



METROLINA

CHRISTIAN ACADEMY

HIGH SCHOOL CURRICULUM OVERVIEW

PORTRAIT OF A GRADUATE

At Metrolina Christian Academy, we are committed to our mission to “**lovingly lead and equip students for Kingdom living.**” In keeping with that mission, we seek to lead our students to personally own their faith and to not only possess but live out a biblical worldview. It is our belief that we should seek to develop a detailed portrait of what a graduate of Metrolina Christian Academy should look like.

The administration and staff of Metrolina Christian Academy have prayed, sought God, and planned meticulously in the development of this portrait. We have used Luke 2:52 as a guidepost for developing this plan. This verse of scripture describes the maturation of Jesus as a young man in four areas. The Bible says in this verse that Jesus grew in **wisdom, stature, favor with God, and favor with man.** We seek to follow this model in developing our students.

From this approach, we prayerfully commit to leading our graduates to be true Warriors for Christ who will possess:

Worldview that is Christ-centered and biblically based

Academic foundation that prepares them for God’s open door at the next stage of life

Redemption that is biblically based and personal

Responsibility that is guided by Scripture and encompasses the individual, culture, and evangelism

Integrity that influences all of life’s decisions

Ownership of the Faith that is personal and transformational

Readiness to engage culture, proclaim the Gospel, and live life to the Glory of God

BIBLE COURSE PHILOSOPHY

The Bible curriculum at MCA aligns and supports our Mission, Vision, and Purpose to lovingly lead and equip students for Kingdom living. This is accomplished as MCA graduates are equipped with a biblical worldview based upon established spiritual disciplines, sound academic thinking, and appropriate skill development. Articulation of a biblical worldview solidifies the truth; therefore, an immersion of speech and communication arts will be woven into the curriculum. The biblical worldview at MCA will be based on the principles and resources of:

- An intellectual defense for the truth.
- Biblically minded administrators, faculty, and staff.
- Applications and implications of truth.
- Biblical saturation in every discipline, classroom, extra-curricular, and school activity.
- The need for ethics and apologetics to address contemporary cultural issues.
- Chapel programs with experts in the field of evangelism, apologetics, biblical worldview, and discipleship.
- Spiritual retreats in grades 8, 9, and 12 which remove the students from daily responsibilities and distractions to provide intentional and intensive Bible study and corporate worship.
- Expository and persuasive speeches presented in Bible classes which are developmentally appropriate and measured according to a clearly defined rubric.
- Service opportunities through the MCA Project Serve program and missions trips where students apply the principles of truth through practical service and evangelism.

COURSE DESCRIPTIONS - BIBLE

The resources chosen to implement worldview and apologetics instruction are:

- Sixth graders will use *Running the Race* from *Positive Action for Christ*. This character development-focused curriculum also develops Christian practices to help develop disciples. Students will articulate their faith through quarterly speeches utilizing visual aids and a variety of presentation styles throughout middle school.
- Seventh grade will use *Route 66* from *Positive Action for Christ*. This curriculum provides a basic introduction to the structure and themes of the Word of God. As students' journey through this survey, they will discover the truths and applications that God has provided in each book of the Bible. The 7th-grade Bible course will be supplemented with leadership-focused modules to enhance their worldview.
- Eighth grade will begin the Summit Ministries apologetics and worldview curriculum program with the book, *Walking in Truth; Christianity in Action* which is centered around the application of biblical truth in a post-Christian culture. The worldview-centered standards for the Bible prepare students to defend the truth of Christianity and live out a Biblical worldview.
- The 9th grade Bible classes experience a survey of the Bible including the Old Testament history and prophecy, as well as the gospels and epistles of the New Testament. An immersion of apologetics and worldview instruction is woven throughout the lectures and discussions.
- The 10th-grade Bible classes experience a survey of Christian apologetics through theological and intellectual curriculum objectives. This course provides a foundational understanding of the Christian faith to build and develop a biblical worldview. *Understanding the Faith* from Summit Ministries will be used as the primary tool for this course.
- The 11th-grade Bible classes experience an in-depth study of worldviews through theological and intellectual curriculum objectives. This course provides a foundational understanding of identifying and counter opposing worldviews in defense and articulating a biblical worldview. *Understanding the Times* from Summit Ministries will be used as the primary tool for this course.
- The 12th grade Bible classes experience an outline of the key social issues of today in an effort to positively share culture. This course uses sound theological objectives to help students engage the culture with a biblical worldview. *Understanding the Culture* from Summit Ministries will be used as the primary tool for this course.
- 12th grade students have the opportunity to take *Introduction to Christian Religion: REL 1100* a dual enrollment course with Southeastern Baptist Theological Seminary taught on MCA's campus by Mr. Danny McDowell, approved adjunct instructor. REL 1100 is designed to introduce the students to the Christian religion. The course will focus on core beliefs, traditions, and practices of the Christian faith. Some consideration will also be given to how Christianity relates to other major religions.

HIGH SCHOOL COURSES & GRADUATION REQUIREMENTS

Grade Nine

English 9*
 Bible 9
 World History*
 Environmental Science*
 Math 1 or Math 2*
 Spanish I or Spanish II
 PE/Health/Band

Grade Ten

English 10*
 Bible 10
 American History*
 Biology*
 Math 2* or Math 3*
 Spanish II or Spanish III
 Elective

Grade Eleven

English 11*
 Bible 11
 Civics*
 Chemistry*/Physical Science
 Math 3*/Pre-Calculus*
 Spanish III* or Spanish IV *
 Electives

Grade Twelve

English 12
 English 12 College Brit Lit/ENG 111 & 112**
 Bible 12
 Anatomy and Physiology*/Physical Science/
 College Chemistry 151 & 152**
 Precalculus*/College MAT 171 & 263**
 Economics & Personal Finance*
 Electives

*Denotes honors classes available

Metrolina Christian Academy Graduation Requirements

<u>Courses</u>	<u>Units</u>
English*	4
Math*	4
Social Studies*	4
Science*	3
Health/Physical Education	1
Foreign Language	2
Electives**	7

Total Unit Requirements 25

Explanation of MCA Graduation Requirements

English: One unit required each year that includes American Literature and British Literature.

Math: One unit required each year that includes Math 1, 2, & 3, and a higher-level course.

Social Studies: The required units must include World History, American History, Civics, Econ/Personal Finance.

Science: Three units are required and must include Environmental Science, Biology and a choice between Physical Science, Chemistry, & Anatomy and Physiology. Four units are required for students on the college-prep track intending to enroll in a 4-year college or university.

Foreign Language: Both required foreign language units must be the same language.

Fine Arts/Technology: One unit is required in either Fine Arts or Technology.

Electives: MCA elective course descriptions can be found on page 16. *Students must take Bible each year they are enrolled at MCA.*

**Denotes courses eligible for college credit hours

HIGH SCHOOL INFORMATION

Metrolina's Grading Scale

A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

Passing mark is 60

GPA Scale

<i>Regular Courses</i>	<i>Honors/SPCC Courses</i>
A=4 points	A=5 points
B=3 points	B=4 points
C=2 points	C=3 points
D=1 point	D=2points
F=0 points	F=0 points

Upper School students will receive a report card each nine-week period. Grades are posted on the Family Portal weekly. Parents can check their child's grades at any time.

SPCC Program

South Piedmont Community College offers the College and Career Promise program to MCA juniors and seniors based on eligibility factors of GPA and standardized test scores.

This program is designed to allow MCA students to enroll in college transfer courses taught on the MCA campus as well as courses taught online. A qualified student may enroll in elective courses in the afternoon/evening with the chance to earn college credit.

MCA has several credentialed teachers who serve as adjunct faculty at SPCC. Students who successfully complete courses taught on campus receive college transfer credit granted by the community college for each course taken and one half high school honor credit. Elective courses delivered online through SPCC do not receive MCA credit, but students do accrue college credits. Tuition for SPCC courses is covered through the NC Career and College Promise Program, but students are required to purchase their own textbooks and materials for all classes. Courses offered for each school year vary based upon what South Piedmont Community College offers each semester.

Athletics

Academic Eligibility- In addition to the NCISAA policies, MCA has established these additional guidelines for eligibility:

- * All participants in athletics must maintain a 2.0 grade average with no failing grades in any class.
- * Students may become ineligible based upon their grades when progress reports are recorded and the end of the Quarter report card grade.

- * If a student becomes ineligible at the progress report time, he/she may be reinstated to the team after a 5-school day period if all grades meet the eligibility standard.

- * If a student becomes ineligible at the end of Quarter he/she may be reinstated to the team again after a 15 school day period if all grades meet the eligibility standard.

- * While ineligible an athlete may not attend practices or games.

Fine Arts

MCA offers a band program to interested students in grades 6-12. Band students perform in two concerts at the school each year and in several regional events and contests. We also offer two drama productions, one in the fall and one in the spring.

Clubs/Organizations

MCA Upper School seeks to offer a variety of clubs to enhance the talents of our students. The opportunities for involvement in MCA high school clubs/organizations include the following:

- * Chapel Technical Team
- * International Thespian Society
- * Prom Committee
- * Astronomy Club
- * Praise and Worship Team
- * Yearbook Staff
- * National Honor Society & Jr. National Honor Society
- * Student Government (MS & HS)
- * Literary Club
- * Warrior Servant Leadership/Interact Club

HIGH SCHOOL INFORMATION

Preparing for Higher Education

The goal of Metrolina Christian Academy is to equip students both spiritually and academically, with a focus on a variety of experiences to help prepare them for college, vocational training, or the workforce. Colleges and universities begin looking at a student's performance in ninth grade. College counselors tell us that they are looking for a well-rounded student, one who excels academically, yet is involved in a variety of extracurricular activities. Metrolina provides several activities designed to appeal to a variety of interests.

Leadership is another important quality that colleges consider. MCA makes several opportunities available for students to be involved in leadership such as Student Government, National Honor Society, and Warrior Servant Leadership. Other leadership opportunities are available through our clubs, sports, and mission activities.

Beginning in the ninth grade, it is important for students to begin keeping a list of their awards, accomplishments, honors, church activities, volunteer records, etc. Our guidance counselors will emphasize the importance of keeping a high school portfolio and will work through various classes to talk with students about their preparations. This will be especially helpful during the college application process. At Metrolina Christian Academy we utilize Naviance, a career and college planning software to facilitate students keeping track of academic, athletic, social, and leadership involvement.

Focus on Missions

High school Bible classes have required service project hours assigned to students each year. Metrolina provides several opportunities on campus and students can serve through their churches or other ministry organizations. These requirements help us to fulfill two of MCA's purposes: promoting the love of Jesus and teamwork with our parents and churches.

MCA provides an opportunity for high school students to travel to one of the most beautiful islands in the Caribbean on missions in Puerto Rico (PR) at the end of each school year. The mission trip is in partnership with Joshua Expeditions through the ACSI Great Commission project where MCA and an ACSI School in Puerto Rico spend each day working and serving the community. The ministry often includes local outreach, beautification, classroom experiences, children's outreach, sports clinics, feeding programs for children, VBS camps, and more. In addition to serving, students will experience the beautiful people and culture of the DR.

MCA Campus Ministry intentionally carries out the mission to provide Christ-like love to families in the community through Project Serve in which students through Bible class and clubs have opportunities to serve in various organizations such as Operation Christmas Child, H.E.L.P. Crisis Pregnancy Center, and Heart for Monroe.

COURSE DESCRIPTIONS- FOREIGN LANGUAGE

Spanish I

This course is an introduction to the study of Spanish through the four skills of listening, speaking, reading, and writing. English grammar and the Bible are integrated into the language learning process. Communication is taught and conducted primarily in the present tense. Students will develop an understanding of the need for evangelism in Spanish speaking countries through cultural research and scripture memorization. The use of technology for research, practice, and production is strongly emphasized throughout the course.

Resources: ¡Sígueme! Spanish 1 (J. Edenfield), Bible

Spanish II

This course is a continuation of Spanish 1 and includes activities to enhance the four skills of listening, speaking, reading, and writing. English grammar and the Bible are integrated into the language learning. Communication is conducted in the present and past tenses. Students will continue to investigate culture and memorize scripture for evangelism. The use of technology for research, practice, and production is strongly emphasized.

Resources: ¡Sígueme! Spanish 2 (J. Edenfield); Secondary Resource – Avancemos 2 (Holt McDougal), Spanish Bible

Spanish III Honors

This course is an advanced continuation in the study of Spanish. Complex grammatical structures are taught. This includes the future tense, conditional tense, and subjunctive mood. Students will further their studies of cultures and their ability to use Spanish for evangelism. The use of technology for research, practice, and production is strongly emphasized throughout the course.

Resources: ¡Sígueme! Spanish 3 (J. Edenfield); Secondary Resource – Avancemos 3 (Holt McDougal), Spanish Bible

Spanish IV Honors

Spanish 4 promotes both fluency and accuracy in language use. It does not over-emphasize grammatical structure at the expense of communication. In Spanish 4, students will use the modes of communication of listening, speaking, reading, and writing to communicate meaningfully, effectively, and creatively using the language for real-life functions in various settings such as the workplace and mission field. They will also memorize Spanish scripture and phrases to aid evangelism. Furthermore, they will investigate and compare cultures from different Spanish-speaking countries and understand how learning Spanish can increase appreciation and compassion for diverse cultures.

Resources: Avancemos 4 (2018 Holt McDougal), Spanish Bible

COURSE DESCRIPTIONS- HISTORY

American History

This course provides students an opportunity to look in depth at exploration, colonization, conflicts, and ideologies that shaped the nation in which we live. Along with the historical context and events covered, students will be challenged to develop a biblical worldview by studying beliefs and practices throughout America's past through modern-day current events.

Resources: *American History, Combined Edition 1492 – present* by Thomas Kidd; *Heritage Studies: United States History* (BJU Press).

Civics

This course covers the historical and Christian foundations of American government, the structure and function of federal and state government, the nature of the American political system, and the rights and responsibilities of American citizens. Students will examine and evaluate contemporary national and international issues and events in light of the Constitution and democratic principles.

Resources: *American History, Combined Edition 1492 – present* by Thomas Kidd

Economics and Personal Finance

This course provides students a foundational understanding of economic principles as well as sound financial practices from a biblical worldview. The precepts of stewardship, financial responsibility, and literacy will be incorporated.

Resources: *Heritage Studies: Economics* (BJU Press), Dave Ramsey Personal Finance Course

World History

This course covers topics of study including ancient Mesopotamia, Greece and Rome; Islamic, Asian, and African civilizations; medieval Europe, the Renaissance, the Reformation and the modern European world. Also included is an overview of the 20th century's significant events.

Resources: *Heritage Studies: World History* 5th edition 2019 (BJU Press)

COURSE DESCRIPTIONS- LITERATURE

English 9 – Introduction to Literature

Students will improve skills in literary analysis, criticism, and composition. Students will be exposed to a variety of texts from American and world literature in order to gain skills in analyzing, comparing, and examining fundamental literary concepts and themes. Students will prepare for higher educational opportunities through an introduction to the analysis of complex texts, an examination of major themes and motives of authors, and a continuous emphasis on developing skills in vocabulary and grammar.

Resources: *Implications of Literature: Explorer Level* (TextWord Press, 2000), *To Kill a Mockingbird – Honors only* (HarperCollins, 2006), *The Strange Case of Dr. Jekyll and Mr. Hyde* (Prestwick, 2005), *Animal Farm* (Signet Classics, 1996), *The Case for Faith* by Lee Strobel (Zondervan, 2014)

English 10 – Themes in Literature

Students will be exposed to an array of literature, extending from the ancient periods to the modern era. Students will examine the works of authors from around the globe in the context of culture, language, and common or unique social themes. Students will develop critical thinking skills through the analysis of literature, the examination of cultural influence on significant texts, the comprehension and application of research materials, and the connection of concepts, styles, and values from different places and eras. We will maintain a continuous emphasis on developing skills in research, composition, oral communication, vocabulary, and grammar.

Resources: *Implications of Literature:* (Textword Press, 2006), *The Sea of Monsters* (Disney-Hyperion, 2007), *Julius Caesar* (Prestwick, 2005), *The Odyssey – Honors Only* (Prestwick, 2006), *The Screwtape Letters* (HarperOne, 2015), *God’s Smuggler* by Brother Andrew (Chosen Books, 2015)

English 11 – American Literature

Students will study American literature through character analysis and the examination of plot, theme, and point of view. Students will articulate comprehension through writing, oral communication, and the Socratic method. Students will expand their understanding of biblical worldview through the exploration and analysis of the Christian founding of America. We will maintain a continuous emphasis on developing skills in research, vocabulary, and grammar.

Resources: *Implications of Literature: Pioneer Level* (Textword Press, 2000), *The Great Gatsby* (Scribner, 2004), *The Crucible* (Penguin, 1976), *Fahrenheit 451* (Simon and Schuster, 2013), *Common Sense* (Dover, 1997), *The Scarlet Letter* (Prestwick, 2005), *Narrative of the Life of Frederick Douglass* (Barnes and Noble, 2003)

COURSE DESCRIPTIONS- LITERATURE

English 12 – British Literature

Students will be exposed to a survey of literary genres through the Medieval, Elizabethan, Romantic, Victorian, and Modern Eras of British Literature to increase mastery of the culture, language, and themes of the time periods or concepts introduced. Students will develop critical thinking skills through the analysis of styles and themes, writing and editing, and a continuous emphasis on developing skills in research, vocabulary, and grammar.

Resources: *Implications of Literature: Trailblazer Level* (Textword Press, 2000), *Mere Christianity* (HarperOne, 2015), *The Tragical History of Doctor Faustus* (Prestwick, 2005), *Frankenstein* (Prestwick, 2005), *Pilgrim's Progress* (Aneko press, 2015), *Romeo and Juliet* (Prestwick, 2005), *A Modest Proposal* (Dover Thrift)

English 12 – Advanced College English

This course incorporates all required assignments for SPCC's ENG 111 and 112 classes, as well as the literature and composition requirements for Advanced College English at MCA. Students successfully completing this course will earn 6 hours of college credit from SPCC in addition to the Advanced College English credit on their MCA transcripts. ENG 111 and 112 are designed to develop the ability to produce clear writing in a variety of genres and formats using a recursive process. Emphasis includes inquiry, analysis, effective use of rhetorical strategies, thesis development, audience awareness, and revision. In adherence to MCA's standards for this course, students will also practice literary criticism through the analysis and imitation of complicated styles, the examination of underlying themes and contexts of classic texts, intensive research on group and individual topics, extensive writing and editing, and a continuous emphasis on developing skills in vocabulary and grammar.

Resources: *Students will be required to purchase books assigned by SPCC for ENG 111/112. All literature books will be provided by MCA which includes *Perrine's Literature: Structure, Sound, and Sense* (Cengage Learning, 10th Edition); *Macbeth* (Prestwick, 2005); *Beowulf* (Prestwick, 2005); *Frankenstein* (Prestwick, 2005); *Heart of Darkness* (Dover Thrift); *A Modest Proposal* (Dover Thrift)

COURSE DESCRIPTIONS- MATHEMATICS

Math 1

Math 1 is designed as an immersion of the fundamental components of Algebra 1 and Geometry integrated into one course. The course is designed with developmentally appropriate rigor in a scaffolding instructional program for students to explore and develop a comprehensive understanding of Algebra 1 and Geometry. The course supports a blended learning model with personal instruction coupled with virtual tools. Course content includes algebraic expressions, linear equations, systems of equations, exponential functions, statistics, tools of geometry, angles, and geometric figures.

Resources: McGraw-Hill Reveal Integrated Math 1 published 2020, McGraw-Hill Education and online resources through ConnectEd

Math 2

Math 2 is a continuation of the integrated math design specifically for the sustained development of topics and skills in the disciplines of algebra and geometry. The course is designed with developmentally appropriate rigor in a scaffolding instructional program for students to explore and develop a comprehensive understanding of algebra and geometry. The course supports a blended learning model with personal instruction coupled with virtual tools. Course content includes relations, functions, equations, inequalities, rational & irrational exponents, polynomials, probability, similarity, and components of the line, circle, quadrilateral & triangle including proofs and theorems related.

Resources: McGraw-Hill Reveal Integrated Math 2 published 2020, McGraw-Hill Education and online resources through ConnectEd

Math 3

The course includes a review and extension of many topics of Algebra I. It also includes complex numbers, quadratic equations, functions, logarithms, graphing quadratics, rational expressions, and linear equations. The honors course will introduce trigonometry, probability, statistics, and conics.

Resources: Glencoe Algebra 2, 2014, McGraw-Hill Education and online resources through ConnectEd, IXL

Pre-Calculus Honors

The course includes a thorough graphing calculator-based treatment of all types of functions (polynomial, rational, transcendental, trigonometric, logarithmic, and exponential) as well as matrices, conic sections, sequences and series, binomial expansion, and ACT/SAT/NCEMPT prep. An introduction to Calculus topics including the difference quotient, limits, and basic derivatives is also included.

Resources: Glencoe Pre-Calculus 2014, McGraw-Hill Education, and online resources through ConnectEd

COURSE DESCRIPTIONS- MATHEMATICS

Math 4

The course provides students with an in-depth study of modeling and applying functions using technology. The course integrates topics in algebra, trigonometry, and statistics in real-life applications. The goal is to train students to be educated consumers and apply these principles to a variety of situations. Students will be preparing for college level algebra or statistics.

Resources: Glencoe Advanced Mathematical Concepts Precalculus with Applications 2006 Edition (limited tools with this edition on the text), IXL, supplemental Algebra 2 material

SPCC MAT 171 Precalculus Algebra

This course is designed to develop topics fundamental to the study of Calculus. Emphasis is placed on solving equations and inequalities, solving systems of equations and inequalities, and analysis of functions (absolute value, radical, polynomial, rational, exponential, and logarithmic) in multiple representations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to algebra-related problems with and without technology. This course has been approved for transfer under the Comprehensive Articulation Agreement (CAA) as a general education course in Mathematics. This course has been approved for transfer under the Independent Comprehensive Articulation Agreement (ICAA) as a general education course in mathematics. This is a Universal General Education Transfer Component (UGETC) course.

Resources: MAT 171 – Uses online textbook “Pearson My Math Lab Learning”

SPCC MAT 263 Brief Calculus

This course is designed to introduce concepts of differentiation and integration and their applications to solving problems. Topics include graphing, differentiation, and integration with emphasis on applications drawn from business, economics, and biological and behavioral sciences. Upon completion, students should be able to demonstrate an understanding of the use of basic calculus and technology to solve problems and to analyze and communicate results. This course has been approved for transfer under the CAA as a general education course in Mathematics. This course has been approved for transfer under the ICAA as a general education course in mathematics. This is a Universal General Education Transfer Component (UGETC) course.

Resources: MAT 263 – Uses “Open Stax” Calculus Volume 1 textbook

COURSE DESCRIPTIONS- SCIENCE

Anatomy and Physiology Honors

An in-depth study of the major human body systems. A detailed analysis of structure and function help students to realize the role of each organ system and how they work together as a whole, as well as offering evidence of God's creative work in the human body. Diseases and disorders are also discussed with each system, with an eye toward the consequences of the fall of humans from God's original design of genetic perfection. Labs, demonstrations, and projects complete the curriculum for this class.

Resources: Marieb – Anatomy & Physiology wps.pearsoned.com <http://iteachbio.com/Anatomy-Physiology/anat-phys.html> Answers in Genesis (various)

Biology

Touching on such areas as botany, zoology, cell biology and genetics, Biology class seeks to strengthen the faith of the student through the recognition of God in the creation of all life and to equip them to critically examine the various interpretations of scientific observation through a biblical lens. Many hands-on labs are included throughout the year.

Resources: Glencoe Science McGraw Hill Publishing; Evolution Exposed Biology Roger Patterson Answers in Genesis

Chemistry Honors

This is a survey course that covers the fundamental principles that govern matter and the changes it undergoes. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, solutions, oxidation-reduction reactions, and nuclear and organic chemistry. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts. Students will develop a greater understanding and appreciation of God's creation, recognizing the orderly way in which He has used elemental building blocks of His design to form the components of the universe.

Resources: Glencoe (2008) Chemistry: Matter and Change Carolina.com TeachChemistry.org Answers in Genesis (various)

Environmental Science

A course which provides students with the scientific principles, concepts, and methodologies from a biblical perspective of creation.

Resources: Pearson – Environmental Science Textbook, Moche – Astronomy Text, LMS – iPad, General Lab Goods

COURSE DESCRIPTIONS- SCIENCE

Physical Science

In physical science, students acquire a fundamental knowledge of physics and chemistry. We study energy—its source, nature, and uses—and the substances in our world—their composition, properties, and interactions. Physical science includes inquiry-based instruction (scientific method), allowing students to engage in problem solving, decision making, critical thinking, and applied learning. Physical Science at Metrolina Christian Academy will emphasize God’s hand in all of creation, as presented in His Word.

Resources: Glencoe Physical Science

Advanced College Chemistry (CHM 151/152)

Extensive review of topics covered in Honors Chemistry, and further explores the subject at the college level. There are two courses worth four college credit hours each that cover the fundamental principles and laws of chemistry with an emphasis on the topics of measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement for collegiate natural sciences/mathematics. Students can opt to take the first course alone or Advanced College Chemistry I and II.

COURSE DESCRIPTIONS- ELECTIVES

FINE ARTS

Art I: This course consists of a broad view of several different art mediums along with some art history. Some of the mediums covered will be both acrylic and watercolor painting, pointillism, oil pastel, chalk, scratch art, clay, collage, sharpie, colored pencil, and charcoal. Year-long elective. One class for 10th grade, one class for 11 & 12.

Art II: This course continues with the basics learned in Art I. It is designed for those with a desire to learn more detail and works towards creating a creative portfolio. Semester course. Available for grades 11 & 12 only.

Art - Master Crafts: Students experience woodworking (which includes work on the wood lathe and wood burning), a slab constructed jar out of clay, and a stained-glass window along with a fused glass project. Students will also work with bead making and basic jewelry. Semester course for grades 11 & 12 only.

Art – Paper, Painting & Printmaking: This course covers three areas of art: paper- paper craft and collage, painting-watercolor and acrylic, printmaking- linocut prints. Semester course for grades 11 & 12 only.

Advanced Art: Course for students who are passionate about art and is self-directed in nature. This course requires a signature from the art instructor and must have had at least a full year of art as a prerequisite. Year-long course for grades 11 & 12 only.

Band: The daily objective of the course is to foster and promote musical growth through playing musical instruments. Year-long course.

Choir: This course is designed for students to apply musical skills as they continue to create and experience music as a musical ensemble. Semester course.

Digital Photography: This course will help the students become informed about the fundamentals of digital photography. Four areas of instruction will be emphasized: cameras, composition, lighting, and photo editing software will be the course focus. Semester course.

Media Production: This course explores and incorporates the students' ability to research, plan, film, and edit various types of videos. Students work collaboratively to relay school updates to students via a special newscast at lunch. Students learn basic video editing skills using video editing software. In the news media course, students will produce informational and opinion segments for the weekly newscast and other videos for special events such as chapel. Year-long course.

Theater Arts I (Drama): An introductory course covering the basic foundations of theater, improvisation, comedy, tragedy, theater history, scene work and more. Basic script writing and directing is also included. Theater Arts is available in more advanced courses as well (II, III and Advanced). Semester course.

Intro to Videography: This course explores and incorporates student's ability to research, plan, film, and edit various types of videos. Students learn to record various types of shots, use the green screen, edit in Wondershare Filmora9, frame shots effectively, tell a story in their videos, and much more. Semester course.

Yearbook is a course designed to teach the basics of desktop publishing to students in grades 10-12. This course provides the tools for such activities as layout design, picture editing, copy writing, interviewing, and other activities that lead to the production of an upper school and lower school yearbook. Students work both individually and as a team to ensure that deadlines are met. Year-long course.

COURSE DESCRIPTIONS- ELECTIVES

TECHNOLOGY

Computer: Introduction to Computer Programming/Coding: This course is intended for anyone new to software development and wants, or needs, to understand programming fundamentals and object-oriented programming concepts. This course is designed so you learn the coding basics of HTML and CSS and how to structure and style a webpage. Semester course delivered online.

Computer: Advanced Computer Programming/Coding: Continuation of introductory course. Must take above pre-requisite. Semester course delivered online.

Computer: Microsoft Office Suite (MOS) Certification: Students work throughout the semester to gain a globally recognized certification as a Microsoft Office Specialist in Word. In this course students will follow a curriculum created by Microsoft and Certiport to help them successfully pass the certification test. Semester course delivered online.

PHYSICAL EDUCATION

Physical Conditioning: This course helps the student understand the importance of taking care of the physical body that God has given us. Students are required to participate in cardiovascular activities and weightlifting activities every day that they are in class. Guys only. Semester or year-long course.

Ladies Physical Fitness/Modern Fitness: This course promotes and encourages high levels of health and wellness in the students. This course emphasizes increased levels of fitness through the five components of fitness - cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition. The course provides skills and knowledge of life-long fitness activities to improve student proficiency in many areas of physical fitness. Ladies only. Semester course.

GENERAL INTEREST

Criminal Justice: A survey course designed to familiarize students with the functions, structure, and organization of the agencies responsible for administering justice. Specifically, the course introduces students to the institutions and processes of law-making and enforcement, the judicial system, corrections, and the juvenile justice system. Semester course.

Organizational Leadership: Designed to teach and encourage a Biblically-based worldview and understanding of organizational leadership. Students learn the qualities of a good Christian leader and apply them to various problem and project-based learning modules. Semester course.

SAT/ACT Prep class: Students will learn test-taking strategies, review English, math, and science content, take practice tests and discover ways to reduce test anxiety. Self-paced class using ePrep software. Semester courses for grades 11 & 12 only delivered online.

Sports Management: This introductory course emphasizes basic management principles as they relate to the business of sports. Students are introduced to sports marketing, sports law, sports supervision, sports media, sports ethics, recreational sports management and other related areas. There is an emphasis on developing and improving communication skills. Semester course.

NOTES
