Course Description Guide for 2023-24

<u>Bible</u>

9th - Intro to Bible

This course identifies the Old and New Testament books along with the authors of these books. It identifies key ideas, themes, and figures of the books. Students create visuals/engage in activities addressing themes, time spans, figures, personal application, etc. Bible memory is a requirement for this course

9th/ **Church History**

This course is a survey of significant people and events that comprise the history of the Church. Beginning with the Old Testament, students trace God's plan for establishing a godly representation in the world from Adam to the inception of the Church in Acts. The study highlights key aspects of Church history: the inception of the Church in Acts; the Roman Empire and its decline; the Middle Ages; the Reformation and the emergence of modern denominations. The goal of the study is to observe God's sovereignty, glory, and faithfulness to His Word and to His people throughout history. Personal application is integrated throughout the study. Student-created visuals and timelines aid students in grasping and interpreting concepts. Bible memory is a requirement for this course. This course is offered every other year, alternating with Spiritual Discipleship.

11th/ **Biblical Worldview**

This course begins with an apologetic for the absolute authority of the Bible as the Word of God. With the standard of God's truth as the foundation for discernment and understanding, the study broadens to investigate five current and prominent worldviews. Each worldview is defined within its historical context, researched and interpreted using primary sources, and analyzed in light of its worldwide influence. Personal application is integrated throughout the study. Student-generated projects aid students in grasping and interpreting concepts. Bible memory is a requirement for this course. This course is offered every other year, alternating with Doctrine of God.

10th - Christian Apologetics

12th The word apologetics comes from the Greek word ἀπολογία (apología) meaning defense. Christian apologetics, then, is the science of giving a defense of the Christian faith. This course focuses on being able to defend the faith with reason, gentleness, and respect. Students use the scriptures and the writings and videos of Christian apologists. Bible memory is a requirement for this course

English

9th English 9

Students study and master basic concepts of grammar, including parts of speech, parts of sentences, phrases, clauses, syntax, and punctuation; write paragraphs, essays, narratives, and poetry; read and discuss works of literature in a variety of genres; read selections from the classics and modern literature reading lists and respond in writing to their reading; complete creative projects and class presentations both independently and in groups; and learn and incorporate into their writing vocabulary with an emphasis on classical roots.

9th - **Basic English**

Students study and develop basic concepts of grammar, including parts of speech, parts of sentences, phrases, clauses, syntax, and punctuation; write paragraphs, short essays, and narratives; read and discuss works of literature in a variety of genres in class; read short selections from the classics and modern literature reading lists and respond in writing to their reading; complete creative projects and class presentations both independently and in groups; learn and incorporate into their writing vocabulary with an emphasis on classical roots.

10th American Literature

This course focuses on application and integration of grammar, research, and writing skills. Also, students read and discuss works of American literature in class; read selections from the American classics and modern literature reading lists and maintain reading journals; complete creative projects and class presentations both independently and in groups; learn and incorporate into their writing vocabulary with an emphasis on classical roots. SAT prep and career prep (writing a resume and cover letter, preparing for an interview) are also included in this course.

11th British Literature

This course focuses on application and integration of grammar, research, and writing skills. Also, students read and discuss works of British and other European literature in class; read selections from the British classics and modern literature reading lists and maintain reading journals; complete creative projects and class presentations both independently and in groups; learn and incorporate into their writing vocabulary with an emphasis on classical roots.

12th World Literature

This course builds on previous English instruction, functioning as a capstone course in composition and textual analysis. Major focuses of the course include Ancient Western World literature, poetry, drama, and short stories from around the world, and novels from Africa and Latin America. In addition to continued improvement in reading, writing, speaking, and listening skills, students will compose essays, lead discussions, create group projects and presentations, and conduct large quantities of research, including critical and scholarly writing.

11th/ **Dual Credit English Language and Composition**

Dual Credit English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. CCS is partnering with Cairn University to offer both high school and college credit for completing and passing this class. *Prerequisite: A in British Literature or American Literature and teacher recommendation.*

Mathematics

9th- Algebra 1

A major emphasis of this course is the solving and graphing of both linear and quadratic equations and systems of equations. Beginning with a review of integers, the course includes the study of rational and real numbers, functions, polynomials with factoring, and problem-solving.

9th- **Geometry**

12th This course begins with an introduction to undefined terms, basic geometric definitions, and some postulates. These are used, along with theorems, to write geometric proofs involving angles, parallel lines, and triangles. Other aspects of geometry, such as geometric construction, area and volume, trigonometry, circles and spheres, and logic, are also included in this course. Occurrences of mathematics and geometry in the natural world are highlighted as evidence of God's orderly design.

9th/ Foundations of Geometry

This course is offered as needed, alternating with Foundations of Algebra. Geometric terms, definitions, and postulates are introduced. Proofs are investigated and read but are not written. Basic constructions are demonstrated.

10th- Algebra 2

Algebra 2 provides an extension of concepts taught in Algebra I. Topics covered include equations and inequalities, polynomials, factoring, exponents and radicals, irrational numbers, exponential and logarithmic functions, imaginary numbers, quadratic equations, matrices, and more. Graphing calculator skills are taught and used. Students develop critical thinking skills and problem-solving strategies to help prepare them for future courses and college entrance exams. Graphing calculators are required for this course. *Prerequisite: C or better in Algebra 1.* If not, one must take an Algebra 1 refresher course over the summer before taking Algebra 2 or have taken and passed College Prep Math.

10th - **Statistics**

This course is designed to provide a basic understanding of descriptive and inferential statistics. Topics include the measures of central tendency, standard deviation, combinations and permutations, probability, sampling, and various distributions. Emphasis is on applications of statistical concepts

10th/ **Consumer Math**

This course provides students with the math skills that are needed for daily practical living. Topics include earning money, taxes, tithing, banking, investments, budgeting, buying and owning a car, and using credit. A scriptural perspective on finances is incorporated as students are encouraged to be effective stewards of their material and financial resources. Basic written computation and mental math skills are also maintained and improved. This course is offered every other year, alternating with Business Math.

11th/ **Pre-calculus**

Pre-calculus provides an extension of concepts taught in Algebra 2 and Geometry as an introduction to Calculus. Topics covered include concepts from algebra and trigonometry. Graphing calculators are required and are used extensively in this course. Emphasis is given to critical thinking skills and problem-solving strategies. *Prerequisite: C or better in Algebra 2*

12th Advanced Placement Calculus

AP Calculus is a college-level course that provides an extension of Pre-calculus topics and covers limits, derivatives, and integration thoroughly. Students are expected to show understanding graphically, verbally, and algebraically. Graphing calculators are required and are used extensively. Advanced placement testing can be chosen for potential college credit. *Pre-equisite: Pre-Calculus and teacher recommendation.*

Science

9th/ **Biology**

The content of God's living creation includes the study of the scientific method, chemistry as it relates to living organisms, cells, and the law of biogenesis, genetics, and human anatomy and physiology. Students are encouraged to develop an appreciation for God's created life. Labs are an integral part of this course.

9th - Environmental Science

Environmental Science explores subjects such as ecosystems, natural disasters, global warming, pollution, human population growth and controls, food production and distribution, land use, energy, and biodiversity. Specific topics of study are determined by student interest and current events. An emphasis is given to stewardship of God's creation and analysis of contributing conditions, ramifications, and differing views of designated topics of study. This course is usually offered every other year, alternating with Applied Science.

10th - **Chemistry**

This course examines the properties and structure of matter. Basic changes and interactions of elements and compounds are examined. Labs are performed to emphasize basic concepts. *Prerequisite: Algebra 1*

10th - **Human Anatomy and Physiology**

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. Topics covered include the basic organization of the body, anatomical terminology, biochemical composition of the human body, major body systems, and the impact of diseases on certain systems. Students engage in many topics and competencies related to truly understanding the structure and function of the human body, utilizing various reading materials, study guides, unit worksheets, group work, projects, and labs. *Prerequisite: Biology*

10th - **Kinesiology**

This course focuses on the study of human movement and health. Similar to anatomy and physiology, kinesiology studies anatomical terms, anatomical directions, skeletal and muscular systems, cardiovascular system, and respiratory system. Once the student has a foundation of anatomy, the course dives into biomechanics and how motion occurs within the body. All of what is learned is viewed through the lens of exercise, physical training, and everyday human movement. Students engage in various ways of learning and assessments: lecture, presentations, reading, labs, worksheets, projects, and application of principles. *Prerequisite: Biology or Anatomy and Physiology*

11th/ Advanced Placement Biology

AP Biology offers an in-depth study of units relating to biochemistry, the cell, genetics, mechanisms of evolution, animal and plant form and function, and ecology. Lab work is included. Advanced placement testing can be chosen for potential college credit. This course is offered every other year, alternating with Physics. *Prerequisites: Biology and Chemistry and teacher recommendation.*

11th/ **Physics**

This course is a study of the physical laws of God's universe and the interactions of matter and energy. Units include mechanics, motion, heat, thermodynamics, mechanical energy, periodic motion, sound, and light. Lab work is included. This course is offered every other year, alternating with AP Biology. **Co-requisite: Algebra 2**

9th- Intro to STEM (Biology)

12th This course will be a project based learning in this area will focus on the incorporation of Scientific method to investigate the problems at hand in Biology.

- 9th Intro to STEM (Chemistry)
- 12th This course will be project based learning in these two areas will focus on the incorporation of Scientific method to investigate the problems at hand in Chemistry
- 9th Intro to STEM (Physics/Geology)
- 12th This course will be project based learning in these two areas will focus on the incorporation of Scientific method to investigate the problems at hand in Physics/ Geology

History and Social Studies

9th - U.S. History 2

This course deals with topics from 1865 to the present. Included in the course are studies of western expansion, industrialization, World Wars I and II, presidential leadership to the present, and current events.

9th - **Economics**

This course studies the basics of economic theory and principles. It focuses on an overview of financial markets, labor and economic challenges, and the government's role in the economy. A comparison of different economic systems, as well as international trade and the globalization of the economy, is also included. The biblical principle of stewardship is emphasized.

10th -

12th **Psychology**

This course is a basic introduction to the study of psychology. Emphasis is given to the biblical view of man versus the humanistic view. Topics such as memory, intelligence, critical thinking, elements of personality, the basis of learning, lifespan development, psychological disorders, and the influence of the environment are covered. The focus of the course is the active participation of each student in areas such as research, current events discussions, and individual and group projects.

10th - World History 3

This course covers the time period from World War 2 to the present, viewing these historical events and developments from a biblical perspective. Emphasis is given to the analysis of the ways in which historical individuals, groups, and events impact life today. Concepts such as continuity/change and conflict/cooperation are studied throughout the different time periods and cultures. Current events are an integral part of this course.

10th-

12th Civics

This course studies the organization and function of the federal government as well as state and local governments. Emphasis is placed on the rights and responsibilities of effective citizens. Current events are an integral part of the course and students will learn and apply news literacy throughout the year.

11th/ Advanced Placement Government and Politics

This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Advanced placement testing can be chosen for potential college credit. **Teacher recommendation is required.**

9th-12th North and South American Culture and Geography This course will broaden the horizons of students as t

This course will broaden the horizons of students as they dive into the rich cultures of the area. The course will teach students the geography, and certain cultural aspects, including the music and dance, food and cuisine, and holidays and celebrations. This course will be very interactive and hands-on throughout the trimester. Students will be able to analyze and evaluate maps, graphs and reading excerpts unique to the cultures studied.

9th- **European Cultures and Geography**

This course will broaden the horizons of students as they dive into the rich cultures of the area. The course will teach students the geography, and certain cultural aspects, including the music and dance, food and cuisine, and holidays and celebrations. This course will be very interactive and hands-on throughout the trimester. Students will be able to analyze and evaluate maps, graphs and reading excerpts unique to the cultures studied.

9th- African/Asian Culture and Geography

This course will broaden the horizons of students as they dive into the rich cultures of the area. The course will teach students the geography, and certain cultural aspects, including the music and dance, food and cuisine, and holidays and celebrations. This course will be very interactive and hands-on throughout the trimester. Students will be able to analyze and evaluate maps, graphs and reading excerpts unique to the cultures studied

World Language

9th Spanish 1

Students are introduced to the fundamentals for learning the Spanish language: listening, speaking, reading, and writing. Emphasis is placed on common verbs in the present tense and vocabulary about everyday situations. Simple Bible verses are practiced throughout the year.

10th Spanish 2

12th Students continue to build vocabulary and grammar through listening, speaking, reading, and writing. New verbs and new tenses of those verbs are added. An emphasis is placed on improving students' speaking ability. Students create and perform dialogues, incorporating new vocabulary and grammatical concepts learned. Writing skills are developed through compositions.

11th/ Spanish 3

Spanish 3 is an intermediate course that promotes individual conversation, composition, and reading of short stories. There is a heavy concentration of grammatical concepts that are reinforced by watching videos, listening to and singing songs in Spanish, writing and performing skits, and being involved in group conversations.

Technology/Trades

9th- Digital Photography & Graphic Design

12th This course covers basic concepts and practice of digital photography, including understanding and use of the camera, lenses, and other basic photographic equipment. This course will also explore graphic communication through the understanding of the elements and principles of design; as well as, the design process, from idea development through the final execution of a document.

9th- Video Production

12th This course will introduce students to video camera operation, camera stabilization techniques, lighting, scripts and storyboarding, digital imaging, motion graphics software, and importing/exporting graphics, movies, animations and sound effects into, or out of video editing software.

9th- Game Design

The course of game design encompasses the entire process of creating and publishing games. Game design draws from the fields of computer science and programming, creative writing, psychology, and graphic design.

9th- Computer Coding and Programming

12th This course will teach the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science.

10th - **Childcare**

Students assist with the CCS childcare available for CCS faculty. Students help the childcare workers in daily tasks such as playtime, storytime, snack break, and lunch duties. This course can be for one trimester or all three trimesters.

9th - Foundations of Health

This course focuses on health issues that are relevant in our current society. It is an overview course that introduces many dimensions of health. Topics include health and wellness, mental health, emotional health, stress management, social health, and relational health. Students learn through a variety of ways: classroom discussion, reflection, lecture/notes, projects, content quizzes/tests, and classroom activities.

11th-12th

Spiritual and Everyday Leadership

This course will allow for students to get a foundation of what it means to be a true leader. Leadership has many facets, but as believers, it is pertinent that we approach leadership through the lens of scripture. We are all created in God's image, with distinct gifts and personality traits that make us unique. We will learn what it looks like to love others, serve others, and ultimately lead others in our everyday lives. This course will be book led (Lead like Jesus by Ken Blanchard and Phil Hodges) and will have a heavy focus on discussion and reflection. There will also be opportunities for activities and project based learning. Prerequisite: Foundations of Health

9th-

11th PE Coaching 101

This course is a practical class that will explore the various components that come along with being a coach. Students will learn how to motivate their players, lead with integrity, and ultimately Honor the Lord in their approach to athletics. This is a hands-on course and students will have the opportunity to pick a sport that they want to focus on and complete a variety of projects including drill books, practice plans, designing plays, coaching philosophy, running a live practice session, teaching a skill, and much more.

11th-

12th PE Life Skills (Family Consumer Science)

This course will be focused on learning general things needed to be successful in adulthood. Topics studied include: general budget creation, basic finance principles, basic cooking skills, how to do laundry, how to manage a home, how to fix minor things in a home, and much more. The goal of this course is to set up students with practical skills that can help them in adulthood. The majority of the learning will be project-based.

Prerequisite: Foundations of Health

9th-

12th PE Team Sports and Disc Golf

This course will have the opportunity to learn the basic rules/skills of sports like: basketball, volleyball, soccer, lacrosse, baseball, etc. When on campus, the plan is to play those sports and compete with your classmates. On block days, we will go off campus to French Creek and play Disc golf. You will learn the basics of disc golf, but we will not spend much time teaching all the ins and outs of the sport.

9th-

12th International Food and Games/Dance

This course will explore different sports, food, and dances from a variety of cultures. The students will have an opportunity to learn about games and dances they may have never heard of and cook that country's cuisine. The goal of this course is to immerse the students into different cultures. At the end of the course, the students will take a field trip to a local eatery to try authentic food.

9th-12th

Lifetime Sports and Activities

This class will be focused on the many sports that are available once we leave the standard team sport scene. Pickleball, Tennis, and Disc Golf will be the main focus of the course. However, we will also spend some time learning yard games like Corn hole, spikeball, Kan Jam, and Kubb. They will learn the rules, skills, and basic terminology in the variety of activities. Off campus will mainly consist of time at the Pickleball and tennis courts. Disc Golf will mainly be played on campus.

Visual Arts

9th - Yearbook

This course encompasses yearbook design, layout, time management, format, and digital photography with the end goal of creating both a secondary and elementary yearbook for all to enjoy. Graphic design and digital photography skills enhance the artistic aspect of this course, while skills in photojournalism and communication are learned and exercised as students connect with the CCS community to accurately capture the school year for documentation. Students learn the basic use of a digital camera and its variety of settings to capture moments that are aesthetically pleasing and useful for the overall design of the books. Students also are asked to be active attenders of school events of all kinds in order to have the photographs needed to provide a well-rounded view of the school. Working as a staff team in class, students brainstorm themes and design ideas, learning ways of constructively critiquing their own as well as each other's work to achieve books of memories that bring glory to God and joy in remembrance for the CCS community.

9th - **Ceramics 1**

In this course, students are introduced to the fundamentals of clay and how to work with this media to achieve a 3-dimensional form. The class focuses on hand-building techniques such as pinch pot and coiling, experimenting with how to work the clay using both their hands and a variety of tools. In this process, students sketch, brainstorm, and research other clay artists to gain inspiration for their own work. Along with molding the clay, students learn about the stages of its development, from the plastic stage to the bisque fire to the final glaze fire in the kiln. Students see and experience the loading and firing of the kiln that transforms their clay creations into true ceramic-ware. This course is largely project-based, with some identification assessment and written classwork when composing artist statements and constructively critiquing work completed in class.

9th - Ceramics 2

Using the foundations established in Ceramics 1, students build on their knowledge of working with clay by moving into the more advanced skill of throwing on the wheel. Students first observe and learn the several steps involved in the processes of centering and pulling up the walls of a vessel before trying it for themselves. During the course, students practice how to properly prepare, handle, and clean up the clay materials that they work with every day. Students also have the opportunity to load and fire the kiln with the pieces that they create on the wheel, eventually moving into learning techniques of glaze application to add color and design to their creations. This course is largely project-based, with some written classwork when composing artist statements and constructively critiquing work completed in class. *Prerequisite: Ceramics 1*.

9th - **Sculpture**

In this course, students explore the use of a variety of materials to achieve three-dimensional form. There is personal experimentation, as well as the study of historic and contemporary sculpture artists that inform the students' own creations. Utilizing skills of sketching "in the round" and the building materials available to them, students plan the sculptures they create, learning about additive, subtractive, and assemblage techniques to make their visions reality. Students also learn how to use the elements and principles of art to talk about and constructively critique sculpture art. Depending on the project and the resources available in the classroom, students may be asked to bring in their own materials in order to create what they have designed. This course is largely project-based, with written classwork when composing artist statements and constructively critiquing work completed in class.

9th - **Painting 1**

In this course, students learn and employ the elements and principles of art as they relate specifically to the media of paint. Students demonstrate increasing knowledge and skills through experimentation and exercises in painting subject matter that range from representational (realistic) to non-representational (abstract), working with an easel, and experiencing the technique of "Plein air" by painting outside. Students gain knowledge in painting theory through the practices of color mixing and the use of unconventional tools to create their paintings. In addition, students learn to recognize and apply different techniques associated with various painting media and study and respond to paintings from a variety of sources. Sketchbooks are used to document the progression of skills acquired and self-expression. The sketchbook is provided by the student and is used for visual and written entries, including responses and reflections on painted works and techniques. This course is largely project-based, with some written classwork when composing artist statements and constructively critiquing work completed in class.

9th - Painting 2

Using the foundation of knowledge in the elements and principles of art, color theory, various painting techniques, and subject matter distinction as they relate to painting in the Painting 1 course, students work to build on these skills through the further advanced exploration of artists that work in paint and other, more specific variations of the media. These areas of exploration include historic and contemporary artists and the introduction to watercolor. Sketchbooks are used to document the progression of skills acquired and self-expression. The sketchbook is provided by the student and is used for visual and written entries, including responses and reflections on the works of artists that are studied, as well as watercolor experimentation and planning. This course is largely project-based, with some written classwork when composing artist statements and constructively critiquing work completed in class. *Prerequisite: Painting 1*

9th - **Drawing**

In this course, students are introduced to the foundations of the drawing media and the importance of drawing as a basis for all other art forms. They will explore several materials to use for drawing (including graphite, charcoal, colored pencils, toned paper and more) as they are tasked with observing and capturing a variety of subjects. Study will involve different techniques of drawing accurately, including the use of correct proportions and depicting light and form through a range of shading techniques. This course is highly encouraged for students to take **early** who may be interested in pursuing future art classes.

Performing Arts

9th - A cappella Choir

Students enrolled in this course explore one of the music industry's growing trends: a cappella singing! Students learn to sing parts, harmonize by ear, arrange popular tunes, and explore a variety of genres while singing with a talented group of musicians.

9th - IHL (In His Likeness) High School Concert Choir

Emphasis is placed on developing quality vocal production, improving music-reading abilities, and learning a variety of challenging choral music. The choir participates in the school Christmas concert, the Evening of Science and Arts, and other occasional performances in the community. Participants audition for a year-long commitment and wear formal concert attire for performances.

9th - Introduction to Piano

This course is designed for students who have little or no training in piano and wish to learn the basics of playing, such as reading music, proper posture, hand position, etc.

9th - **Music Theory**

Students practice and develop musical skills that help them build their understanding of music composition and theory. Topics include simple and complex rhythms, chord structures, key signatures, and more.

9th - Leading Worship Skills

Students learn practical leadership skills as worship singers and instrumentalists while also being challenged to grow in their own lives of worship. This course finds its foundation in what scripture says about worship and how to use scripture to inform the way that we worship and lead others.