CENTRAL CHRISTIAN SCHOOL

Course Curriculum

2019-2020

Grades 9 – 12

High School Curriculum Overview

Our goal is to provide an educational program that allows students to grow in preparation for college and career. The required Central Christian School, 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 students take upon admission into high school at Central Christian School. This curriculum guide provides details for each required course as well as details for elective courses students may choose.

2019 -2020 Course Requirements

Total Requirement	Freshman	Sophomore	Junior	Senior
Bible ▪ 3 credits total required	Old Testament .5 *.5 credits required*	New Testament .5 *.5 credits required*	New Testament .5 *.5 credits required*	Church History .5 Kingdom Living .5 *1 credit required*
English ▪ Meets Ohio Core Requirement ▪ 1 credit per year ▪ 4 credits total required	English I 1 *1 credit required*	English II 1 *1 credit required*	English III 1 *1 credit required*	Themes in Literature 1 *1 credit required*
Math ▪ Meets Ohio Core Requirement ▪ 1 credit per year ▪ 4 credits total required	Algebra I or 1 Plane Geometry 1 *1 credit required*	Plane Geometry 1 or Algebra II 1 *1 credit required*	Algebra II or 1 Precalculus (CCP) 1 AP Statistics (elective) 1 *1 credit required*	Personal Finance 1 Calculus (CCP) 1 AP Statistics (elective) 1 *1 credit required*
Science ▪ Meets Ohio Core Requirement ▪ 3 credits total required	Botany .5 Zoology .5 *1 credit required*	Biology 1 *1 credit required*	Chemistry I .5 *.5 credits required*	Physics - Waves .5 *.5 credits required*
Social Studies ▪ Meets Ohio Core Requirement ▪ 3 credits total required	Modern World History 1 *1 credit required*	US History 1 *1 credit required*	Government 1 *1 credit required*	
Health ▪ Meets Ohio Core Requirement ▪ .5 credits total required		Health .5 *.5 credits required*		
Physical Education ▪ Meets Ohio Core Requirement ▪ .5 credits total	Students who do not participate in 2 seasons on a CCS athletic team needs to take a 2 PE Mini-Terms totaling .5 credits or participate in an Independent Study (Credit Flex) PE course option.		Students participating in 2 seasons on a CCS athletic team are waived from Ohio Core PE requirement.	
Economics & Financial Literacy ▪ Meets Ohio Core Requirement ▪ .5 credits total required				Life Skills .5 *.5 credits required*
Fine Arts ▪ Meets Ohio Core Requirement ▪ 1 credit total required	Chorale .25 .25 credits required (1 semester)	After the completion of the required .25 credits of Chorale, students must earn .75 more Fine Arts credits during their high school career. *1 credit required*		
Foreign Language ▪ 1 credit of Foreign Language required	Spanish I 1 German I 1 1 credit required		Students may take another Foreign Language as an Independent Study (Credit Flex) to meet the Foreign Language credit requirement.	
Total Credits for 2019-2020 Central Christian School high school diploma: 20.5 required and 2.5 electives = 23 credits				

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 Central Christian School website. To designate a course as honors, students must complete and submit an Honors Contract application. Students who are interested in taking a course) for honors credit should contact the High School Principal and Guidance Counselor for details about the honors application process.

Advanced Placement (AP)

Advanced Placement (AP) is a nationally recognized program that puts forth advanced curriculum in preparation for the AP Exam. Qualifying scores on AP Exams allow students the opportunity 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 1
- AP Statistics

College Credit Plus (CCP)

CCP courses offer students the opportunity to earn both high school and college credit 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 a partnership with Malone University and The University of Akron at Wayne College to offer seven College Credit Plus courses on our campus taught by Central Christian School teachers. The on-campus CCP courses through Malone University include: Biology (4 credit hours), Pre-Calculus (5 credit hours), Calculus (5 credit hours), Statistics (3 credit hours), English Composition (3 credit hours), and Creative Writing (3 credit hours). The on-campus CCP course through The University of Akron at Wayne College is Introduction to Sociology.

Students can take on campus Central Christian CCP courses through two methods: State of Ohio CCP Option or Malone University self-pay option. Under the State of Ohio 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. The Malone University self-pay option allows students to take Central Christian CCP courses for a cost of $41.50 per credit hour.

The process for application and inquiry for CCP courses begins in mid-February of the year previous to enrollment in a CCP course. A CCP Informational Parent-Student meeting is held in January to explain the CCP process. Students who are interested in participating in CCP courses at Central Christian or at an Ohio college or university should contact the Central Christian School High School Principal for details about the CCP application process. Information about Central Christian CCP courses and the CCP application process can be found on the Central Christian School website.

Art

Basics of Art I and II **.25 credits each course per semester**

Description:

This course will be an introduction to a variety of mediums and study of master work. Students will learn to appreciate art as well as important foundational skills through the study and creation of projects.

Course Content:

- Ceramics, drawing, printmaking, photography
- Study of master artists and their work

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 artist work. Students conclude the course by reflecting on the correlation between their experiences in the class with scripture about us as the clay in the hands of God, the potter.

Course Content:

- Clay, glaze, firing
- Pinch, coil, slab and wheel techniques
- Study of master artists and historic cultures and characteristics of their work

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

Drawing **.5 credit**

Description:

Drawing begins by introducing exercises to learn how to see objects in order to successfully draw them. While the average adult has the drawing skills of a 9-10 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 life's, portraiture, perspective, figure drawing
- Graphite, charcoal, colored pencil, and oil pastel

Art (continued)

Photography and Printmaking **.5 credit**

Description:

Students will spend nine weeks studying the basics of photography, the functions and settings on the camera, as well as the aspects of a successful photograph. The final nine weeks will be spent studying three printmaking techniques through researching artists and creating projects.

Course Content:

- Camera functions and basic photography skills
- Linoleum, silk screen and monoprint techniques
- Study of master artists and their work

Independent Study **.5 credit**

Description:

Independent study allows students to choose a medium to study with some assistance from the teacher. A proposal will be written for each project, including materials needed, objectives, subject to be illustrated, and due dates. Students will also learn time management skills.

Course Content:

- Proposals accepted
- Minimum of five completed projects within the medium of choice
- Study of master artists and their work
- Possible Independent Study course ideas: Art History, Basics of Art, Ceramics, Painting, Printmaking, and Photography, other course topics may be accepted

Bible

Old Testament **.5 credit**

Description:

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 the covenant God initiated with Noah, Abraham, the people of Israel, David and Jeremiah, and how the people respond and live within the covenant.

Course Content:

- Study the 10 historical periods of Israelite history within the 39 books of the Old Testament
- Learn about the nature of God as revealed in the people and events of the Old Testament and fully revealed in Jesus Christ
- Explore 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
- Prepare and present a memorized 15 - 20 minute speech of the Old Testament as the culminating learning experience and final exam

Bible (continued)

New Testament (Gospels) **.5 credit**

Description:

New Testament (Gospels) invites students to engage the question: "Who do you say I (Jesus) am?", while learning the historical narrative of Jesus from the Gospels. Students will understand the early first century historical, social, political and religious context of Jesus.

Course Content:

- Students are invited to make Jesus both Savior and Lord of their lives
- Learn the story of Jesus in the Gospels
- Learn about Christian faith and discipleship with an emphasis on the life, death, resurrection and teachings of Jesus
- Learn the love ethic (Shema and Shalom) evident in the life, death, resurrection and teachings of Jesus

New Testament (Letters) **.5 credit**

Description:

New Testament (Letters) invites students to engage the question: "Who do you say I (Jesus) am?", as they study the New Testament Letters. Students will understand the early first century historical, social political and religious context of the early Christian movement (church) and emergence of the New Testament writings.

Course Content:

- Students are invited to Christian faith and discipleship
- Learn the story of first century Christianity in Acts and the Letters of the New Testament
- Learn Christian theology and discipleship as revealed in the New Testament writings with an emphasis on the writings of Paul

Church History **.5 credit**

Description:

This one semester Church History course begins by looking at the early church soon after Jesus ascended into heaven. Examination is made of key events in those early years as the church came to understand the significance of the life of Jesus, His teaching, resurrection and how the church grew into a global body of believers.

Course Content:

- Impact of Emperor Constantine and the state merging with the church
- The next 1,000 years of the ongoing struggle between church and state
- Martin Luther's Reformation
- Origins of Anabaptism
- Major research project examining their own church's unique faith history

Bible (continued)

Kingdom Living **.5 credit**

Description:

Kingdom Living invites seniors to articulate their identity as followers of Jesus, while evoking discussion among peers during the course.

Course Content:

- Explore and examine citizenship in the Kingdom of God and further develop a biblical understanding of the gospel message centered in Christ Jesus
- Acquire knowledge of the Christian world-view and the promises of the gospel for the 21st century with an emphasis on Anabaptist Mennonite Faith practices
- Explore and analyze the call to Christian discipleship with an emphasis on the impact of faith commitments in all areas of life
- Collaborate with others to learn about Christian faith, discipleship and practices
- Explore, assess, and articulate personal beliefs, identify formative experiences and vision/goals
- Examine, reflect on, and articulate one's personal spiritual journey and views of Christianity

Introduction to Christian Faith **.5 credit**

Description:

This course is a general overview of the books of the Bible and how they are connected from Genesis to Revelation to form one story of God's love for mankind and God's provision for man's salvation. Biblical archaeology, historical records, and apologetics will be discussed to ascertain the Bible as a reliable source of information about God and man and what makes the Bible different from other religious literature.

Course Content:

- Emphasis on Genesis account of creation, fall of man and establishment of Jewish nation in preparation for the coming of the Messiah
- In-depth study of the life of Christ as portrayed in the Gospels
- Birth and advancement of early church in the book of Acts and epistles

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

Business and Technology (continued)

Accounting II **.5 credit**

Description:
A continuation of Accounting I with an emphasis on a partnership and payroll accounting. The emphasis on ethics and stewardship challenges students to be responsible Christian citizens.

Course Content:

- Journalizing purchases and cash payments
- Journalizing sales and cash receipts
- Posting to general and subsidiary ledgers
- Preparing payroll records
- Payroll, taxes and reports
- Worksheet for a merchandising business
- Financial statements for a partnership
- Recording, adjusting and closing entries for a partnership

Business and Personal Law **.5 credit**

Description:
Business and Personal Law is designed to introduce students to law as it relates to business and everyday life. Students will learn to define law and law-related terms, as well as why law is needed in today's society. Students will learn how to differentiate among ways in which ethical decisions can be made and how to preface their decisions with Christian principles.

Course Content:

- Identify and define a variety of intentional and unintentional torts
- Distinguish the difference between different types of crimes
- Describe the six elements of contracts
- Explain the importance of warranties
- Distinguish among various forms of credit and describe the principle types of bailments
- Explain how people can make a will and formal requirements of a will

Introduction to Business **.5 credit**

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

Course Content:

- The business environment
- Forms of business organization
- Leadership and management
- Financial management
- Sales
- Business Organization
- Human resource management
- Marketing and advertising
- Starting and running a small business

Business and Technology (continued)

Media Studies **.5 credit**

Media Studies is an introduction to basic broadcasting and video production. Film techniques and history is discussed and practiced as students create their own variety of videos, such as advertisements and sitcom openings. Film analysis plays another key component in experiencing these techniques and history. Discussion of ethics in media is also incorporated so that students can deconstruct media to make good choices.

Online Business **.5 credit**

Description:

Online Business is designed to examine the structure of a business started on the internet, learning the principles that apply to its operation. The course will focus on retail business principles, practices, and related aspects of running an online business.

Course Content:

- Retail online business
- Principles of selling online
- Social media and online business
- Entertainment and education
- Creating and running an online business

Economics and Financial Literacy

Career and Financial Literacy **.5 credit**

Description:

Students learn how to prepare for life on their own, living independently. They learn and practice a variety of skills needed for the work place. Students will practice being good stewards of the gifts given to them by God.

Course Content:

- Money management
- Credit/Banking
- Insurance
- Career planning
- Resume writing, cover letter, interview process

Health and Physical Education

Health **.5 credit**

Description:

Health examines mental, physical, sexual, social, and emotional health issues. Students will have exposure to various guest speakers, from professionals who represent resources for the students to individuals sharing their personal stories. Students are encouraged to practice healthy behaviors and reduce safety risks. They will also think critically about the influence of culture and media and how this relates to being a follower of Jesus Christ.

Health and Physical Education (continued)

Health (continued)

Course Content:

- Mental Health
- Nutrition and Fitness
- Sexual Health
- Personal Health

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. Students may earn PE credit through participation in a PE Mini-Term and/or through completing a Physical Education Independent Study.

Physical Education Independent Study **.25 or .5 credits available as earned**

Physical Education Independent Study provides students an opportunity to earn Physical Education course credit toward graduation requirements, while pursuing personal fitness goals using activities that are scheduled 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 activity or activities that will be pursued to achieve these goals. Participants will keep a personal activity log to reflect on their activities completed. Activities such as, but not limited to private instruction in gymnastics, 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.

Physical Education Waiver

Central Christian students who complete two seasons of a school sponsored athletic team (Freshmen, Junior Varsity, and/or Varsity levels) during their four-year high school career, can earn a Physical Education Waiver to meet high school graduation requirements. The PE Wavier meets the PE course objectives and requirements set forth by the state of Ohio.

Industrial Arts

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 a program known as VCarve Pro to construct, modify, and manage 2D and 3D projects through the click of a button, a process known by many as CAD or Computer Aided Design. Skills learned in this class are directly applicable to students with interest in architecture or engineering as a career or those who want to explore the newest form of woodcraft.

Industrial Arts (continued)

Woodworking **.5 credit**

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

Language Arts

English I **1 credit**

Description:
Students study a wide range of literature including *The Odyssey, 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 a number of essays and complete various creative projects that allow them to engage with literature in different ways.

Course Content:

- Novels and Short stories
- Drama
- Research, writing, and speaking
- Nonfiction
- Mythology
- Vocabulary development
- Writing a narration
- Independent reading project

English II **1 credit**

Description:
Students study elements of fiction, short stories, and novels including *Dr. Jekyll and Mr. Hyde*. During the first semester, students write a 10-12 page work of fiction using all the elements of fiction learned in the Mystery Writing Project. Students also study various nonfiction works including excerpts from Silent Spring. Students study the drama, *A Midsummer Night's Dream*. Other writing assignments include various short works of fiction, personal and analytical essays and journal reflections.

Course Content:

- Narrative and fiction writing
- Shorts stories/literary terms
- Poetry
- *Midsummer Night's Dream*
- *Dr. Jekyll and Mr. Hyde*
- Country Literature Study Festival
- *A Separate Peace*
- Creative writing
- Independent reading project

Language Arts (continued)

English III **1 credit**

Description:
In English III, students continue to develop their reading, writing, speaking, and critical thinking skills, focusing on the study of 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*
- PSAT review
- *The Crucible*
- *Huckleberry Finn*
- Survey of American poets
- Persuasive speeches
- American short stories
- *The Great Gatsby*
- Media Awareness
- Independent reading projects

Themes in Literature **1 credit**

Description:
Students study drama (Shakespeare and contemporary writers), allegory, poetry, rhetorical appeals, research, postcolonial novels and other literature. The course includes a research project that allows students to interact with sources, take effective notes, develop and support a thesis, and prepare and share a presentation to younger students. Non-research writing includes various creative responses to literature, personal essay, and reflective journals.

Course Content:

- Develop various strategies for reading academic essays and analyzing rhetorical strategies
- Practice the recursive nature of the writing process: prewriting, drafting, revising, and editing
- Employ various strategies (such as freewriting, brainstorming, questioning) for discovering and exploring ideas
- Understand how to engage in writing as a way to generate and sustain thinking
- Plan, organize and produce writing that is logical, coherent, and shows evidence of a dialectical process
- Integrate sources smoothly into the text and use them strategically and effectively
- Develop greater sophistication in writing style through consideration of syntax, mechanics, and diction

English Composition – ENG 145 (Only available as CCP - 3 credit hours) **1 credit**

In English 145, students will have opportunities to explore and refine written argument, analysis, and narrative. In the course, we will study works of classic and contemporary literature and a practical writing handbook. From Malone's University's catalog: "Emphasizes writing as a recursive process and offers practice in reading and responding to expository essays. Students explore language as a means of discovering and communicating truth. Grading is limited to A through C- and No Credit." Students will read two additional books as part of Book Club throughout the semester.

Language Arts (continued)

Creative Writing – (Available as CCP – 3 credit hours) **1 credit**

Students in Creative Writing read several complete works of fiction and nonfiction as well as collections of poetry. At the same time, the class engages in discussions of craft and entertains various writing exercises designed to push writers beyond their initial writerly impulses and to learn from established writers. We will complete formal and informal writing pieces, and ultimately reflect on our growth as writers in genre portfolios in poetry, nonfiction, and fiction. Students may participate in a reading event. Students additionally read two books independently in Book Club throughout the semester.

Course content:

- Poetry collections
- Nonfiction works
- Novels
- Informal writing
- Formal writing (peer edited, revised)
- Portfolio

Yearbook I and Yearbook II **.25 credits each course per semester**

Yearbook I and Yearbook II are offered each semester simultaneously.

Description:

Journalism class produces a Grades 5-12 student-designed yearbook. Students 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 program
- Selling and layout of advertisements
- Photography
- Graphic design of yearbook

Math

Algebra I **1 credit**

Description:

"Mathematics is the alphabet God used to write the universe." ~Galileo Galilei
Algebra I 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:

- Uses of variables
- Multiplication in algebra
- Addition and subtraction in algebra
- Linear sentences
- Division in algebra
- Graphing linear equations
- Exponents and powers
- Quadratic equations
- Linear systems
- Functions

Math (continued)

Plane Geometry — 1 credit

Description:

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

Course Content:

- Language and logic of geometry
- Proofs using congruence
- Quadrilaterals and triangle congruence
- Constructions
- Angles and lines
- Points and lines
- Reflections
- Three dimensional figures

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 math portions on typical college entrance exams.

Course Content:

- Functions
- Variation and graphs
- Linear functions and sequences
- Quadratic functions
- Exponential and logarithmic functions

Precalculus (Available as CCP – 4 credit hours) — 1 credit

Description:

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

Course Content:

- Exploring data
- Functions and models
- Transformations of graphs and data
- Circular functions
- Trigonometric functions
- Root, power and logarithm functions
- Probability and simulation
- Sequences, series and combinations
- Polynomial functions
- Matrices and trigonometry
- Quadratic relations
- Trig preparation for calculus
- Matrices
- Powers
- Trigonometry
- Polynomials

Math (continued)

AP Calculus (Available as CCP - 5 credit hours) **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 pre-requisite. 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 behind personal finance as well as discussing in depth Dave Ramsey's *Total Money Makeover*.

Course Content:

- Gross income
- Net income
- Record keeping
- Checking and savings accounts
- Investments
- Cash purchases
- Credit cards
- Loans
- Housing costs
- Vehicle transportation

AP Statistics (Available as CCP - 3 credit hours) **1 credit**

Description:
Advanced statistics covers probability, frequency distributions, graphing, 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.

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
- Analysis of variance and the F-distribution

Music

<u>Chorale</u> (Freshmen/Sophomores) **.25 credit/semester**
Semester 1 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 CCS. The health and vibrancy of our churches and community are directly connected with the musical contributions of its members.

Course Content:

- Sing music written in four parts, with and without accompaniment
- Sight-read accurately
- Analyze and describe the elements of music in a work that make it
- unique, interesting and expressive
- Develop a keener sense of intonation awareness, blend and balance
- Expose and reinforce the musical and theological resources found in the *Hymnal: A Worship Book*
- Memorize every piece we perform
- Perform at our three on-campus annual concerts and choir contest

<u>Concert Choir</u> (Juniors/Seniors) **.5 credit/semester**

Description:
Concert Choir introduces and reinforces more advanced choral concepts needed in pursuing excellence and more difficult literature. It is an elective first semester and open to juniors and seniors who must audition for choir second semester. Concert Choir performs approximately six times in the spring semester. Concert Choir also participates in the MSC Mennonite Choir Festival each April (a student fee is assessed for this trip).

Course Content:

- Excel at sight reading using solfeggio
- Sing music in more than four parts
- Introduce concept of vibrato and tone color
- Connect all songs with non-musical aspects of life; math, history, and geography
- Expand vocal ranges
- Serve the community by singing in local churches, retirement centers and three annual school concerts
- Discuss theological impact of our songs

<u>Guitar I and Guitar II</u> **.25 credits each course per semester**

Guitar I and Guitar II are offered each semester simultaneously. This course helps students increase their ability to play the guitar through the study of chording, notation reading, strumming and possibly tablature. The course will include group and individual study, with a focus on learning a variety of styles and methods.

Course Content:

- Chording and proper playing techniques
- Fingerboard geography and note names
- Style and interpretation
- Performance etiquette and participation

Heartland Strings **.1 credit**

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 **.2 credit**

This course offers the opportunity to study the genre of jazz, including the various forms, styles, and techniques exclusive to jazz music. Students will experiment with creating their own solos through improvisation. Enrollment in this course is contingent upon director approval and satisfactory participation in orchestra. Performance opportunities include Prelude and Dessert, high school Christmas Concert, Mennonite Orchestra Festival, high school Spring Concert, community events and high school boys' basketball games.

Varsity Singers **.2 credit**

Varsity Singers is Central's auditioned chamber choir. Consisting of 16 members, they perform approximately 25 times during the school year. This ensembles excels in acappella 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 to determine the next year's group.

AP Music Theory **1 credit**

Description:

Music theory will expand the ways students interact with music. Music consists of more than just performing or listening. Composing, arranging, improvising, learning an instrument, 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 for equipping students with the necessary tools to become life-long, independent and creative musicians, capable of making an interesting musical impact in their communities. Students will be prepared to take the optional AP exam early in May.

Course Content:

- Become fluent in musical vocabulary
- Know all major and minor scales by writing, singing, aural recognition, and playing these scales on the keyboard
- Become proficient on piano basics using triads, arpeggios, and simple bass patterns
- Develop advanced listening skills through melodic, rhythmic, and harmonic dictation
- Analyze music harmonically, using numerical analysis
- Manipulate and expand chords by inversions and additions
- Perform arrangements
- Arrange a hymn for chapel by adding instruments and changing harmonies
- Apply theoretical ideas into practice by arranging and accompanying music in chapel.

Music (continued)

Orchestra **.25 credit/semester**

Description:

Orchestra offers student participation in string orchestra, wind ensemble, and full orchestra. Orchestral literature and techniques will be taught. Opportunities to perform will include Prelude and Dessert, high school Christmas Concert, high school Spring Concert, MSC Orchestra Festival 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:

- Learn music at rehearsals by concentrating on note accuracy, tone, intonation, articulation, dynamics, interpretation and rhythm, so that it can be performed well for an audience
- Learn to work together as an ensemble. This includes listening to the overall sound of the group, as well as working together on non-playing tasks
- Learn about the historical and theoretical aspects of the pieces
- Improve skills on personal instrument through practice during and outside of rehearsals
- Learn that making music and performing together is fun

Science

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
- The anatomy of roots, stems, and leaves
- The anatomy of seeds and germination
- Maple syrup research project
- The anatomy of flowers
- Flower fertilization
- Plant hormones
- Photosynthesis

Zoology **.5 credit**

Description:

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

Course Content:

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

Science (continued)

Biology **1 credit**

Description:
Biology is a lab-oriented course in which students will engage scientific concepts such as cell biology, genetics, and human biology. A survey of the animal kingdom is focused on during the second semester, which is enriched by several dissections.

Course Content:

- Genetics and biotechnology
- Biochemistry
- Cell biology
- Kreb's cycle
- Photosynthesis
- Protein synthesis and DNA
- Mitosis and meiosis
- Symbiotic relationships
- Populations
- Water pollution
- Human biology

Chemistry

***First Semester is required for all Juniors** **.5 credit required**

***Combined Semester 1 and 2 offered as Honors Chemistry** **1 credit**

Description:
Chemistry is a lab and lecture-based course. This course covers content necessary to prepare students for college chemistry. Second semester is an elective course, designed for students who have 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

AP Biology (Available as CCP - 4 credit hours) **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. There is a focus on science practices, laboratory skills, and essential knowledge students will need to be successful in college-level science. Students will be prepared to take the optional AP exam in early May.

AP Biology (continued)

Course Content:

- Cell biology and communication
- Nervous, immune, endocrine systems
- Biotechnology
- Biochemistry
- Evolution and creation
- Energy transfer
- Molecular genetics
- Hereditary genetics

Physics: Waves **.5 credit**

Description:

Physics opens the world of wave motion to students. The main areas of study include sound and light, their components, characteristics, and phenomena associated with sound and light.

Course Content:

- The science of physics
- Vibrations and waves
- Sound
- Light and reflection
- Refraction
- Interference and diffraction
- Electric forces and fields

AP Physics **1 credit**

Description:

Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. Students will be prepared to take the optional AP exam early in May.

Course Content:

- Objects and systems have properties such as mass and charge. Systems may have internal structure.
- Fields existing in space can be used to explain interactions.
- The interactions of an object with other objects can be described by forces.
- Interactions between systems can result in changes in those systems.
- Changes that occur as a result of interactions are constrained by conservation laws.
- Waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena.

Human Anatomy and Physiology **1 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, fresh beef and pig joints (knee and hip joints).

Science (continued)

Human Anatomy and Physiology (continued)

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
- Digestive system
- Respiratory/Circulatory systems
- Excretory/Reproductive systems

Social Studies

Modern World History **1 credit**

Description:

This year-long course will examine world events from 1600 to the present. The impact of ideas and the Age of Enlightenment will be traced through events in history.

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 State of America from 1877 to the present. Building upon earlier learned historical thinking skills; students will examine history by looking at both primary sources and secondary sources, when trying to understand or arrive at a conclusion about historical events.

Course Content:

- Examination of key historical documents
- Industrialization and Progressivism (1877-1920)
- Foreign Affairs from Imperialism to Post-World War I (1898-1930)
- Prosperity, Depression, the New Deal (1919-1941)
- From Isolation to World War (1930-1945)
- The Cold War (1945 - 1991)
- Social transformations in the United States (1945 - 1994)
- United States and the Post-Cold War World (1991 to present)

Social Studies (continued)

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 government at the local, state and national level. 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 State and Local Government

AP Government **1 credit**

Description:

In this two semester course, students study general concepts used to interpret U.S. government and politics and analyze specific topics. An integral part of the course includes analysis and interpretation of basic data relevant to U.S. government and politics, and the development of connections and application of relevant theories and concepts. Students will be prepared to take the optional AP exam early in May.

Course Content:

- Foundations of American Democracy
  - Foundations of Government
  - The Beginnings of American Government
  - The Constitution
- Interactions Among Branches of Government
  - The Legislative Branch
  - The Executive Branch
  - The Judicial Branch
  - State and Local Courts
- Civil Liberties and Civil Rights
  - Protecting Civil Liberties
  - Citizenship and Civil Rights
- American Political Ideologies and Beliefs
  - Government by the People (voting)
  - Public Opinion, Interest Groups and Mass Media
  - State and Local Government
- Political Participation
  - Elections
  - Government and the Economy

Introduction to Sociology (Only available as CCP - 3 credit hours) **1 credit**

Basic terminology, concepts and approaches in sociology, including introduction to analysis of social and methods of presentation groups and application of sociological concepts to the understanding of social systems.

Course Content:

- Demonstrate knowledge of major sociological concepts, findings, and historical perspectives.
- Evaluate the reliability of sociological resources.
- Identify and evaluate quantitative and qualitative approaches as appropriate for sociological research questions.

Social Studies (continued)

Introduction to Sociology (continued)

Course Content:

- Articulate the sociological concepts necessary to explain the different ways that race, ethnicity, gender, national origin and other dimensions of diversity are socially constructed.
- Explain how social structure, social processes and diversity impact the creation, acquisition and application of knowledge.

World Language

German I, II, III **1 credit each**

Description:

German focuses on basic vocabulary and grammar. This is a communicative approach to learning using the textbook series Geni@l klick. The series integrates listening, speaking, reading, writing, video and internet, which enable students to express themselves about their everyday experiences.

In German III, students will hone their skills in reading, listening, speaking, and writing. Class will be focused on encountering German literature through short stories and fables, listening to and reading authentic German media, and then using writing and speaking to discuss those topics. And of course, students will receive more advanced grammar! The class will be conducted primarily auf Deutsch!

Course Content:

- Bible integration of school theme verse, Lord's Prayer, 23rd Psalm, praise songs and Advent Bible readings
- Cultural emphasis on traditions, holidays, geography, history, music and foods
- Opportunity to host and/or travel to Germany with an exchange program Semester projects

Spanish I, II **1 credit each**

Description:

Spanish focuses on basic vocabulary and grammar. This is a communicative approach to learning using the textbook series Descubre. The series integrates listening, speaking, reading, writing, video and internet, which enable students to express themselves about their everyday experiences.

Course Content:

- Bible integration of school theme verse, Lord's Prayer, 23rd Psalm, praise songs and Advent Bible readings
- Cultural emphasis on traditions, holidays, geography, history, music and foods
- Semester projects

Heart of Central

Students participate in Heart of Central, a curriculum designed to help each student discover an identity in Christ and learn to lead themselves so they can eventually lead others. This character development curriculum is taught in the academic classroom and through chapel presentations.

Mini-Term

Mini-Term is a popular and unique curriculum experience at Central Christian. Mini-term provides learning experiences different than the traditional classroom setting. Intentional focus is given to one content area for eight days. During this experiential setting in the context of mini-term, students often have the opportunity to share their faith journey with others, to give to others in concrete ways through service, to learn more about themselves in new settings, and to build new relationships. Students choose classes designed by faculty 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 6 of the 8 days to receive credit.
- Students are graded on a Pass/Fail system, determined by the mini-term teacher.