepared and fresh samples), dissections of preserved cats, and fresh beef and pig joints (knee and hip joints). Three lab practicals assess the student's understanding of cat anatomy and physiology, tissue identification and function as well as bones, muscles, and joints. God's incredible design in His creation is emphasized. AP Biology is a recommended prerequisite.

Course Content:

- Introduction to Human Anatomy and Physiology
- Tissues
- Integumentary System
- Skeletal System
- Muscular System
- Introduction to the Nervous System

Physics

.5 credit

Description:

This course will focus on models for Mechanics using a Modeling Instruction approach. Students will actively engage as they practice the questioning and inquiry-based instructional skills essential to Modeling Instruction. Instruction will also emphasize content knowledge within the specific structure and sequence of models that allow students to describe, explain, predict, design, and control observable phenomena to create a historical progression of physical concepts.

Course Content:

- Constant Velocity, Constant Acceleration
- Free Particle
- Constant Force
- 2-D Particle
- Energy
- Central Force
- Impulsive Force

AP Physics

1 credit

Description:

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics by developing models of physical phenomena through inquiry-based investigations. Students build their understanding of physical models as they explore and solve problems in various content areas. Students will be prepared to take the optional AP exam early in May.

Course Content:

- Kinematics, Forces, and Translational Dynamics
- Work, Energy, and Power
- Linear Momentum
- Torque and Rotational Dynamics
- Energy and Momentum of Rotating Systems
- Oscillations

Zoology

.5 credit

Description:

Zoology is a survey course covering phyla in the animal kingdom. It focuses on the distinctive characteristics of each phylum group and how the body systems of each phylum compare to each other. Dissections are used to enhance the learning of this curriculum.

Course Content:

- Bacteria and viruses
- Porifera
- Cnidaria
- Mollusca
- Arthropoda
- Echnodermata
- Chordata

Social Studies

American Government

1 credit

Description:

This two-semester course introduces students to important political ideas, structures, and functions of the United States government. These structures include examining the government at the local, state, and national levels. Politically significant concepts are studied to assess and interpret data to develop evidence-based arguments.

Course Content:

- Foundations of American Government
- The Legislative Branch
- The Executive Branch
- The Judicial Branch
- Political Behavior: Government by the People
- Participating in Local and State Government

AP Government

1 credit

Description:

In this two-semester course, students study general concepts used to interpret US government and politics to analyze specific topics. An integral part of the course includes analyzing and interpreting basic data relevant to the US government and politics, developing connections, and applying relevant theories and concepts. Students will be prepared to take the optional AP exam in early May.

Course Content:

- Foundations of American Democracy
- Branches of Government
- Civil liberties and Civil Rights
- American Political Ideologies and Beliefs
- Political Participation

Modern World History

1 credit

Description:

This year-long course will examine world events from 1400 to the present. The impact of ideas and the Age of Enlightenment will be traced through historical events.

Course Content:

- French Revolution
- Industrial Revolution
- The Great War
- United Nations
- Scientific Revolution
- Modernization
- Cold War
- Economic Ups and Downs

United States History

1 credit

Description:

This two-semester course examines the history of the United States of America from 1877 to the present. Building upon earlier learned historical thinking skills, students will explore history by looking at both primary sources and secondary sources when trying to understand or arrive at a conclusion about historical events.

Course Content:

- Key US Historical Documents
- Industrialization and Progressivism (1877-1920)
- Foreign Affairs from Imperialism to Post-World War I (1898-1930)
- Prosperity, Depression, and the New Deal (1919-1941)
- From Isolation to World War II (1930-1945)
- The Cold War (1945-1991)
- Social Transformations in the United States (1945-1994)
- United States and the Post-Cold War World (1991-present)

Introduction to Sociology (elective option)

(also available for 3 CCP credits - SOC 201)

.5 credit

Description:

This course introduces fundamental sociological concepts, theories, and research methods. Students will explore how sociologists analyze social groups, institutions, and systems and learn to apply these tools to understand the complexities of social life. We will examine diverse perspectives and approaches to studying social phenomena, emphasizing the importance of critical thinking and evidence-based analysis.

Course Content:

- Foundational Sociological Concepts and Theories
- Explore Core Sociological Concepts
- Introduce Major Sociological Perspectives
- Sociological Research Methods
- Introduce Quantitative and Qualitative Research Methods Used in Sociology
- Focus on Evaluating the Reliability and Validity of Sociological Research
- Social Categories and Social Systems
- Analyze the Development of Social Categories and the Implications
- Examine the Dynamics of Social Institutions
- Analyze Social Processes such as Social Change, Social Movements, and Globalization

World Language

Spanish I, II

1 credit/year

Description:

These courses are anchored in the Theory of Language Acquisition by Dr. Stephen Krashen. The instructional methods have proven to be effective based on second language acquisition research over the past four decades. Using various comprehensible input strategies, students learn to become proficient at the novice to intermediate level based on the American Council of Foreign Languages and the Ohio State World Language standards in all four modalities: listening, reading, writing, and speaking. The target language is used to help students become proficient learners who can communicate appropriately and accurately for a purpose. Students use the target language to explore their own culture and the target language's culture.

Course Content:

- Integration of yearly Bible verses, the Lord's Prayer, and praise songs
- Effective usage of the comprehensible-based input curriculum by Martina Bex entitled *Somos*

Electives

***All Elective Courses are offered upon student interest, requests, and schedule availability. Some elective courses may not be offered every year.**

Applied Arts

Basics of Art I and II

.25 credit/each

Description:

This course will introduce students to a variety of mediums and the study of masterwork. Students will learn to appreciate art and important foundational skills through the study and creation of projects.

Course Content:

- Ceramics, Drawing, Printmaking, Painting
- Techniques Focused on Master Artists and their Works

Ceramics

.5 credit

Description:

This course will cover the basics of ceramics, including four modeling techniques. Students will research the history of ceramics through studying cultures and master artists' work.

Course Content:

- Clay, Glaze, Firing
- Pinch, Coil, Slab, and Wheel Techniques
- Study of Master Artists, Historical Cultures, and Characteristics of their Work

3D Art

.5 credit

Description:

3D Art is a hands-on class where students will develop and create a variety of 3 Dimensional artwork. 3D art is any artwork that has dimensions such as height, width and depth. Students will learn how to use a variety of materials such as clay, cardboard, paper mache, and more to create a variety of 3D projects. Along with creating a variety of 3D artworks, students will also have the opportunity to learn about art concepts as well as some art history, by exploring 3D artists and artworks.

Course Content:

- Explore a Variety of Materials to Create Sculptures, such as Paper, Cardboard, Ceramics, Paper Mache, and more
- Elements and Principles of Design
- Study of Master Artists and their Work

Drawing

.5 credit

Description:

Drawing begins by introducing exercises to learn how to see objects in order to draw them successfully. While the average adult has the drawing skills of a 9- to 10-year-old, this class provides the basic skills that anyone can learn and an inexpensive hobby that can be practiced anywhere.

Course Content:

- Elements and Principles of Design
- Still Lifes, Portraiture, Perspective, Figure Drawing
- Graphite, Charcoal, Colored Pencil, and Oil Pastel

Painting

.5 credit

Description:

Students will learn about the nature of colors when mixed, as well as the basic elements and principles of design, to create a visually pleasing composition. They will learn and use techniques in creating paintings using watercolor and acrylics.

Course Content:

- Elements and Principles of Design
- Color Theory through Working with Watercolor and Acrylics
- Study of Master Artists and their Work

CAD (Computer Aided Design) for Woodworking

.5 credit

Description:

Students explore the ever-changing landscape of graphics and computer design for the production of woodworking projects. Students will use VCarve Pro and Google Sketchup programs to construct, modify, and manage 2D and 3D projects through the click of a button, a process known by many as CAD (Computer Aided Design). Skills learned in this class are directly applicable to students with an interest in architecture or engineering as a career or those who want to explore the newest form of woodcraft.

IT Career Skills

.5 credit

Description:

Students will be trained in technical skills that enable them to work effectively alongside classroom instructors as Student Technology Leaders. The STLs will learn how to plan technology lessons, assist with IT tasks, and troubleshoot issues.

- Students will receive the necessary training that allows them to help with school-wide IT needs, including Chromebook repairs pc repairs, and software training
- Students will have access to the GenYES Ohio community in Open Space to access materials
- In this class, students will learn how to work one-on-one with teachers to create and implement projects that enhance classroom learning, such as developing presentations or conducting research
- This class operates on a project-based learning model to achieve basic IT certification

Woodworking

.5 credit

Description:

This is a furniture-making course. Students will learn how to operate the power tools in the shop safely. They will learn how to estimate what materials will be needed and determine the costs needed for their project. The instructor will assign several projects to complete. The course will emphasize producing a quality product and using production time wisely.

Business and Technology

Accounting I

.5 credit

Description:

Basic principles of double-entry accounting are taught. Emphasis is placed on the accounting cycle, special journals, and ledgers, as well as honesty and integrity in the business marketplace.

Course Content:

- Starting a Proprietorship
- Changes that Affect Owner's Equity
- Analyzing Debit and Credit Parts
- Journalizing Transactions
- Posting to a General Ledger
- Cash Control Systems
- Worksheet for a Service Business
- Financial Statements
- Closing and Adjusting Entries

Coding Applications

.5 credit

Description:

This class is designed to explore programming in more depth. Students will explore the basics of programming using Python, Web Design (HTML and CSS), and JavaScript. In each unit, students will learn about the syntax and logistics of coding through individual projects that showcase the knowledge specific to each topic, building in

complexity as the semester progresses. Students will also explore some of the basics of computer hardware and cybersecurity.

Course Content:

- Computer Science Vocabulary
- Basic Python
- Loops
- Functions
- More Python: Creating a Game with Pygame
- Introduction to Robotics
- Creating Websites
- HTML
- CSS
- Introduction to JavaScript
- Simple Apps
- Basic Cybersecurity Concepts
- Computer Components

Introduction to Business

.5 credit

Description:

Introduction to Business is designed to examine the structure of a business and observe its principles of operation. Respect for customers, coworkers, and owners is taught as important for success in the global business community.

Course Content:

- Yearbook Ad Sales
- Leadership and Management
- Financial Management
- Sales
- Business Organization
- Human Resource Management
- Marketing and Advertising
- Starting and Running a Small Business

Marketing and Communications

.5 credit

Description:

In this course, students encounter the fundamentals of marketing, one of the most major facets of our culture today. Considering what it means to market responsibly and sustainably, students practice design, photo, and film editing with Adobe products. Local marketing firms and workers will visit this class throughout the semester. Projects include product photography, brochure design, short films, and others.

Course Content:

- Fundamentals of Marketing
- Design, Photo, and Filmmaking
- Adobe Premier, Photoshop, and InDesign

Media Studies

.5 credit

Description:

Media studies is an introduction to basic media and analyzing/understanding mass communication and social acceleration. Film techniques and history are discussed and practiced as students create various videos, such as advertisements and sitcom openings. Film analysis plays a key component in experiencing these techniques. Discussion of ethics in media is incorporated so students can deconstruct media to make good choices.

Music

Chorale (Freshmen/Sophomores)

.25 credit/semester

Semester 1 is required for Freshmen

Description:

Requiring every student to learn the fundamentals of choral music is a unique educational goal at CCS. Singing is a living reflection of our Christian heritage—past, present, and future—which is the fundamental reason we pursue it at Central. The health and vibrancy of our churches and community are directly connected with the musical contributions of their members. Chorale meets 2-3 times per week.

Course Content:

- Four-part written music with and without accompaniment
- Sight-reading in four-part harmony
- Music analyzation
- Intonation awareness, blend, and balance
- *Hymnal: A Worship Book*
- Singing music memorized
- Cultural music education

Concert Choir

.5 credit/semester

Description:

This course introduces and reinforces more advanced choral concepts and more challenging literature. It is an elective open to juniors and seniors who meet certain musical criteria. Concert Choir performs three times at school and 3-4 Sunday evenings. A highlight is the annual Mennonite Schools network choir festival in April. There is a fee for spring semester participation.

Course Content:

- Sight reading using solfeggio
- Divided song parts
- Vibrato and tone color
- Song connections to non-musical life aspects
- Vocal range expansion
- Community service through performance
- Song impact and meaning (theological, emotional, etc.)
- Leadership and gift discernment within a group

Guitar I and II

.25 credit/each

Description:

Guitar courses help students increase their ability to play the guitar through the study of chording, note reading, and strumming. The course will include group and individual study with a focus on learning a variety of styles needed for a lifetime of practical music making.

Course Content:

- Chording
- Strumming, flatpicking, and fingerpicking
- Fingerboard geography and note names
- Playing by ear

Heartland Strings

.25 credit/year

Description:

Advanced instrumentalists who wish to study chamber music may form a small ensemble (trio, quartet, etc.). Students will study chamber music literature and its performance, organization procedures, and self-direction. Students will perform in church services, community events, and recitals.

Jazz Band

.15 credit/year

Description:

This course offers the opportunity to play a variety of styles, including contemporary, jazz, gospel, and rock. Specialized notation, rhythms, and hand styles will be discussed and executed. Students will gain experience as soloists through individualized parts and opportunities to create improvised solos. Enrollment in this course is contingent upon director approval and satisfactory participation in band and/or Wind Ensemble. Performance opportunities include the Fall concert, Christmas concert, High School Spring concert, community events, and occasional high school basketball games.

Varsity Singers

.25 credit/year

Description:

Varsity Singers is Central's auditioned chamber choir. The group consists of 16 members, performing frequently during the school year. This ensemble excels in acapella music representing historical and geographical genres. They have been featured in special events like McKinley Museum Christmas, Stan Hywet Hall, Lehman's Old-time Christmas, the biennial Madrigal Feast, and the annual Singing Valentines. Occasionally, the group has done weekend tours to places like Chicago, Indianapolis, and Kentucky. Auditions are held at the end of each year for students entering grades 10-12 to determine the following year's group.

AP Music Theory

.5 credit

Description:

Music consists of more than just performing or listening. Music theory will expand the ways students interact with music. Composing, arranging, improvising, playing in an ensemble, and developing listening skills are part of the world of music we will explore. A working knowledge of theory is needed to equip students with the necessary tools to become lifelong, independent, creative musicians. Becoming a person capable of making a musical impact in their communities is the goal. Students will be prepared to take the optional AP exam early in May.

Course Content:

- Standard musical vocabulary fluency
- Major and minor scales (writing, singing, aural recognition, playing on keyboard)
- Piano basics proficiency (triads, arpeggios, simple bass patterns)
- Advanced listening skills (melodic, rhythmic, harmonic dication)
- Music analyzation (harmonical through numerical analysis)
- Arranging music
- Putting theory into practice by helping in chapel

Orchestra

.25 credit/semester

Description: Students participate in the Strings ensemble or Wind ensemble to form our CCS orchestra. Orchestral literature and techniques will be taught. Opportunities to perform will include high school fall concert, Christmas concert, Spring concert, and community concerts. Students will perform as a full ensemble and address all the issues that arise from playing in a large group: balance, dynamics, intonation, and blend.

Course Content:

- Note accuracy, tone, intonation, articulation, dynamics, interpretation, rhythm
- Audience performance
- Collaborative ensemble work (listening to the overall sound, working together on non-playing tasks)
- Historical and theoretical aspects of music
- Personal instrument skills
- Benefits and fun of making music and group performance

Other Electives

Yearbook

.5 credit/semester

Description:

In this course, students will produce a Grade 9-12 student-designed yearbook. They will take on various leadership and editorial roles in the production of the yearbook. They will study ethics, advertising, photography, layout, and design.

Course Content:

- Adobe InDesign
- Graphic Design
- Photography
- Advertisement Layout

Food and Gardening Science

.5 credit

Description:

This class is designed to give students the skills and knowledge to grow their own food and use it in fun and nutritious ways. Students will learn various techniques to grow plants in Ohio, both outside and in, along with techniques to extend the season. Students will also learn about the fundamentals of cooking, baking, and food safety. Physical activity will be a requirement for several activities in the class, but modifications will be made for any student with health concerns/limitations.

Course Content:

- Learn the cycle of growing and using your own food (planting, weeding, harvesting, cooking, and seed saving)
- Learn about how to use common kitchen and gardening tools
- Learn about the elements of nutrition and what our body needs to be healthy
- Learn how to prepare healthy items from the garden

- Learn about the importance of healthy soil and how to cultivate it
- Learn how to plan a garden to maximize biodiversity and reduce pests
- Learn about current and past agricultural practices and their effect on people and the environment

Heart of Central

Heart of Central is a non-academic group time that intentionally focuses on building strong positive relationships between peers and teachers for each grade level and all students at CCS. Heart of Central is a time for building and growing community. Research shows that the intentionality of relationship building or “school connectedness” can positively impact the creation of a safe school environment. CCS students develop self-awareness, social awareness, life competencies, personal faith, and leadership qualities through a regular, intentional, non-academic group time of learning and engagement with peers and teachers.

Mini-term (.25 credit/year)

Mini-term is a popular and unique curriculum experience at Central Christian. Mini-term provides learning experiences different from the traditional classroom setting. Intentional focus is given to one content area for eight days. During this experiential setting, students often have the opportunities to share their faith journey with others, give to others in concrete ways through service, learn more about themselves in new settings, and build new relationships in the context of the Mini-term. Students choose classes designed by faculty and members of the Central Christian School community to provide enriched learning on and off campus.

Mini-term courses are offered in January after Christmas break and at the beginning of June.

- Students are required to have a Mini-term credit for each high school year of attendance at CCS
- All students must be present for a minimum of six of the eight days to receive credit
- Students are graded on a Pass/Fail system, determined by the Mini-term teacher