

COURSES AVAILABLE BY GRADE LEVEL

BIBLE

Grade 9

Biblical Worldview

Grade 10

Apologetics

Grade 11

Cultural Engagement

Grade 12

Senior Discipleship Survey

Electives

Freshman Experience (required)

Apologetics

New Testament Survey (grades 11-12 Dual Enrollment) *

Old Testament Survey (grades 11-12 Dual Enrollment) *

Christian Leadership (grades 11-12)

The Life and Teachings of Christ (grades 11-12 Dual Enrollment) *

Christian Apologetics (grades 11-12 Dual Enrollment) *

Biblical Discipleship for Girls

Biblical Discipleship for Boys

Biblical Identity

*requires an additional fee

BIBLE DEPARTMENT***Biblical Worldview******Grade 9***

Students will be engaging with different facets of the Biblical Worldview and the implications it has on how we engage the culture.

Apologetics***Grade 10***

Students will be equipped with the reasoning behind the sustainability of the Christian faith amidst pluralistic societal sentiment, learning specifically the reasons to be able to know of the viability of the Christian faith. Included in this survey is an understanding of divergent worldviews and an examination of their fallacies and deficits.

Cultural Engagement***Grade 11***

Students will take knowledge and skillset from the previous two years as a means of learning about, making a viable assessment of, and coming to a conclusion about divergent cultural issues. A core pillar of this class is a focus on students coming to their own conclusions about divergent worldview and cultural topics.

Senior Discipleship Survey***Grade 12***

Students will have a book study of a specific book of the Old and New Testaments with an emphasis on the reason for studying the Bible and the life application that naturally comes from its study. Additional emphases include analysis of Christian classics.

BIBLE ELECTIVES***Freshman Experience (required)******Grades 9***

Freshman Experience is a course designed for incoming 9th grade students to acclimate them to the school culture. Additionally, this is where teachers, administration, and staff have an opportunity to share important school procedures, help them navigate their schedules and online systems, and help them start thinking about their future after CCS.

Apologetics***Grades 9, 10, 11, 12***

In this course the Pastor surveys the history of apologetics and demonstrates that reason and science are your allies in defending the existence of God and the historical truth claims of Jesus Christ. He affirms four logical premises that are necessary for all reasonable discourse, and teaches you how to defend your faith in a faithless world. Furthermore, he points out that there are many levels on which to defend your faith, and shows how apologetics brings comfort and confidence to Christians of all ages.

New Testament Survey (Dual Enrollment) ****Grades 11, 12***

An introduction to the authorship and contents of the New Testament books. Special attention will be given to important persons, places, events, as well as to key chapters in the New Testament revelation.

Old Testament Survey (Dual Enrollment) ****Grades 11, 12***

An introduction to the authorship and contents of the Old Testament books. Special attention will be given to important persons, places and events, as well as to key chapters in the Old Testament revelation.

Christian Leadership**Grades 11,12**

This course is a study of the life of Jesus Christ based upon the four canonical Gospels of the New Testament. This course examines the major events in the life of Jesus and both the forms and content of Jesus' teaching including theology, Christology, the Kingdom of God, and the ethics of the Kingdom.

The Life and teachings of Christ (Dual Enrollment) ***Grades 11,12**

This course is a study of the life and teachings of Christ based upon the four canonical Gospels of the New Testament. This course examines the major events in the life of Jesus and both the form and content of Jesus' teachings including theology, Christology, the Kingdom of God, and the ethics of His Kingdom...

Christian Apologetics (Dual Enrollment) ***Grades 11,12**

This course is a study of the historical, philosophical, and scientific defense of the classical Christian Faith... Topics include the concept of truth in a Postmodern age, the historical reliability of the Gospels, issues regarding science and faith, arguments for the existence of God, and the problem of religious pluralism...

Biblical Discipleship for Girls**Grades 9,10,11,12**

This class is an opportunity to grow deeper in personal relationship with Jesus Christ and to become a more devoted follower of Him. We will enjoy digging into God's Word, and be encouraged in prayer, worship, loving obedience, sharing our faith, and serving with gladness. It is an interactive class as we learn together with the goal of knowing God more and living to please Him in all we think, say, and do.

Biblical Discipleship for Boys**Grades 9,10,11,12**

The class is designed for our students to Grow closer to the Lord and become a man that is a Disciple of Christ and a Disciple Maker. Our young men will be challenged to critically engage about societal/cultural issues facing men today and what the Bible says about issues such as work, relationships, marriage, fatherhood etc.

Biblical Identity**Grades 9,10,11,12**

In this class you will learn about what it means to be a child of God and who you are in Christ. Your identity is not based on what you do or who people say you are, but is it based on what God says in His Word. True success is knowing "whose you are" and that you are created in God's image to live free and fearless.

COURSES AVAILABLE BY GRADE LEVEL

ENGLISH

Grade 9

CP English 1
Honors English 1

Grade 10

CP English 2 (American Literature)
Honors English 2 (American Literature)

Grade 11

CP English 3 (British Literature)
Honors English 3 (British Literature)
AP Language and Composition*

Grade 12

CP English 4 (World Literature)
Honors English 4 (World Literature)
AP Literature and Composition*

Electives

Introduction to Journalism
Yearbook Design
Principles Public Speaking (Dual Enrollment through Pillar College) *
Drama
Debate Fundamentals
Debate Formal Approaches
Logic and Argumentation

CP (College Prep)

AP (Advanced Placement)

*requires an additional fee

ENGLISH DEPARTMENT**CP English 1****Grade 9**

Prerequisite: Completion of required summer reading list

In this course, students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature, both classic and modern. Students read short stories, poetry, drama, novels, essays, and informative articles. The course sharpens reading comprehension skills and engages readers in literary analysis as they consider important human issues and challenging ideas. Students also learn to read for information in nonfiction texts.

Honors English 1**Grade 9**

Prerequisite: Completion of required summer reading list; placement determined by placement test, previous standardized testing and 6, 7, 8 grade record.

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Students enrolled in this course work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned.

CP English 2 (American Literature)**Grade 10**

Prerequisite: Completion of required summer reading list

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Honors English 2 (American Literature)**Grade 10**

Prerequisite: Completion of summer reading list; “**B**” average in previous honors course or an “**A**” average in previous English course with teacher approval as well as a writing sample.

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

CP English 3 (British Literature)**Grade 11**

Prerequisite: Completion of required summer reading list

In this course, students read and analyze works of British literature that reflect the rich and diverse history of the Western world. As students’ progress through centuries of literature in a loose chronological arrangement, they will see how British literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Honors English 3 (British Literature)**Grade 11**

Prerequisite: Completion of required summer reading list; “**B**” average in previous honors course or an “**A**” average in previous English course with teacher approval as well as a writing sample.

In this course, students read and analyze works of British literature that reflect the rich and diverse history of the Western world. As students’ progress through centuries of literature in a loose chronological arrangement, they will see how British literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that extend their knowledge and deepen their understanding of the themes and ideas presented in the curriculum

CP English 4 (World Literature)**Grade 12**

Prerequisite: Completion of required summer reading list

This English course follows World literature from its beginning in the ancient East through the twentieth century. Literary selections are representative of various historical periods, various cultural traditions and various literary genres. The course is primarily designed to meet the needs of the college bound student and emphasizes the development of composition skills, literary analysis and critical thinking. Students will continue to develop research skills and apply them in producing a required research paper that focuses on argumentation.

Honors English 4 (World Literature)**Grade 12**

Prerequisite: Completion of required summer reading list; “**B**” average in previous honors course or an “**A**” average in the previous English course with teacher approval as well as a writing sample.

This English course follows World literature from its beginning in the ancient East through the twentieth century. Literary selections are representative of various historical periods, various cultural traditions and various literary genres. The course is primarily designed to meet the needs of the college bound student and emphasizes the development of composition skills, literary analysis and critical thinking. Students will continue to develop research skills and apply them in producing a required research paper that focuses on argumentation. Additional readings and assessments will be assigned to meet the needs of the students in this challenging course.

AP COURSES (the AP College Board test is mandatory)**AP English Language and Composition****Grade 11**

Prerequisite: Completion of summer reading list; “**A**” average in previous honors course.

The curriculum for English Language and Composition provides the skills needed to successfully complete the AP Language and Composition exam. In this course students will:

- Compose persuasive and expository essays effectively and confidently.
- Engage in close/critical reading of prose and essays.
- Practice classical rhetorical strategies such as invention, arrangement, and style.
- Compare and contrast authors and the authors writing styles.
- Learn to think critically about the author’s intent and whether or not the author accomplished her/his goal.
- Identify logical fallacies by analyzing arguments.

AP English Literature and Composition**Grade 12**

Prerequisite: Completion of summer reading list; “**B**” average in previous AP course or “**A**” average in previous honors course.

The curriculum for English Language and Composition provides the skills needed to successfully complete the AP Language and Composition exam. In this course students will:

- Compose persuasive and expository essays effectively and confidently.
- Engage in close/critical reading of prose and essays.
- Practice classical rhetorical strategies such as invention, arrangement, and style.
- Compare and contrast authors and the authors writing styles.
- Learn to think critically about the author's intent and whether or not the author accomplished her/his goal.
- Identify logical fallacies by analyzing arguments.

ENGLISH ELECTIVES**Introduction to Journalism****Grades 9, 10, 11, 12**

Introduction to Journalism will expose students to the fields of print and broadcast journalism through hands-on experience with news writing. Students will learn how to interview and write for a variety of audiences as they practice constructing news articles, feature articles, editorials and sports pieces. Students will also learn how to analyze articles from local, state, and national newspapers as well as from news magazines for content and style.

Yearbook Design**Grades 9, 10, 11, 12**

Students in this year long course are responsible for the design and publication of the High School Yearbook. Students should have a background or interest in one of the following areas: photography, desktop publishing, art/design, or written language. Those enrolled must research the need and the market for this product. They must design a new or improved product that meets the need and review the success of this product. Students must produce quality work, work together in groups, must be able to handle deadline pressure, and should expect to spend additional time outside of the class working on the publication.

Principles of Public Speaking (Dual Enrollment)

Essential principles of sound public speaking are presented. Focus is directed toward developing the confidence and ability to formulate, organize, and present one's thoughts in an articulate, effective manner. Practical applications include informal discussions and formal speech presentations.

Drama**Grades 9, 10, 11, 12**

Introduces actors to the principles and techniques of creating believable characters through action, improvisation, analysis, movement, vocal control, audition workshop, scene study, and interpretation. Major contemporary playwrights used for scene study. No previous theater experience is necessary; however, CCS play participation is required.

Debate Fundamentals**Grades 9, 10, 11, 12**

When perspectives clash, the ability to resolve conflicts through sound reasoning and negotiation can make the difference between effective progress and problematic decisions. This course is designed to present students with the opportunity to debate controversial issues in a structured format while inculcating a central core competency: recognizing and relating to the values of an audience. Additionally, students will be introduced to important terms, concepts, and elements of debate including the parts of a case, common philosophies, and rebuttal strategies.

Debate: Formal Approaches**Grades 10, 11, 12**

Prerequisite: Debate Fundamentals

Following Debate Fundamentals, this course is meant to provide opportunities to achieve greater depth in argumentation and enjoy individual opportunities to debate. Students will participate in both Lincoln-Douglas and Public Forum debates, construct cases, and achieve significant familiarity on both sides of topics of importance. Tournament observation/participation requirements apply. This class is restricted to those who have taken Debate Fundamentals or who receive a teacher recommendation.

Logic and Argumentation**Grades 9, 10, 11, 12**

Every decision that we make is based on what we perceive to be the most compelling reason for doing so. Whether we act based on our own reasoning or on the authority of a source we find to be credible, we must still be confident in our ability to discern and defend the truth. Amid the sea of ideas and opinions that we face, it can be difficult to distinguish the degree to which a statement is true. In Logic and Argumentation, students will identify the relative strength of arguments, construct sound arguments, recognize and classify logical fallacies, produce effective written responses to topics of importance, and use logic to solve occasional riddles and mysteries.

COURSES AVAILABLE BY GRADE LEVEL
HISTORY and SOCIAL SCIENCE

Grade 9

CP World History
Honors World History

Grade 10

CP U.S. History 1
Honors U.S. History 1

Grade 11

CP U.S. History 2
Honors U.S. History 2
AP U.S. History*

Grade 12

CP American Government and Economics
Honors American Government and Economics
AP Government and Politics*
AP U.S. History*

Electives

Financial Literacy (Required for 10th grade)
Anthropology
Geography
Criminal Psychology
Forensics
Intro to Criminal Psychology

CP (College Prep)

AP (Advanced Placement)

*may require an additional fee

HISTORY and SOCIAL SCIENCE DEPARTMENT**CP World History****Grade 9**

(honors level also offered)

Honors placement based on teacher recommendation, 6, 7, 8 grade record and a writing test may be required.

This course starts in the ancient times of Mesopotamia and works its way to the contemporary time period. In it, students will learn how to analyze and critically think about politics, race, religion, and cultural differences. While studying, various non-biblical topics come up, but the course is designed to help students evaluate everything in light of a Biblical view. Lastly, students will learn various portions of Biblical History and Church History as they travel through many different time periods.

CP United States History 1**Grade 10**

(honors level also offered)

Honors prerequisite: At least a “**B**” average in World History honors course or an “**A**” average in World History course with teacher recommendation and department approval; previous writing samples will be evaluated as well.

This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from the assigned text and several online resources. Lessons help students organize their study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating time lines, completing projects and written assignments, and conducting independent research.

CP United States History 2**Grade 11**

(honors level also offered)

Prerequisite: U.S. History 1

Honors prerequisite: At least a “**B**” average in US History 1 honors course or an “**A**” average in US History 1 course with teacher recommendation and department approval; previous writing samples will be evaluated as well.

This course is a full-year survey that provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Readings are drawn from the assigned text and several online resources. Lessons help students organize study, explore topics in depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

CP American Government and Economics**Grade 12**

(honors level also offered)

Honors prerequisite: At least a “**B**” average in prior US History honors courses or an “**A**” average in prior US History courses with teacher recommendation and department approval; previous writing samples will be evaluated as well.

The word “government” comes from a Latin word which means, “to steer a ship.” Man’s fallen sinful nature makes some form of government essential if utter chaos misery and barbarism is to be avoided. God has ordained human government, which in simple terms is the authority to direct the affairs and control the actions of others. This authority comes from the Creator unto whom people and governments must give an account. The U.S. Government and its corresponding economic system, owing much to the Judeo-Christian influence and the Protestant reformation, has been the most successful in history. It is preferable if the student has had some U.S. history first. The goals of the course are to familiarize the student with the biblical basis for human government and a brief survey of the history and meaning of various types of government, our English and Biblical heritage of American Government and Law including the colonial

era, the history and principles involved in the writing of our Constitution and Bill of Rights, the structure and functioning of government as contained in the constitution, the origin and structure of state and local government, the workings of the principle economic systems, as well as the basic laws of economics, and the structure and dynamics of the U.S. economy.

AP COURSES (the AP College Board test is mandatory)**AP U.S. History****Grade 11**

Prerequisite: Honors U.S. History 1 and/or 2; at least a “**B**” average in honors history and honors English; teacher recommendation and department approval. A skills assessment may also be given to determine eligibility.

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American history. The program prepares students for intermediate and advanced college courses by making demands upon the equivalent to those of a full year introductory college course. At the conclusion of the class, students may take an exam to determine their qualification to receive college credit.

AP Government and Politics**Grade 12**

Prerequisite: Honors U.S. History 1 and 2; at least a “**B**” average in honors history and honors English; teacher recommendation and department approval. A skills assessment may also be given to determine eligibility.

The College Board prescribes a course aim “to provide the student with a learning experience equivalent to that obtained in most college introductory United States Government and Politics courses.” Students are expected to demonstrate knowledge of the constitutional underpinnings of American government, political beliefs and behaviors, political parties, interest groups, mass media, institutions of national government, public policy, civil rights, and civil liberties. In addition to analyzing foundational US documents, the course also explores the progression of landmark Supreme Court cases, the role of the executive branch, and modern policy debates. The course inculcates core economic terminology and explores the intersection between political decisions and their economic consequences through classic texts such as Adam Smith’s *The Wealth of Nations*, Frederic Bastiat’s *The Law*, and Henry Hazlitt’s *Economics in One Lesson*.

HISTORY ELECTIVES**Financial Literacy (required)****Grade 10**

This course uses *Foundations in Personal Finance* by Dave Ramsey. It will provide students with sound financial principles that will guide them into adulthood. The course also educates and entertains students as they learn to avoid the dangers of debt and how to build savings. This course fulfills the NJ Core Standard required for graduation.

Anthropology**Grades 9, 10, 11, 12**

Anthropology is the study of human beings and their social, environmental, and cultural relationships over time. In this course, students familiarize themselves with their own culture as they explore cultures from around the world and from different periods in history. Students examine each culture through the lens of family, land, death, identity, and power to explore the similarities and differences of cultural roles in various times and places.

Geography**Grades 9, 10, 11, 12**

This course introduces students to the countless ways in which geography influences human relationships, politics, society, economics, science, technology, and the arts. Special emphasis is placed on the way geographically derived information is expressed in maps, charts, and graphs in order to teach students how to analyze such documents carefully—and how to create them.

Criminal Psychology**Grades 9, 10, 11, 12**

Through this course, students are introduced to personality theories and learning styles in the context of criminal behavior theories. Discussions focus on historical and modern theories of criminal behavior, including behavioral, cognitive, developmental and biological doctrines.

Forensics**Grades 9, 10, 11, 12**

The course is an introduction to the application of scientific methods for the examination of physical evidence in the criminal justice system. After completing this course, students will be able to identify various types of physical evidence, know how evidence is collected and processed, and understand how forensic evidence helps to identify and prosecute defendants.

Intro to Criminal Psychology**Grades 9, 10, 11, 12**

Intro to Criminal Psychology will touch on the following areas:

The history of criminological sciences and their place in popular culture.

The roles of different types of professionals involved in evaluating a different aspect of crime.

The science surrounding criminal psychology.

Organized and disorganized Serial Killers.

COURSES AVAILABLE BY GRADE LEVEL

SCIENCE

Grade 9

CP Biology
Honors Biology

Grade 10

CP Physical Science
Honors Chemistry

Grade 11

CP Chemistry
Honors Chemistry
Honors Physics
AP Chemistry*
AP Biology*

Grade 12

Honors Anatomy & Physiology
Honors Physics
AP Chemistry*
AP Biology*

Electives

Ecology
Astronomy
Origins
Geology
Evolution verses Creation
Introduction to Anatomy & Physiology

CP (College Prep)

AP (Advanced Placement)

*may require additional fees- Alternate Years

SCIENCE DEPARTMENT**CP Biology****Grade 9**

(honors level also offered)

Honors prerequisite: Teacher recommendation and department approval. Honors math taken concurrently.

Biology is a course, which lays a foundation of understanding toward Botany, Human Anatomy and Physiology, and Zoology. The course content is designed to provide students with an overview of the biological sciences. The course requires strong memorization skills and good study habits. The course includes student and demonstration labs designed to familiarize students with laboratory techniques and safety. The course is designed to give students an understanding of the wonders of God's universe and an appreciation of God's creation around us.

CP Physical Science**Grade 10**

(honors level also offered)

Honors prerequisite: At least a "B" average in prior science honors courses or an "A" average in prior science courses with teacher recommendation and department approval; previous writing samples will be evaluated as well.

Physical Science is an overview of Meteorology, Oceanography, Geology, Chemistry, and Physics. Additionally, this course lays an important foundation of scientific understanding to prepare students for more advanced science courses and provides each student the opportunity to master the study skills and study habits necessary for success in those courses. Physical Science is designed for students who have matriculated through the standard 7th and 8th grade science curriculum. The course material is foundational for student success in more advance science courses.

CP Chemistry**Grades 10, 11**

(honors level also offered)

Prerequisites: Biology and Algebra 1

Honors prerequisite: At least a "B" average in prior science honors and math honors courses or an "A" average in prior science and math courses with teacher recommendation and department approval.

Chemistry is an introductory course which lays a foundation of understanding toward chemistry. The course content is designed to prepare students for entry-level college chemistry and includes analytical, physical, stoichiometric, organic, and nuclear chemistry. The course content is demanding. The course includes student and demonstration labs designed to familiarize students with laboratory techniques and safety.

Honors Physics**Grades 11, 12**

Pre-requisites: Physical Science, Chemistry, Algebra 2, Geometry

Honors prerequisite: At least a "B" average in Honors Chemistry, Honors Algebra 2, and Honors Geometry

Physics is a science that describes the entire physical world using only a few fundamental concepts. The goal of this course is to prepare students with above-average interest and ability in science for first year college physics. Through minds-on activities, hands-on experiments, and demonstrations in an interactive classroom, students will learn how to classify the wide variety of phenomena around us within the framework of the basic physical laws. Student will also connect these laws to everyday life. All course assignments, including home-assigned problems, readings and lab write-ups, are designed to develop expert problem-solving skills and reinforce the application of mathematics skills. Topics include measurement, kinematics, dynamics, energy, universal gravitation, mechanisms of the solar system, heat, light, electricity, basic electronics, and magnetism. Required study will include readings from the textbook, laboratory reports, and home assignments. Students will be responsible for completing independent research projects and will be expected to spend 45-60 minutes nightly on homework.

Honors Anatomy and Physiology

Grades 12

Prerequisites: At least a “**B**” average in Biology, and Science Department approval

Honors prerequisites: At least a “**B**” average in Honors Biology, and Science Department approval

Anatomy and Physiology is a course for students definitely planning on seeking a medically oriented or biology-related degree in post-secondary college work. The course content is extremely demanding. Only highly motivated students with strong memorization skills and good study habits should ask permission to take this course. Class size is limited.

AP COURSES (The AP College Board test is mandatory)

AP Chemistry

Grades 11, 12

Prerequisites: At least an “**A**” average in Honors Chemistry, Honors Algebra 2

Students who successfully complete this course should be well prepared to take the AP chemistry exam in May. This course will reinforce the chemical principles learned in college-prep chemistry such as the periodic table, chemical formulas and equations, stoichiometry, and chemical bonding. This course will also include new topics such as the hybrid theory, the molecular orbital theory, organic chemistry, chemical kinetics, chemical equilibrium, and thermochemistry. Students will conduct advanced labs, prepare lab reports, complete problem sets, take unit exams, and complete an individual research project.

AP Biology

Grades 11, 12

Prerequisites: At least an “**A**” average in Honors Biology

AP Biology is designed for students that have a strong interest in the sciences. Department approval is required before a student can be registered for this course. The AP Biology course is designed to offer students topics that are covered in a freshman Biology course at the university level. Students accepting the challenge of an Advanced Placement course will be required to actively participate in all lectures and laboratory activities that are conducted during the year. To succeed in AP Biology, students must be highly motivated to learn. Reading requirements for the course are rigorous and require a daily commitment in order to stay caught up in the class. Exams generally cover 3 - 4 chapters in the text and occur every 2-3 weeks depending on the content being covered and the number of labs that are conducted during the unit. Laboratory activities suggested by the College Board are conducted to give the student a fair representation of a university-level Biology course. In addition to the College Board laboratories, there are additional activities to aid in exploring the unit effectively.

SCIENCE ELECTIVES

Ecology

Grades 9, 10, 11, 12

This is a general science course designed to give students a comprehensive understanding of stewardship and responsibility to the world in which we live. Topics include erosion, pollution, industrialization, and conservation.

Astronomy

Grades 9, 10, 11, 12

This course studies the universe as the handiwork of God. Students will explore celestial entities through current observations and will understand the intricate balance necessary for life to exist on Earth. They will recognize the fallacy of the Big Bang Theory and be able to provide evidence from their studies for their faith in Christ.

Origins**Grades 9, 10, 11, 12**

This course will provide an engaging framework for a course exploring evolution, intelligent design, and biblical creation. Sources like *Unlocking the Mystery of Life*, *The Intelligent Design Movement: How Intelligent Is It?*, *Creation/Evolution: Does It Matter What We Believe?*, *The Origin of Life*, *Origin of the Species: Was Darwin Right?*, and *4 Power Questions to Ask an Evolutionist* will be covered.

Geology**Grades 9, 10, 11, 12**

This course will demonstrate how the geological record confirms the true history of the earth found in the Bible. The following topics will be covered: The Flood, Noah's Flood and the Earth's Age, Radioactive and Radiocarbon Dating, Radiohalos, and Grand Canyon.

Evolution verses Creation**Grades 9, 10, 11, 12**

What does Natural Selection really say about the origin of species? Through case by case claims of Darwin's Natural Selection process we will examine scientific evidences that refuted these claims and therefore, gain confident insightful knowledge as believers of the Truth. Corollary to biology, you will learn to understand the truth about the dinosaurs through their fossil records and the origin of life in stimulating discussion based classroom. But be aware that as a result of taking this class, that you might actually like science!

Intro to Anatomy and Physiology**Grades 9, 10, 11, 12**

Intro to Anatomy and Physiology investigates the inner workings of the structures and functions within the human body. The course delves into the body's organization as well as each of the major organ systems. The material in this course can be applied to a variety of career paths, including those within the healthcare field.

COURSES AVAILABLE BY GRADE LEVEL

MATHEMATICS

Grade 9

CP Algebra 1
Honors Geometry

Grade 10

CP Geometry
CP Algebra II
Honors Algebra II

Grade 11

Intermediate Algebra
CP Algebra II
Honors Pre-Calculus
Dual Enrollment Pre-Calculus (through MCC)*

Grade 12

DE Calculus (through MCC)*
CP Pre-Calculus
Honors Pre-Calculus
Honors Statistics
Dual Enrollment Statistics (through MCC)*
Dual Enrollment Pre-Calculus (through MCC)*

CP (College Prep)
MCC (Middlesex County College)
AP (Advanced Placement)
*may require additional fees

MATHEMATICS DEPARTMENT**CP Algebra I****Grade 9**

Algebra 1 emphasizes fundamental mathematical processes and the real number system as well as the algebraic. Students acquire proficiency in applying algebraic concepts and skills necessary for more advanced work in mathematics. Topics include the order of operations, equations, analyzing and graphing linear functions, factoring, inequalities, rational and irrational numbers, solving systems of linear equations, and analysis of problem solving.

Honors Geometry**Grade 9**

Prerequisites: Approval of Algebra 1 teacher; freshman who have had a full year of Algebra I in middle school must complete a placement test to qualify for this course.

Honors Geometry is distinguished from traditional geometry by the fusion of plane, solid, and coordinate geometry, and through advanced application theorems so that subject matter is unified and clarified. Topics include the nature of proof which involves geometric, algebraic, and non-mathematical situations, the study of basic geometric figures, loci, numerical trigonometry, areas, and volumes.

CP Geometry**Grades 10**

Prerequisites: Completion of full year Algebra I course

In this course students will gain a basic understanding of the methods of coordinate geometry. Topics include the nature of proof which involves geometric and algebraic and non-mathematical situations, the study of basic geometric figures, areas, volumes, inductive and deductive analysis, and transformations. Geometry is a prerequisite for the study of all advanced courses in mathematics and is required for admission to colleges.

Intermediate Algebra**Grade 11**

Students will be proficient in the application of algebraic concepts and skills that are required for future work in mathematics. They will review topics from Algebra 1 and be introduced to new topics including polynomials, solving quadratic equations and inequalities, functions and relations, and exponential and logarithmic functions.

CP Algebra 2**Grades 10, 11**

Prerequisites: Algebra 1 and Geometry; approval of math department. (*Students whose average in Algebra I was "C" or "D" should take a review course during the summer or be tutored by a certified math teacher during the summer prior to studying Algebra 2*).

Algebra 2 is designed to meet the needs of students preparing for entrance into college as well as for those intending to engage in semi-technical work. Topics include real number systems, polynomials, solution of quadratic equations and inequalities, relations and functions, conics, exponential and logarithmic equations, matrices and probability, and basic trigonometric functions.

Honors Algebra 2**Grade 10**

Prerequisites: At least a "B" average in Honors Algebra 1 and Honors Geometry; approval of math department.

This course is a continuous program for those students planning to pursue a mathematics and/or science major in college. Other students who are undecided about future plans, but who qualify for a demanding program, may apply. Topics include real number systems, polynomials, solution of quadratic equations and inequalities, relations and functions, conics, exponential and logarithmic equations, matrices and probability, and basic trigonometric functions.

Pre-Calculus**Grade 11, 12**

(dual-enrollment through Middlesex County College)

Prerequisites: At least a “**B**” average in Algebra 2; approval of math department.

This course is designed for students who wish to study mathematics and/or science in college. Such topics as a review of equations of lines and circles; real functions; derivatives and applications to graph sketching; logarithmic and exponential functions; an introduction to integration with applications to area under a curve; trigonometry; combination analysis; and probability will be covered.

Honors Pre-Calculus**Grade 11, 12**Prerequisites: At least a “**B**” average in Honors Algebra 2; approval of math department.

This course is designed for students who wish to study mathematics and/or science in college. Such topics as a review of equations of lines and circles; real functions; derivatives and applications to graph sketching; logarithmic and exponential functions; an introduction to integration with applications to area under a curve; trigonometry; combination analysis; and probability will be covered.

H Statistics**Grade 12**

(Dual Enrollment through MCC)

In this age of technology, people are constantly creating hypotheses, making predictions, testing, and analyzing information. This course prepares students to interact with information by teaching them methods of data collection, tabulation, analysis, and interpretation. Numbers and data are everywhere, and statistics is a way to convert numbers into useful information so that good decisions can be made.

DE Calculus**Grade 12**

(Dual Enrollment through MCC)

Prerequisites: At least an “**A**” average in Honors Algebra I, Honors Geometry, Honors Algebra 2 and Honors Pre-Calculus; approval of math department.

This course is designed to prepare the student for college mathematics at an advanced level. It is intended for students who have a thorough knowledge of college preparatory mathematics including algebra, axiomatic geometry, trigonometry and analytical geometry. The course includes elementary functions (algebraic, trigonometric, transcendental); limits; the derivative; applications of the derivative; anti-derivatives; applications of the anti-derivative techniques of integration; and the definite integral and its applications.

This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP® Exam and further studies in science, engineering, and mathematics.

COURSES AVAILABLE BY GRADE LEVEL
FOREIGN LANGUAGE

Grade 9

CP Spanish I

Grade 10

CP Spanish II

Honors Spanish II

Grade 11

CP Spanish III

Honors Spanish III

Grade 12

CP Spanish IV

Honors Spanish IV

Electives

American Sign Language (ASL) 1

CP (College Prep)

FOREIGN LANGUAGE DEPARTMENT**SPANISH****CP Spanish I****Grades 9**

This course is designed to provide an introduction to the language with an emphasis on developing speaking, listening, reading, and writing skills. Students will communicate using basic vocabulary and grammatical structures. They will learn about the customs and traditions of Spanish-speaking people.

CP Spanish II**Grades 10**

Prerequisite: Satisfactory completion of Spanish I

Students will continue to gain an understanding of the language through, oral practice, reading, and writing skills. They will learn about Hispanic cultures and people.

Honors Spanish II**Grades 10**

Prerequisite: At least a “**B**” average in Honors Spanish I; foreign language department approval.

This course continues the communicative development of the Spanish language at the intermediate/advanced level. Extensive vocabulary and grammar are mastered in order to advance.

CP Spanish III**Grades 11**

Prerequisite: Satisfactory completion of Spanish II

This course continues communicative proficiency at the intermediate/advanced level. Students learn to communicate about topics or situations they are likely to encounter. A focus on Hispanic culture and civilization accompanies this course.

Honors Spanish III**Grades 11**

Prerequisite: At least a “**B**” average in Honors Spanish II; foreign language department approval.

This course continues communicative proficiency at the advanced level. Development will be exercised through oral practice, reading, and writing skills. Students will encounter conversational topics relevant to society and the world. A focus on Spanish literature and Hispanic culture and civilization accompanies this course.

CP Spanish IV**Grade 12**

Prerequisite: Satisfactory completion of Spanish III

Students review concepts previously studied and refine those concepts with more in-depth listening, speaking, reading, and writing exercises. New grammar, vocabulary, and culture lessons will be incorporated into the classes. Students will expand their knowledge of Hispanic culture and civilizations.

Honors Spanish IV

Grade 12

Prerequisite: At least a “**B**” average in Honors Spanish III; foreign language department approval.

This course continues communicative proficiency at the advanced level. Development will be exercised through oral conversation, reading, and writing skills. Students will encounter conversational topics relevant to society and the world. A focus on Spanish literature and Hispanic culture and civilization accompanies this course.

FOREIGN LANGUAGE ELECTIVES

American Sign Language (ASL) I

Grades 9, 10, 11, 12

This course encompasses an American Sign Language curriculum suitable for high school and college courses. This curriculum is grounded in contemporary second language theories that balance grammar instruction and conversational skills with ample exercises to develop language proficiency.

COURSES AVAILABLE BY GRADE LEVEL

PHYSICAL EDUCATION and HEALTH

PHYSICAL EDUCATION

Grades 9-12

Physical Education credits are fulfilled outside of school. 2.5 hours per week of physical activity is required. Participation in two interscholastic athletics teams fulfills P.E. requirements. Students are required to submit forms requesting credit for Physical Education. The activities listed on the form must be approved by the Guidance Department. All forms must be turned in to the Guidance Office by appropriate dates to obtain credits.

HEALTH

Grade 9

Health and Wellness

Grade 10

Driver's Education

Grade 11

CPR/AED and First Aid

Grade 12

Christian Marriage and Family

Electives

Fitness

Strength Training

Dance

PHYSICAL EDUCATION and HEALTH DEPARTMENT**Physical Education****Grades 9-12**

Physical Education credits are fulfilled outside of school. Two hours per week of physical activity is required. Participation in interscholastic athletics fulfills P.E. requirements. Students are required to submit forms requesting credit for Physical Education. The activities listed on the form must be approved by the Guidance Department. All forms must be turned in to the Guidance Office by appropriate dates to obtain credits.

HEALTH**Health and Wellness (required)****Grade 9**

This health course provides information on health-related problems facing today's society. Topics include mental health, nutrition, tobacco, alcohol, drugs, family life, and infectious/non-infectious diseases. Students will learn to make healthy, informed decisions.

Driver's Education (required)**Grade 10**

This course is designed to produce safe, efficient and defensive drivers. Topics include physical/mental fitness, drugs, alcohol, traffic laws, driving environments, emergency situations, and defensive driving. The New Jersey State permit exam is administered in the classroom and results are accepted by the NJ MVC. At present, the New Jersey driver's manual is used.

First Aid/CPR/AED (required)**Grade 11**

Students learn the principles of First Aid and CPR with the automated external defibrillator (AED). Upon completion of course requirements, students have the option of paying for American Red Cross certification in adult and child CPR, AED and First Aid.

Christian Marriage and Family (required)**Grade 12**

The Christian Marriage and Family class covers such topics as College Preparedness, Singleness, Dating, Marriage, Stewardship, Communication, Parenting and Finishing Well. We use the Bible as our textbook and our point of reference. Other resources include books, articles, speakers and student presentations. An essential part of the course is the preparation and implementation of a lesson plan taught by the students relating to their topics. Students are responsible to articulate the lesson objective, essential questions and to integrate the following components: content, activities and assessments.

PHYSICAL EDUCATION and HEALTH ELECTIVES:**Fitness****Grades 9, 10, 11, 12**

Students will participate weekly in physical activities that develop the knowledge and skills needed to maintain healthy physically active lifestyles.

Strength Training

This class will provide students, as well as athletic individuals the chance to increase their flexibility, strength and endurance. This goal is reached with routine individual exercises that are specifically targeted to areas of the body; the core, legs, arms, and upper body.

Dance

The Dance/Movement class consists of students who enjoy structured dance moves, which are then choreographed into a routine to their favorite Christian music artists' songs. Students will then have a chance to show their choreographed skills to family and friends.

COURSES AVAILABLE BY GRADE LEVEL

TECHNOLOGY

Grades 9, 10, 11 and 12

Computer Science Technology

TECHNOLOGY DEPARTMENT**Computer Science Technology****Grade 9, 10, 11, 12**

Computer Science Technology is an entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the internet, big data, digital privacy, and the societal impacts of computing.

ELECTIVES

Music Electives

Vocal Ensemble
Music Appreciation
Worship Band
Beginning Guitar
Music Technology
Music Theory

Art Electives

AP Art History*
Drawing
Painting
Sculpture
Functional Design
Architecture 101
Architecture 102
3D Modeling
Film Study

Practical Arts Electives

Improvisation 101
Fundamentals of Coaching
Introduction to Applied Behavior Analysis
Intro to Culinary Arts
Drama
Psychology
Life Skills

Business Electives

Introduction to Accounting
Entrepreneurship
Introduction to Law

AP (Advanced Placement)

*may require additional fees

MUSIC ELECTIVES

Vocal Ensemble

Audition necessary. Classes focus on sight reading, theory, diction and repertoire.

Music Appreciation

This course introduces students to the history, theory, and genres of music. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. The first semester covers early musical forms, classical music, and American jazz. The second semester presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide.

Worship Band

Students in Worship Band will pick appropriate music from an approved repertoire for worship at chapel. They will practice and then perform at the chapel service. In addition, they will learn (from discussions sourced in shared documents) the following principles about being a Worship Leader: A faithful worship leader magnifies the greatness of God in Jesus Christ through the power of the Holy Spirit by skillfully combining God's Word with music, thereby motivating the gathered church to proclaim the gospel, to cherish God's presence, and to live for God's glory. God calls leaders to be faithful. (1 Cor. 4:1-2) Faithfulness to scripture should be apparent in the lyrics. We worship through the power of the Holy Spirit.

Beginning Guitar

This class is for those desiring to learn to play guitar using chords with praise and worship songs. Students will be taught how to read a chord chart, and how to play with strumming and picking patterns, walk-downs, scales, modulating and transposing keys. It is a blessing to learn to play guitar with the desire to worship and glorify God.

Music Technology

Students will learn that a digital audio workstation (DAW) is a software program used for composing, producing, recording, mixing and editing audio and MIDI. DAWs facilitate mixing of multiple sound sources on a time-based grid. Using chrome books is a must! Students will also learn how to use these workstations to import and export media files, edit and trim audio files, (copy and loop), adjust volume levels and organize projects within the DAW system along with copyright and "fair law". Projects will include, audio drama, short ads, video music and more. Prior music theory course is helpful but not mandatory. Let's create something together.

Music Theory

This course will cover the following: Basic rhythmic notation and their values determined by the meter signature, reading and writing notation on treble, bass, alto, and tenor clef, tempo and dynamic markings, scales and key signatures, harmonic writing and intervals score analysis, roman numeral chord progressions.

ART ELECTIVES***AP Art History (The AP College Board test is mandatory)***

This course is designed to prepare students for the AP Art History Exam. The course will be thematic, following different art movements from ancient to modern both western and non-western. The course will be split up into weekly units that include reading, homework, student activities, and a theme test. This course will go beyond memorization to a higher level of understanding. Students will learn the importance of cultural context such as religion, economics, political structure, function, and gender when studying different pieces of art. Students will gain skills in how to visually examine pieces of art to gain the most insight using speech and written analysis.

Drawing

Emphasis on basic and advanced drawing techniques using a variety of drawing materials.

Painting

Emphasis on color mixing, water color, acrylic, and painting methods.

Sculpture

Class will focus on additive, subtractive, and found sculpture techniques. Materials will include foam, wood, plaster, clay, found objects, carving tools. A field trip to learn pottery wheel and glazing will be incorporated.

Functional Design

This class focuses on creating art that also serves a second purpose and is useful. Projects include: batik fabric dye, lamp making from found objects, tile coasters, linocut and printed cards, glass magnets, field trip to glass blowing studio where students create their own drinking glass, and more. This is a great art class for students who don't feel like they are skilled in other art classes.

Architecture 101

This class will focus on a broad introduction to Architecture related careers, foundations, and the use of relevant tools.

Architecture 102

This class will build upon foundations on 101 and offer an opportunity to build models in scale.

3D Modeling

The 3D modeling course is an architectural modeling class focused on the basic fundamentals of scale and proportion applied to the building of physical, three dimensional models. Students will use various materials including bass wood, chip board and foam core. Specifically, for the 2019-2020 school year the class will interpret the biblical plans for the tabernacle.

Film Study

Film Study takes an inside look on the process of making a film, starting with a script and treatment to production and principal photography. Within the course we discuss the process of framing, lighting, sound design, special-effects and an actor's choice. By viewing Hollywood films the student gets a better understanding and a clearer insight of the industry and what it takes for a film to start as an idea then completed to be screened in theaters.

PRACTICAL ARTS ELECTIVES

Improvisation 101

Students will learn not only how to successfully play professional style improv games, but will also develop better communication, concentration, and quick thinking skills on and off the stage. The class will also teach creative thinking, public speaking, listening, eye contact, and teamwork, all while having a lot of fun!

Fundamentals of Coaching

The curriculum for elective “Fundamentals of Coaching” is derived from the National Federation of State High School Association. This course helps students to understand the role of a coach, as a teacher, manager, and administrator.

Introduction to Applied Behavior Analysis

Applied Behavior Analysis (ABA) is a systematic approach for influencing and changing behavior. It is based on the experimental analysis of behavior, which researches how behavior is learned and changes over time. In this course, students will learn how to define behavior, observe and collect data, graph results, identify reliably environmental variables, understand principles and techniques consistent with dimensions of ABA including positive/negative reinforcement/punishment, and develop their own behavior modification program.

Intro to Culinary Arts

Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for family gatherings, social functions, and lifelong traditions. In this course, students will learn all about food including nutrition, food safety, food culture and trends, terminology and measurements, knife skills, as well as how to prep, cook, bake, and plate recipes. Students will also learn how to prepare both savory and sweet dishes through hands-on activities and demonstrations.

Drama

This course is an introduction to Theater. Students will be introduced to acting basics, stage presence, and screen play readings. Optional involvement in a school production is encouraged.

Psychology

Grades 9, 10, 11, 12

In this introductory course, students explore why people think and act the way they do. Topics include key terms, the major concepts and theories of psychology, and ethical standards that govern psychological research. Students develop critical thinking skills to evaluate theories and current research, learn how psychological principles apply to their own lives, and build on reading, writing, and discussion skills.

Life Skills

This course is designed to increase student's awareness and skills for their success in daily life.

BUSINESS ELECTIVES

Introduction to Accounting

This course covers the fundamentals of financial accounting, including double-entry accounting and the accounting cycle. Other topics include cash, receivables, inventories, plant assets, liabilities, partnerships, corporation, investments, statement of cash flows and interpretation of financial statements.

Entrepreneurship

Students will learn about what an entrepreneur is, does, and how to launch your own business. Students will learn how to incorporate sound business principles with Godly characteristics.

Introduction to Law

Students in this course will be exposed to the basics of a career in the law field.

INTERNSHIP PROGRAM

Internships provide opportunities for students to gain experience in a field, determine if they have an interest in a particular career, create a network of contacts, and gain school credit. Our program is tailored to meet both the intern's calling and the ministry of the person for whom they will intern. Internships are open to all CCS high school students through an interview process. Placement is specialized and competitive. Students interested in this program should contact the Guidance Department for more information.

Requirements to be completed for Program Credit:

1. Complete 100 hours in program.
2. Create a resume including the internship.
3. Student Evaluation completed and Evaluation Form submitted by Supervisor.