



Program of Studies

2020 - 2021

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HISTORY AND POLICIES

HISTORY

Carroll High School was founded in 1961. It is named after Archbishop John Carroll, the first resident bishop in the United States. It is a four-year, coeducational, Catholic high school serving Dayton and its suburbs, including Beavercreek, Bellbrook, Centerville, Fairborn, Huber Heights, Kettering, Riverside, Xenia, Vandalia, Yellow Springs, and Wright-Patterson Air Force Base. Carroll High School is accredited by the Department of Education, State of Ohio and the Ohio Catholic Schools Accreditation Association.

SCHOOL YEAR

The 180-day school year is divided into two semesters of seven period days. Each semester is divided into two 9-week quarters. Credit is earned based on the semester grade. The semester grade is determined by adding 40% of the quarter one grade, 40% of the quarter two grade, and 20% of the final exam grade. Carroll High School is a traditional four-year high school. **Carroll High School does not offer early graduation.**

GRADUATION REQUIREMENTS

Course Requirements for Class of 2021 and beyond:

To graduate from Carroll High School, students must successfully complete a minimum of 23 course credits.

These credits must include:

Religion	½ credit each semester at Carroll High School
English	4 credits
Mathematics	4 credits ¹
Social Studies	3 credits ²
Science	3 credits ³
Health	½ credit ⁴
Physical Education	½ credit ⁴
Computer Science	½ credit ⁴
Fine Arts	1 credit
Financial Literacy	½ credit ⁵

¹ *Mathematics credits must include one credit of Algebra II or the equivalent of Algebra II*

² *Social Studies credits must include ½ credit in World History, ½ US History and ½ credit of Government*

³ *Science credits must include one credit of Physical Sciences, one credit of Life Sciences, and one credit of advanced study*

⁴ *Recommended to be completed by the end of Junior year*

⁵ *The Financial Literacy requirement can be met by taking one of the following courses: Personal Finance, Honors Personal Finance, Independent Living, Economics, or AP Macroeconomics*

Supplemental Requirements for Classes of 2021 and 2022

Students must take End-Of-Course Exams (EOCE) in Algebra I, Geometry, Biology, American History, American Government, English I, and English II. Students studying Advance Placement in Biology, American History, or American Government may take assessments aligned to those courses in lieu of end-of-course exams to avoid double testing. Students must meet one of the following two:

- Earn a cumulative passing score on seven EOCEs. Each EOCE is scored 1 to 5. Students must earn a total of 18 points from all seven tests with at least 4 in English, 4 in Math, and 6 in Science and Social Studies combined.
- Earn a “remediation-free” score on a nationally recognized college admission exam, such as ACT or SAT. The state of Ohio will pay for all 11th grade students to take the exam one time free of charge.

Supplemental Requirements for Class of 2023 and beyond

- Students must earn a passing score on the Ohio high school Algebra I and English II tests. Students who do not pass the test will be offered additional support, and must retake the test at least once. If unable to pass the test, the following options could replace this requirement: enlist in the military or complete college course work in math or English.
- Students must earn at least two of the following seals with one being defined as an Ohio seal:
 - College-Ready Seal (Ohio) – earn a remediation free score on ACT or SAT
 - Military Enlistment Seal (Ohio)

- c. Citizenship Seal (Ohio) – earn a score of proficient or higher on both the US History and Government EOCE
- d. Science Seal (Ohio) – earn a score of proficient or higher on the Biology EOCE
- e. Honors Diploma Seal (Ohio) – see Ohio’s Academic Honors Diploma on page 4
- f. Seal of Biliteracy (Ohio) – meet the requirements and criteria, including proficiency requirements on assessments in a World Language and English
- g. Technology Seal (Ohio) – complete one of the following course sequences:
 - i. Applied Technology I and Applied Technology II
 - ii. Google/Computer Science and Engineering Topics/Programming/AP Computer Science
 - iii. Woods I and Woods II
- h. Community Service Seal (Local) – complete 160 hours of community service documented in Carroll’s community service tracking system over your four years in high school by May of senior year
- i. Student Engagement Seal (Local) – participate in 4 activities (athletics or clubs) over your four years in high school with meaningful participation (participating in a sport or club for all 4 years would count as 4 activities)

GRADING SCALE

Letter Grade	Percentage Grading Scale	Unweighted Quality Points	Weighted Quality Points
A	90 – 100	4.0	5.0
B	80 – 89	3.0	4.0
C	70 – 79	2.0	3.0
D	65 – 69	1.0	2.0
F	0 – 64	0.0	0.0
I	Incomplete	0.0	0.0
P	Passing	N/A	N/A

CLASS RANK

In fairness to all of our students, Carroll High School chooses not to rank students. As a norm, rank will not be reported to colleges. Many of our students have been unfairly penalized for attending a highly competitive high school. Factors in generating the estimate are grades, the degree of difficulty of the course, and the credit value of the course. Two GPA’s are reported to colleges. A GPA based upon a 4.0 maximum and a weighted GPA that awards an extra point for Honors and Advanced Placement courses.

INDIVIDUAL/SMALL GROUP INSTRUCTION

Individual/small group instruction provides academic support to students on an Individual Education Plan (IEP). Students are taught the strategies needed to become independent, successful learners by using remediation techniques adapted to their perceptual strengths and weaknesses. A formal evaluation is required to substantiate eligibility for this credited course.

COURSE LEVELS

The Carroll High School curriculum offers courses on six levels of difficulty:

- College Prep (CP) and Scholarship (CP) courses are designed to increase motivation and competence in course work. Ability-level materials are chosen to stress interpretation and transfer of understandings.
- Accelerated (AC) courses are courses requiring a higher level of competency than college prep. The application of acquired knowledge is a focus at this level.
- Honors (H) courses require students to work at a more sophisticated level and to demonstrate a high degree of self-motivation. Course materials and activities demand a high level of comprehension, as well as proficiency in writing and other basic skills. Grades earned in Honors courses are weighted and become part of a student’s weighted grade point average.
- Advanced Placement (AP) and College Credit Plus (DC AP) courses are equal in difficulty to those of college freshmen. The course designs assume that students have highly developed skills, as well as maturity in thought and purpose. They are intended to focus on depth and quality rather than breadth and quantity of work. Advanced Placement examinations can be taken to acquire college credit. Grades earned in Advanced Placement and College Credit Plus courses are weighted and become part of a student’s weighted grade point average.

ADVANCED PLACEMENT COURSES

Advanced Placement (AP) courses offer students the opportunity to take college-level studies. Upon completion of an AP course, students may take the nationally administered examination in May. According to their performance on the examination, students may receive college credit hours for each examination. At this time, AP courses are offered in the following areas at Carroll High School:

Biology	English Lit/Composition	Macroeconomics	Statistics
Calculus AB	French Language & Culture	Music Theory	Studio Art 2-D Design
Chemistry	Government	Physics	Studio Art Drawing
Computer Sci. Principles	Human Geography	Psychology	U.S. History
English Lang/Composition	Latin	Spanish Language & Culture	


Parents should recognize the challenging nature of these college level courses and provide support and direction for the student. Taking an AP course does not guarantee that a student will receive a passing grade on the College Board AP exam. The College Board charges a fee for each AP exam taken by a student.

COLLEGE CREDIT PLUS

Eligible students can take courses and earn high school and college credit that appears on both their high school and college transcripts. All courses offered through College Credit Plus—even courses offered in the high school—will be the same course that the college offers. College credit is fully transferable to other public Ohio schools and credit transferability is at the discretion of private and out of state schools. Seniors can take courses off Carroll’s campus with the following guidelines:

- Seniors receive no reduction in Carroll tuition when taking CCP courses.
- Seniors cannot take a CCP class to replace a course offered by Carroll (CCP or otherwise) unless there is prior administrative approval.
- Seniors must attend at least three classes a day and must be here for Family Time. Students could be off campus before or after Family (for example, excused from periods 1 through 3 or periods 4 through 7).
- Seniors must complete all graduation requirements with classes offered at Carroll.

Carroll High School has been fortunate to partner with Sinclair Community College. The course listed below is currently offered at Carroll High School. The course description is marked with Sinclair College’s icon. Note: There may be an additional fee for enrollment, at the discretion of Sinclair College.

Honors Composition/Literature	ENG 1101/LIT 2220	6 semester hours	Sinclair College	
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STEM CLASSES

STEM Education is both the mastery and integration of Science, Technology, Engineering, and Mathematics. It incorporates scientific inquiry and technological design through student-focused, project-based curricula to develop skills of communication, teamwork/collaboration, creativity/innovation, critical thinking, and problem solving. All of Carroll’s Science courses incorporate aspects of this philosophy but courses that have a specific STEM designation are listed and marked with the following icon:



Mathematics Courses

- AP Calculus AB
- AP Statistics
- Engineering & Robotics Topics
- Honors Engineering & Robotics Topics

Science Courses

- AP Biology
- AP Chemistry
- AP Physics I
- Microbiology
- Honors Physics II

Industrial Technology

- Applied Technology I
- Applied Technology II

Computer Science

- Programming Basics
- Alice & Java Programming
- AP Computer Science Principles

EDUCATIONAL OPTIONS


- Credits from accredited summer school programs are accepted both for courses failed and additional courses. With administrative approval, courses taken outside of Carroll High School are applied to graduation credits but do not count in GPA.
- If a student is in academic difficulty (in danger of not graduating in four years due to multiple failures) the student may be given permission to take a correspondence course through an outside accredited program approved by the Guidance Department.

OHIO'S ACADEMIC HONORS DIPLOMA

To earn an Ohio Diploma with Honors, a student must meet at least seven of the following eight criteria:

1. Earn four units of English
2. Earn four units of Mathematics which shall include Algebra I, Geometry, Algebra II and another higher-level course
3. Earn four units of Science including two units of advanced Science
4. Earn four units of Social Studies
5. Earn three units of World Languages (three units of one World Language or two units of two different languages)
6. Earn one unit of Fine Arts
7. Maintain an overall unweighted high school grade point average of at least 3.5
8. Obtain a composite score of 27 on the ACT (excluding the optional writing test) or a combined score of 1280 on the SAT verbal and mathematics sections (excluding the required writing section)

NCAA ELIGIBLE CLASSES

If you wish to participate in NCAA Division I or II athletics, you need to be certified by the NCAA Eligibility Center. A student becomes certified by acquiring credits in the core subject areas and earning a qualifying ACT/SAT score. Only certain courses count towards that certification. Please see your counselor for complete details. These courses are marked with the following icon: 

SCHEDULING

The master schedule is based upon students' initial course selections. As a result, schedule change options are very limited and often not available. **All preference changes made after May 1 will require a fee of \$100.00. During the school year, all schedule requests must be submitted to the Guidance Office during the first 5 days of each semester.** Only with teacher consultation and the concurrence of the Guidance Department may a student change the level of a class during the first 9 weeks of the 1st semester and the first 9 weeks of the 2nd semester if space is available in the next level. Level changes will not incur a fee. After the first five days of each semester, a student wishing to drop a course must:

- Obtain permission from the administration
- Receive an F for the course unless there are serious extenuating circumstances which have been approved by administration

STUDY HALL

- Students do not earn a grade or credit for a Study Hall.
- Only with administrative approval may a student take more than one Study Hall per semester.

RELIGIOUS STUDIES

Religion is the **heart** of Carroll High School's educational program. Courses in the Religion curriculum are designed to give the student a strong foundation in Catholic Faith. Eight semester courses, freshman through senior year, expose the student to the roots of our Catholic Faith, its origins and development, and its relevance and application to contemporary living and faith issues. Elective courses invite the student to Christian service or to the study of other major world religions.

INTRODUCTION TO CATHOLICISM

Grade 9

Level CP

1 semester

½ credit

Prerequisite: Must be non-Catholic and in a Catholic school for the first time. This course replaces Introduction to Scripture.

This course is designed specifically for non-Catholic students coming to a Catholic school for the first time. Introduction to Catholicism will help new students to better understand the basics of Catholicism, its rituals, sacred texts, beliefs, and morals. A significant segment of this course will be spent learning the sacred stories of the Old and New Testaments and introducing the Catholic approach to scripture. Moving at a slower pace than other religion classes, this course is designed to help students to more seamlessly adapt to life in a Catholic school.

INTRODUCTION TO SCRIPTURE

Grade 9 Level CP 1 semester ½ credit

Prerequisite: None

The purpose of this course is to give students a general knowledge and appreciation of Sacred Scripture. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. Students will learn about the Bible, how it was formed, and how to read it. Students will be introduced to important stories in Salvation History, from Abraham through the prophets, and how these stories point to the coming of our savior, Jesus Christ, as proclaimed in the gospel accounts. While much of the content of this course will be from the Old Testament, this material will be examined through the prism of the life, teachings, death and resurrection of Jesus Christ, as revealed in the Gospels.

FOUNDATIONS OF DISCIPLESHIP

Grade 9 Level CP 1 semester ½ credit

Prerequisite: None

This course introduces students to the Mystery of Jesus Christ, the living Word of God, and the ultimate Revelation to us from God. Students will learn that from the first moment of creation, God has planned for us to share eternal happiness with Him, which is accomplished through the Redemption of Jesus Christ. Students will learn what Jesus taught, what it means to be a disciple of Christ, and what life as a disciple entails. The main focus of this course will be the four gospels and the writings of the early disciples, with an emphasis on the ways that each of us is uniquely called by our baptism to follow Jesus.

THE CHURCH AND SACRAMENTS (Jesus' Mission Continues in the Church)

Grade 10 Level CP 1 semester ½ credit

Prerequisite: None

In this course, students will examine the origin and foundation of the Catholic Church. Students will dig deeper into the marks of the Church (one, holy, Catholic, apostolic) and reflect on the role of the Church in the modern world as both the Body of Christ, and the People of God. Students will leave with a better understanding of the teaching office of the Church and how the Church's leadership and sacramental life, through the guidance of the Holy Spirit, leads us to divine truth and invites us to a deeper faith and prayer, life as a disciple of Jesus Christ. Students will be able to identify the scriptural basis for each of the sacraments and recognize the ways that each of the sacraments can be beneficial to those who are trying to more closely follow Jesus. Most importantly, students will learn that being part of the Church is an essential part of growing as a disciple of Jesus Christ.

CHRISTIAN MORALITY (Our Life in Christ)

Grade 10 Level CP 1 semester ½ credit

Prerequisite: None

This course provides a theological, philosophical, and scriptural framework for living a life as a disciple of Jesus Christ in the modern world. Students will grow in understanding of the foundational principles of morality that stem from Natural Law, Scripture, and Sacred Tradition and apply these principles to modern moral problems. Students will grow in self-understanding of the ways that they, personally, make moral decisions and be challenged to think through moral problems logically and prayerfully. Participants will learn about the importance of properly forming one's conscience in light of Catholic moral teachings.

PEACE AND JUSTICE (Living as a Disciple of Christ in Society)

Grade 11 Level CP 1 semester ½ credit

Prerequisite: None

In this course, students will explore the rich tradition within the Catholic Church for bringing the gospel into the societies in which we live. Drawing upon the wisdom of the prophets of the Old Testament, the example of Jesus in the gospels, and a long history of social encyclicals and church documents, students will be challenged to find ways to live as disciples in the modern world. Students will learn the difference between personal sin and social sin, and the many social implications of the Ten Commandments and the Beatitudes. Students will explore a wide variety of social issues and will learn and apply the seven principles of Catholic Social Teaching to each. Five hours of service is part of the course's requirement.

CHURCH HISTORY

Grade 11 Level CP 1 semester ½ credit

Prerequisite: None

The primary focus of this course is the study of the Church and Salvation History as it has developed from apostolic times to the present. Students will study each era of Church history critically – exploring both the challenges and blessings the Church encountered in each era. Participants will be challenged to view Church History through the lens of the Gospel of Jesus Christ and the Church’s identity and mission, and will leave with a better appreciation for some of the great thinkers, prophets, martyrs, teachers, and saints who have guided and inspired the Church and the world throughout the ages. Through this study, students will acquire a clearer historical perspective on and appreciation for the Catholic Church that has emerged since Vatican II.

VOCATIONS: RESPONDING TO GOD’S CALL

Grade 12 Level CP 1 semester ½ credit

Prerequisite: None

Grounded in Gospel teachings, the meaning of Christian love underlies this entire course. Through reading, class discussion and special assignments, students will be guided to a clearer understanding of themselves and of those with whom they relate. Students will strengthen skills which identify and deal with factors that affect their relationships with family, friends, and associates. This course focuses on Christian living in the contemporary world. It helps students to better their relationships as single, religious or married persons. Since it is in the family that we first define our identity and our relationships to others, the importance of family life within the Christian context will be stressed.

CHRISTIAN LEADERSHIP AND VOCATIONS

Grade 12 Level CP 1 semester ½ credit

Prerequisite: Application Process

The goal of this course will be to empower our students for Christian leadership in a challenging world. Drawing on the example and words of Christ, inspirational leaders in Church History, and significant Church documents, students will be challenged to discover and live out their baptismal call to holiness and service. The course will be divided into two distinct sections. The first on discovering the importance of leadership through following our Vocational calling to our state of life (Marriage, Holy Orders, Single Life), and the second with an eye toward learning Christian leadership principles that will carry into current and future career choices. Students will learn and implement practical leadership skills through planning service projects and through mentoring, peer ministry training, speaking and listening skills, and conflict resolution. Students will discover various leadership styles and models, and, through course activities and discussions, identify their own gifts, strengths, and personal leadership style. Students will investigate the theological foundations, practical challenges, and best practices for leading people to a deeper relationship with Jesus Christ in hopes that our students may be effective leaders of the New Evangelization in our increasingly secular culture.

SENIOR ELECTIVES

WORLD RELIGIONS

Grade 12 Level CP 1 semester

Prerequisite: None

The World Religions course surveys the major religious traditions active in the world today. It attempts to promote compassion and community with all people in the spirit of the teachings of Vatican II, which encourages dialogue and understanding between Catholics and other people of faith. This course will examine sacred space, time, writings, beliefs and practices, history and other important elements of each of the world’s major religions. Each religion's characteristics and beliefs will be analyzed through the lens of Catholicism and the person of Jesus Christ.

NCAA
½ credit

PRAYER AND SPIRITUALITY

Grade 12 Level CP 1 semester ½ credit

Prerequisite: None

This course will examine how prayer has been understood and practiced throughout two thousand years of Catholic Christianity. Prayer will be studied as an essential means to growth in self-knowledge, one’s relationship to God, and strengthening believers to bring Gospel-centered values into our world as disciple of Christ. The course will include a variety of prayer experiences incorporating (but not limited to) different ways to pray – such as music and prayer, meditative prayer, and silent prayer. While prayer experiences of other major world religions might be examined, all prayer experiences will be rooted in Jesus Christ. There will be an emphasis in the hope, wisdom, and guidance Christ gives to us in a world in crisis.

FAITH-IN-ACTION

Grade 12 Level CP Summer ½ credit

Prerequisite: None

It is our hope that study and reflection on the Faith bears fruit in faithful deeds. This course provides a structured opportunity for students to act upon their Christian faith. Forty hours of service in one community service setting is required. Periodic class meetings, conducted outside of the school day, are scheduled and must be attended. These class meetings help the student by giving direction, allowing for reflection, and giving support. The course includes academic assignments in addition to the required hours of service. If a student has not returned a contract and begun service hours by midterm, the student will be required to withdraw. *There is a course fee for this summer program.*

JUSTICE AND SERVICE WORK CAMP

Grade 12 Level CP Summer ½ credit

Prerequisite: Department Approval

The Justice and Service Work Camp attempts to integrate what students have learned in their Peace and Justice class with a real-world service-learning experience. In this six-day program students perform between 30-40 hours of service and reflect on that experience in light of scripture and Church teachings. Students are engaged in discussions on justice issues, prayer, journaling, and simulation activities on contemporary issues. Space in the Work Camp is limited. The program is traditionally held in Dayton. Students involved in this program must be able to meet numerous academic requirements, including assigned reading, written assignments, and a theological reflection paper. Students must apply for and be accepted into this program. Teacher recommendations, discipline history, attendance history, and the application itself are all used to determine acceptance in the program. Details about the Work Camp will be available in February. *There is a course fee for this summer program.*

JUNIOR RETREAT

So that students may have a special opportunity for spiritual growth, and to show how such growth merits an investment of time and treasure, Carroll High School requires an overnight retreat of all juniors. Within the framework of Christian faith and worship, retreat activities focus on self-appraisal, openness to others, and community building within the junior class. Retreats are scheduled throughout the year. Students leave Carroll High School by bus on Sunday afternoon and return on Monday afternoon. Details of time, place, and other important specifics are published in a letter to the parents before the time of the actual retreats.

SENIOR RETREAT

Seniors are **invited** and **encouraged** to attend a PATS retreat during their final year at Carroll High School. PATS (**P**raying and **T**hinking **S**piritually) is a two-night retreat, led by a team of Carroll High School seniors and adults. The PATS retreat focuses on in-depth experiences through prayer, small group time, and student talks. The purpose of the retreat is to help the individual senior develop a resilient spirituality suited to the challenges of adulthood. Students who transfer into Carroll High School after their junior year are strongly encouraged to make the senior retreat. The cost of the PATS Retreat is \$165.00.

BUSINESS

The Business Department offers a wide variety of elective courses that benefit students from both collegiate and personal standpoints. Since the business world is constantly changing, courses are designed to keep students aware of recent developments. Using current technology and timely resources, students will learn practical, job-related skills they can put to work immediately and continue to use throughout their lives. The courses are open to all students, not just those who plan business as a career. Any student considering business as a college major is encouraged to take Introduction to Business and Business Concepts. **However, all students are encouraged to take Personal Finance or Honors Personal Finance.**

INTRODUCTION TO ACCOUNTING

Grade 11 or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course is designed to provide a basic background of business terms, procedures, and financial statements in all three types of businesses. Automated accounting procedures are integrated with manual exercises to reinforce and apply practical accounting skills.

INTRODUCTION TO BUSINESS

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course will introduce students to such business concepts as entrepreneurship, accounting, and marketing skills relevant to today's global economy. Students who take Introduction to Business may appreciate an exploration of these basic business topics. It will serve as a foundation for those who wish to learn more in Business Concepts.

BUSINESS CONCEPTS

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Introduction to Business

This continuation course will explore the interesting business topics of personal law, social media advertising, sports/restaurant management and related careers. Students who take Business Concepts may be considering a business major in college.

PERSONAL FINANCE

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course will satisfy the graduation requirement for earning ½ credit in Financial Literacy.

Prepare for your future by learning how to manage your personal finances. This course introduces topics such as budgeting, banking, saving, prices, credit, online shopping, etc. *A special course fee of \$25.00 will be charged.*

HONORS PERSONAL FINANCE

Grade 11 or 12 Level H 1 semester ½ credit

Prerequisite: Completion of or currently enrolled in Scholarship Algebra II and 2.5 GPA

This course will satisfy the graduation requirement for earning ½ credit in Financial Literacy.

Prepare for your future by learning how to manage your personal finances. Learn about and play the stock market, as well as simulate practical banking activities. *A special course fee of \$25.00 will be charged.*

COMPUTER SCIENCE

Computer technology is changing the way Americans manage their business, formal studies, homes, and recreation. Advancing students' understanding of the principles and practices of computing is critical to developing a more competitive workforce of the 21st Century. We believe every student should achieve a basic level of computer skills at Carroll High School. In addition to encouraging the use of the computer as a tool in other courses, the Computer Science Department offers a variety of formal computer courses. Students have hands-on use of computer-based instruction giving students the experience and technical skills necessary to be successful in the new millennium.

GOOGLE SUITE

Grade 9 or 10 Level CP 1 semester ½ credit

Prerequisite: None

This course will satisfy the graduation requirement for earning ½ credit in Computer Science.

Students will learn to improve their skills with the main elements of office applications – documents, spreadsheets, and presentation software in various content learning exercises. Students will also improve their keyboarding skills.

COMPUTER SCIENCE PRINCIPLES

Grade 9, 10, or 11 Level CP 1 semester ½ credit

Prerequisite: None

This course will satisfy the graduation requirement for earning ½ credit in Computer Science.

This course is for students who have average keyboarding and computer skills. Students will develop or improve their knowledge of documents, spreadsheets, and presentation software. This course introduces students to the central ideas of computer science. Students will investigate the innovations that computing has made possible and examine ethical implication of new computing technologies.

HONORS COMPUTER SCIENCE PRINCIPLES

Grade 9, 10, or 11 Level H 1 semester ½ credit

Prerequisite: Honors Math program

This course will satisfy the graduation requirement for earning ½ credit in Computer Science.

Honors Math students are encouraged to enroll in this course.

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The course focuses on using technology as a means to solve computational problems. Students will investigate the innovations that computing has made possible and examine ethical implications of new computing technologies. The course is organized around the investigation of seven big ideas developed by the AP Computer Science curriculum. By the end of the course the students will create one of the two required performance tasks, which require students to explore the impacts of computing.

ONLINE COMPUTER SCIENCE PRINCIPLES

Grade 10 or 11 Level CP Summer ½ credit

Prerequisite: None

This course will satisfy the graduation requirement for earning ½ credit in Computer Science.

This course is for students who have average keyboarding and computer skills. Students will develop or improve their knowledge of documents, spreadsheets, and presentation software. This course introduces students to the central ideas of computer science. Students will investigate the innovations that computing has made possible and examine ethical implication of new computing technologies. To participate in this course, students **must** have daily access to the Internet. Each student is required to spend a minimum of 60 hours (independently) to fulfill the minimum course requirements. All course requirements and grades are available on an Online Learning Management System (Blackboard is currently being used). Note: The course will appear on Family Portal in the following Fall semester.

ONLINE HONORS COMPUTER SCIENCE PRINCIPLES

Grade 10 or 11 Level H Summer ½ credit

Prerequisite: Honors Math Program

This course will satisfy the graduation requirement for earning ½ credit in Computer Science.

Honors Math students are encouraged to enroll in this course.

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The course focuses on using technology as a means to solve computational problems. Students will investigate the innovations that computing has made possible and examine ethical implications of new computing technologies. The course is organized around the investigation of seven big ideas developed by the AP Computer Science curriculum. By the end of the course the students will create one of the two required performance tasks, which require students to explore the impacts of computing. To participate in this course, students **must** have daily access to the Internet. Each student is required to spend a minimum of 60 hours (independently) to fulfill the minimum course requirements. All course requirements and grades are available on an Online Learning Management System (Blackboard is currently being used). Note: The course will appear on Family Portal in the following Fall semester.



PROGRAMMING BASICS

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Google Suite or Computer Science Principles and completion of Algebra I with 2.0 or above

This course introduces students to the principles of computer science and programming. This course provides a thorough introduction to programming concepts and emphasizes logic, structured programming and design. Students will develop problem solving skills, including loops and conditional statements. Students will also have the opportunity to design simple computer animations and computer games.



ALICE & JAVA PROGRAMMING

Grade 10, 11, or 12 Level AC 1 semester ½ credit

Prerequisite: Programming Basics, Honors Computer Science Principles, Scholarship Geometry with a 3.0 or above or teacher recommendation

This course is intended to give students hands-on introduction to object-oriented programming concepts using the ALICE & JAVA programming language. Students will use ALICE & JAVA to design and test algorithms, code them into programs, correctly apply the syntax of the language, and properly document programs. They will develop a number of programming principles including loops, selection statements, structured and object-oriented design, data structures, event-driven design, and use interface design.

ENGLISH

The English curriculum presents a rigorous and balanced program in reading, writing, speaking and listening, and language. We offer a literature program which provides extensive and varied preparation opportunities and materials for State assessments as well as College and Career Readiness Standards in English Language Arts. We encourage students to be excellent communicators and lifelong learners. We offer a strong tradition of grammar, vocabulary, composition, speech, and classical and contemporary literature in the six levels of difficulty (see page 2 for explanation of difficulty).

REQUIREMENTS AND RECOMMENDATIONS:

- All courses will include reading, writing, and speaking activities.
- Students are required to enroll in at least one English course each semester.
- To move to a higher course in the regular sequence, a student must earn an “A” with teacher recommendation.

ENGLISH 101/102

Grade 9 Level CP 2 semesters

Prerequisite: Recommendation from Guidance Department

Summer reading will be required. A reading list will be published in May.

This course will focus on traditional grammar and composition skills aimed at strengthening students’ writing proficiency. Parts of speech, sentence structure, and punctuation will be emphasized. Students will practice writing descriptive, narrative, and expository essays. Non-fiction selections and vocabulary study will also be included. Students will study elements of fiction as they read short stories, narrative poetry, a Shakespearean drama, and novels. Students will also continue to practice essay writing in the context of literature. It is the goal of the department for these students to move to Classic Literature and Writing by junior year.

NCAA
1 credit

INTRODUCTION TO LITERATURE & COMPOSITION 101/102

Grade 9 Level CP 2 semesters

Prerequisite: Recommendation from Guidance Department

Summer reading will be required. A reading list will be published in May.

Students will study the elements of fiction, nonfiction, poetry, folk literature, and drama. This course provides for the development of composition. As an aid to logical organization of thought in writing, students will employ the entire writing process (outline, rough draft, final draft) in order to produce well-written essays. A Shakespearean drama is studied, as well as various novels. Students are expected to learn the aspects of traditional grammar and develop vocabulary.

NCAA
1 credit

READING LAB

Grade 9 Level CP 1 semester ¼ credit

Prerequisite: Recommendation from Guidance Department

Reading Lab is designed to aid freshmen in the transition to high school. Students will be given individual instruction to enhance their reading comprehension in all subjects. The course will offer instruction in all phases of reading, as well as reinforce vocabulary, grammar, organization, study skills, and computer skills. Students will also prepare for tests required by the state. Students will receive credit upon completion of all lab requirements, including but not limited to homework, preparation, semester exams, and end of course evaluations.

ENGLISH 201/202Grade 10 Level CP 2 semesters **NCAA**
1 credit*Prerequisite: None**Summer reading will be required. A reading list will be published in May.*

Students will study a selection of short stories, poetry, novels, and a Shakespearean play. Students will study basic grammar, sentence and paragraph structure, and vocabulary. As an aid to logical organization of thought in writing, students will employ the entire writing process (outline, rough draft, final draft) in order to produce well-written essays. It is the goal of the department for these students to move to Classic Literature and Writing by junior year.

EXPERIENCES IN LITERATURE & WRITING 201/202Grade 10 Level CP 2 semesters **NCAA**
1 credit*Prerequisite: None**Summer reading will be required. A reading list will be published in May.*

Students will review the elements of fiction, non-fiction, poetry, and drama and apply them to the literature studied in class. Vocabulary, grammar, and writing will be emphasized, and students will use the writing process (outline, rough draft, final draft). Students will read short stories, a Shakespearean play, and various novels. Students will study persuasion and logical fallacies, applying this knowledge to their reading and writing.

ENGLISH 301/302Grade 11 Level CP 2 semesters **NCAA**
1 credit*Prerequisite: None**Summer reading will be required. A reading list will be published in May.*

Students will read, discuss, and write about literature. Throughout the course a Shakespearean play, mythology, and various novels will be used. Various writing assignments will allow students to express their thoughts on the literary aspects of the work, the story itself, and how the events experienced in the work apply to their lives. Continued emphasis will be placed on expanding the student's vocabulary and on the writing process (outline, rough draft, final draft).

CLASSIC LITERATURE & WRITING 301/302Grade 11 Level AC 2 semesters **NCAA**
1 credit*Prerequisite: None**Summer reading will be required. A reading list will be published in May.*

Students will continue work on the writing process (outline, rough draft, final draft) as a preparation for college entrance essays. Students will make connections with the literature and develop critical thinking skills through various reading, writings, and oral presentations activities. Throughout the course Shakespearean plays, mythology, and various novels will be used.

ENGLISH LITERATURE & COMPOSITION 401/402Grade 12 Level AC 2 semesters **NCAA**
1 credit*Prerequisite: None**Summer reading will be required. A reading list will be published in May.*

This course will focus on effective reading, writing, and speaking. Students will learn reflexive, analytical, and argumentative writing strategies, incorporating sources and personal experience. They will write multiple drafts as they work toward fluency in style and mechanics. Requirements include an 8-10 page argumentative research paper. In addition, students will explore universal themes in literature by studying a variety of classic, modern, and nonfiction works.

ENGLISH ELECTIVES

CREATIVE WRITING

Grade 10, 11, or 12 Level AC 1 semester

Prerequisite: None

This course involves the student in a variety of writing experiences that range from responses to daily prompts to longer pieces of writing that fulfill pre-established rubrics. Both prose and poetic styles are studied and written. Students compile a portfolio of writings to share with the class. Students are also encouraged to submit selections to the school's literary publication, *Write-On*.

NCAA

½ credit

PUBLIC SPEAKING

Grade 10, 11, or 12 Level AC 1 semester

Prerequisite: None

This course is designed to improve the student's public speaking techniques, poise, and self-confidence in the following specific areas: persuasive speech, informative speech, demonstration speech, sales speech, and impromptu speech. Each of these speeches will form a unit of the course. A presentation before the class will be part of each unit.

NCAA

½ credit

HONORS ENGLISH SEQUENCE

HONORS ENGLISH 101/102

Grade 9 Level H 2 semesters

Prerequisite: Recommendation from Guidance Department

Summer reading will be required. A reading list will be published in May.

Students will experience in-depth studies of the elements of fiction, nonfiction, poetry, folk literature, and drama, including a Shakespearean play. Various novels, poems, and plays will be read throughout the course. This course provides for the advancement of composition skills. As an aid to logical organization of thought in writing, students will employ the entire writing process (outline, rough draft, final draft) in order to produce unified and cohesive essays. A Shakespearean drama and a variety of novels are studied. Students are expected to learn and comprehend aspects of traditional grammar, ACT vocabulary, and Greek and Latin roots.

NCAA

1 credit

HONORS ENGLISH 201/202

Grade 10 Level H 2 semesters

Prerequisite: Unweighted 2.5 or above in Honors English 101-102 or teacher recommendation.

Summer reading will be required. A reading list will be published in May.

Students will read various novels, short stories, nonfiction, poetry, and drama, including a Shakespearean play. Further study of grammar and vocabulary will be included. Students will work to expand their writing through the formal writing process (outline, rough draft, final draft) and write both a critical analysis essay and a persuasive essay. Persuasive techniques and logical fallacies will be studied and applied to various reading, writing, and presentation activities. . Students are expected to learn and comprehend aspects of traditional grammar, ACT vocabulary, and Greek and Latin roots.

NCAA

1 credit

HONORS ENGLISH 301/302

Grade 11 Level H 2 semesters

Prerequisite: Unweighted 2.5 or above in Honors English 201-202 or teacher recommendation

Summer reading will be required. A reading list will be published in May.

This course will provide students with the opportunity to develop critical thinking skills by reading various novels, mythology, and drama, including Shakespearean plays. Also, students will study the literary philosophies through the reading of these works. Students will produce outlines and essays for expository writing assignments using the proper MLA format, and vocabulary lessons will be provided to prepare students for college entrance exams.

NCAA

1 credit

HONORS COMPOSITION & LITERATURE 401/402

Grade 12 Level AP DC 2 semesters 2 credits

Prerequisite: Unweighted 2.5 or above in AP English 501-502 or Honors English 301-302 or teacher recommendation. Summer reading will be required. A reading list will be published in May.

In the first half of this course, the students will learn reflexive, analytical, and argumentative writing strategies, incorporating sources and personal experience. Students will negotiate between public and private rhetorical situations and purposes to achieve academic literacy. They will write multiple drafts using a recursive writing process as they work toward fluency in style and mechanics. Requirements include an 8-10 page argumentative research paper. The second half of this course introduces students to major literary genres, including narrative fiction, poetry, and drama. Emphasis is placed on literary terminology and interpretation. Students will effectively and ethically argue their interpretations of literary works using textual evidence and Modern Language Association (MLA) documentation. Students may earn dual credit with six college semester hours through Sinclair Community College for an additional fee.

ADVANCED PLACEMENT**AP ENGLISH LANGUAGE & COMPOSITION 501/502**

Grade 11 Level AP 2 semesters 1 credit

Prerequisite: Unweighted 2.5 or above in Honors English 201-202 and teacher recommendation. Summer reading will be required. A reading list will be published in May.

This course is designed for the highly motivated student and will begin with discussion, assessments, and essays involving the summer reading assignments. As preparation for the AP test and college-level work, numerous examples of AP objective and essay questions will be woven into the course. Also, the students will utilize Robert’s College Edition of *Writing Themes about Literature* to enhance their writing skills. Students will compose rhetorical analysis, synthesis, and argumentative essays following their reading, discussion, and analysis of many literary works including various novels, mythology, and Shakespearean plays.

AP ENGLISH LITERATURE & COMPOSITION 601/602

Grade 12 Level AP 2 semesters 1 credit

Prerequisite: Unweighted 2.5 or above in AP English Language & Comp 501-502 and teacher recommendation. Summer reading will be required. A reading list will be published in May.

This course is designed as an intensive program containing college-level concepts for highly motivated English students and provides ample preparation and practice in the skills necessary to pass the AP test in “English Literature and Composition.” The course begins with discussion, assessments, and essays on the summer reading assignments. Students will compose essays based on selections from the anthology *Literature and Composition*, various novels, poetry, and drama, including Shakespearean plays. Students will be expected to utilize reflective, analytical, and argumentative writing strategies while addressing the themes and purposes of the literary works. The students will also write an 8-10 page argumentative research paper applying works of literature to a values question.

FAMILY AND CONSUMER SCIENCE

Family and Consumer Science courses are designed to prepare the student for basic, lifelong, daily living tasks, to provide the student with background for certain college programs, or to develop the student’s personal interests. A lab fee will be charged in the food’s classes.

CHILD DEVELOPMENT

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course will focus on the developmental stages of children from birth through school age including prenatal development and the birth process. Different family types, parenting styles, and basic parenting skills necessary for each developmental stage will be covered. The relationship between children, learning, and play will also be studied.

INDEPENDENT LIVING

Grade 11 or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course will satisfy the graduation requirement for earning ½ credit in Financial Literacy.

This course is designed to promote a healthy lifestyle and self-sufficient living as the student approaches adulthood. Topics such as money management, time management, personal management, goal setting, job interviewing, and resumes are included.

INTERIOR DESIGN Level CP

Grade 9, 10, 11, or 12 1 semester ½ credit

Prerequisite: None

This course is designed for students interested in the principles of interior and exterior design of today's homes. The course will be devoted to housing styles from pre-colonial to modern times. The principles of good design, home furnishings, and interior decorating will be explored through a second quarter design project.

FASHION DESIGN

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course introduces the world of fashion. Students will learn about the elements and principles of design, fabrics and textiles, a brief history of fashion, and how to build a wardrobe. We will explore the fashion industry, learning about designers, careers, clothing construction and how to read trends. Students will show their creativity through hands-on projects as they learn the basics of color and design.

CHEF'S WORLD

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course is for students interested in nutrition and its relationship to one's health. Laboratory experience develops the basic cooking techniques. Food purchasing, food storage, kitchen equipment and kitchen safety are included. *A special course fee of \$25.00 will be charged.*

GLOBAL GOURMET

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Chef's World with a 2.0 or above

This course provides additional studies and experiences in nutrition and culinary projects. Topics included are meal management, table settings, foreign and ethnic foods, and regional American cuisine. *A special course fee of \$25.00 will be charged.*

CREATIVE BAKING

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Chef's World with a 2.0 or above

This course will focus on baking, both sweet and savory. Topics include breads, yeast breads, pies, tarts, tortes, cakes of all types and flavors, pastries, cookies from foreign lands, and regional specialties of the U.S.A. *A special course fee of \$25.00 will be charged.*

FINE ARTS**VISUAL ART**

The purpose of the Course of Study of the Art Department is to ensure a progressive flow of art instruction that is both varied and challenging. The selection of courses is intended to provide instruction for the student wishing to dabble in Art (Digital Photography and/or Ceramics/Sculpture), the student looking for a basic background in art or striving to fulfill the fine arts requirement of many universities (Creative Design and Creative Drawing), and the student choosing to major in Art or desiring further cultural enrichment. Students wanting to major in Art will be required to purchase an Art supply kit.

CREATIVE DRAWING

Grade 9 or 10 Level CP 1 semester ½ credit

Prerequisite: None

This course is for the student who wants to learn how to draw or improve their doodling skills. A variety of media will be explored including pencil, charcoal, ink, pastels, and digital art. An emphasis will be placed on the elements of design. This class is great for the beginning artist. *A special course fee of \$40.00 will be charged.*

CREATIVE DESIGN

Grade 9 or 10 Level CP 1 semester ½ credit

Prerequisite: None

This course will help the beginning artist expand their creative talents in new and exciting ways. A variety of media will be explored including painting, printmaking, drawing, computers and more. The principles of design will be emphasized. *A special course fee of \$40.00 will be charged.*

STUDIO ART I

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Creative Design, Creative Drawing, and teacher recommendation

This course will improve student confidence in artistic skills and help develop a personal style. A higher level of artistic challenges with materials and subject matter will be explored. Examples are observational and digital drawings, and basic figure animation manipulation. Elements and principles of design will be emphasized. This class is for the young artist who truly wants a more in-depth art experience. *A special course fee of \$40.00 will be charged.*

STUDIO ART II

Grade 10, 11, or 12 Level AC 1 semester ½ credit

Prerequisite: Creative Drawing, Creative Design, Studio Art I, and teacher recommendation

This course is for the student wanting to experience more challenging technique and creative ideas. Elements and principles of design are emphasized in this class. Students will get experience with painting, drawing, and Photoshop. *A special course fee of \$40.00 will be charged.*

CERAMICS/SCULPTURE I

Grade 11 or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course will introduce the student to basic techniques of hand building in pottery and sculpture from various cultures. Simple glazing and sculpture surface finishing will be included. *A special course fee of \$40.00 will be charged.*

CERAMICS/SCULPTURE II

Grade 11 or 12 Level CP 1 semester ½ credit

Prerequisite: 3.0 or above in Ceramics/Sculpture

This clay course is a continuation of Ceramics/Sculpture I. The student will experience a more challenging variety of subject matter (teapots, vases, animals, etc.) and glazing techniques. *A special course fee of \$40.00 will be charged.*

DIGITAL PHOTOGRAPHY & ART

Grade 11 or 12 Level CP 1 semester ½ credit

Prerequisite: None

No drawing ability is needed to create computer graphics, manipulate personal photographs, create collages or take artistic photographs. This course engages the student with real-world projects combining the computer and the art of photography. The course will focus on software skills and features for creating the projects using Adobe Photoshop. The student will learn digital techniques: layering, transferring, scanning, merging and applying filters to create exciting new pieces of art from personal photographs. Student projects can include a visual journal manipulating their own photographs, posters, a ceramic tile design, a memory box, a digital zentangle, as well as the fine art of photography. All students will need access to a digital camera. *A special course fee of \$40.00 will be charged.*

ONLINE ART APPRECIATION

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

The overall purpose of this course is to provide the student with a basic understanding and appreciation of the story of art. The course uses the formal elements and principles of design to examine a wide variety of both two and three-dimensional art, utilizing a textbook and PowerPoint reviews. This course will be offered during October-March.

AP STUDIO ART 2-D DESIGN 501/502

Grade 11 or 12 Level AP 2 semesters 1 credit

Prerequisite: Teacher recommendation

This is a four-semester program designed for the highly motivated student who is seriously interested in the study of art. The 2-D Design Portfolio involves demonstrating conscious and deliberate applications of design issues using a variety of forms. Graphic design, digital imaging, photography, collage, fabric design, illustration, typography, weaving, painting and printmaking could qualify as forms used to address design issues. Students will be given the opportunity to submit a portfolio of artwork for evaluation at the end of the course. The College AP Studio Art Board will evaluate the portfolio to determine if freshman college credits are earned. *A special course fee of \$80.00 will be charged.* In addition, the College Board requires a fee for evaluation of portfolio.

AP STUDIO ART DRAWING 601/602

Grade 12 Level AP 2 semesters 1 credit

Prerequisite: Teacher recommendation

This is a program designed for the highly motivated student who is seriously interested in the study of art. The Drawing Portfolio is designed to address a broad interpretation of drawing issues. For example, painting, printmaking, studies for sculpture, some forms of design, abstract, and observational works all would qualify as addressing drawing issues. Students will be given the opportunity to submit a portfolio of artwork for evaluation at the end of the course. The College AP Studio Art Board will evaluate the portfolio to determine if freshman college credits are earned. *A special course fee of \$80.00 will be charged.* In addition, the College Board requires a fee for evaluation of portfolio.

MUSIC

Music Theory allows interested students opportunities to explore the elements of musical construction. Included is the study of melodic and harmonic notation, musical form and style, music composition, ear training and listening techniques.

MUSIC THEORY I

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course begins with the study of the elements of music and progresses to a basic understanding of how music is written and performed. Basic ear training and listening techniques are also introduced.

MUSIC THEORY II

Grade 10, 11, or 12 Level AC 1 semester ½ credit

Prerequisite: Music Theory I or teacher recommendation

Emphasis is on more advanced musical construction, performance techniques, and ear training.

AP MUSIC THEORY

Grade 11 or 12 Level AP 1 semester ½ credit

Prerequisite: Music Theory II and teacher recommendation

This course is a continuation of Music Theory II. This class prepares students for the Advanced Placement Music Theory test.

INSTRUMENTAL MUSIC

Additional rehearsals outside of class time are necessitated with Symphonic Band, as well as individual practice requirements. Students taking Symphonic Band will participate in Marching Band. The only exception to the Marching Band requirement is full participation in a Carroll High School fall sport.

INSTRUMENTAL MUSIC

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This is a course designed to acquaint students, with limited or no prior musical training, to the broad field of instrumental music. Emphasis is placed upon the development of musical performance skills. This will include elementary skill in music reading and writing through participation and listening. Students will learn to play one or more instruments of their choice. Instrument rental fees may apply. Students may repeat course for credit.

INTRODUCTION TO GUITAR

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Students must bring their own guitar to each class

This course allows students of all levels of experience to develop their guitar skills in a group setting. Students will gain an understanding of concepts such as tuning, maintenance, chord structure, and melodic development. Varied styles of music will be performed, and basic music theory will accompany technical development.

CHAMBER STRINGS 101

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Students must own a violin, viola, cello, or string bass

This course will give string players, with limited or extensive background, an opportunity to rehearse and perform with others. Students will learn to correctly tune their instruments, discover bowing techniques, and develop an understanding of rhythm and melody. In addition to individual technique, there will be a strong focus on ensemble playing through the exploration of chamber music literature. Students may repeat course for credit.

CHAMBER STRINGS 102

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Students must own a violin, viola, cello, or string bass. Successful completion of Chamber Strings 101 or approval of Director

This course will give string players, with limited or extensive background, an opportunity to rehearse and perform with others. Students will learn to correctly tune their instruments, discover bowing techniques, and develop an understanding of rhythm and melody. In addition to individual technique, there will be a strong focus on ensemble playing through the exploration of chamber music literature. Students may repeat course for credit.

SYMPHONIC BAND 101

Grade 9 or 10 Level CP 1 semester ½ credit

Prerequisite: A basic ability on any instrument. (Students with no prior experience will be considered by the Director along with an agreement to study privately.)

This course enables the less experienced students, as well as the more experienced students, to further develop their basic skills of instrumental technique and musicianship through marching and concert literature. This course will enable students to learn the basics of his or her particular instrument through both the fundamental and more advanced study of scales, arpeggios, rhythmic etudes, and music literature. The course will develop the student's ranges as well as enhance both tone quality and intonation of the individual performer. Outside performances are an integral part of this class. Participation at all performances is mandatory. Students may repeat course for credit.

SYMPHONIC BAND 102

Grade 9 or 10 Level CP 1 semester ½ credit

Prerequisite: Successful completion of first semester of current year band or approval of Director

This course is a continuation of Symphonic Band. Preparation of a solo or ensemble from the O.M.E.A. contest list is required.

ADVANCED SYMPHONIC BAND 101

Grade 11 or 12 Level AC 1 semester ½ credit

Prerequisite: Approval of Director

Advanced Symphonic Band is designed to promote technical ensemble and full band performance through more difficult wind ensemble literature. The student should gain a broader appreciation and understanding of music. Outside performances are an integral part of this class. Participation at all performances is mandatory. Students may repeat course for credit.

ADVANCED SYMPHONIC BAND 102

Grade 11 or 12 Level AC 1 semester ½ credit

Prerequisite: Successful completion of first semester of current year band or approval of Director

This course is a continuation of Advanced Symphonic Band. Preparation of a solo or ensemble from the O.M.E.A. contest list is required. Students may repeat course for credit.

JAZZ BAND

Grade 9, 10, 11, or 12 Level CP After School ¼ credit

Prerequisite: Acceptance by audition

This course is designed to allow students, who qualify, the opportunity to raise their skills to a higher level of achievement through the performance of contemporary and jazz literature. This class will meet for two 2-hour sessions per week, plus additional practices per arrangement with Director, after the marching band season has been completed. Members are required to remain in the group for the rest of the school year. Jazz band classes are after school enrichment classes. Students may repeat course for credit.

MARCHING BAND

Grade 9, 10, 11, or 12 Level CP After School ¼ credit

Prerequisite: None

This course enables the students to further develop their basic skills of instrumental technique, musicianship, and physical coordination through performance of contemporary literature, accompanied by movement. Students will have multiple performance opportunities, locally, and nationally, in settings of competitions, parades, football games, and concerts. After school rehearsals and weekend performances are mandatory. Students may repeat course for credit.

HONORS MUSIC PROGRAM

The purpose of an honors level band class is to allow students opportunity for additional growth with an in-depth study of musical performance. Honors Band is taught in the second semester of each school year for juniors and seniors. The class meets concurrently with symphonic band; additional out-of-class projects will be required.

HONORS SYMPHONIC BAND

Grade 11 or 12 Level H 1 semester ½ credit

Prerequisite: Successful completion of first semester of current year band plus approval of Director

In addition to performing in the symphonic band, students must complete each of the following: participation in private music study with a qualified teacher (at their own expense); private teachers will evaluate student achievement; preparation of both a solo and an ensemble piece to be performed at the O.M.E.A. solo and ensemble contest (students will be eligible to compete for an opportunity to perform in the spring concert); performance in either the Carroll Jazz Band, Winter Drum Line, or the basketball Pep Band; completion of an individual music education research project. A list of project topics is available in the Music Department. Outside performances are an integral part of this class. Participation is mandatory. Students may repeat course for credit.

THEATER

THEATER ARTS I

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

In this course the students will participate in pantomimes, improvisations, and stage movements. The course will provide technical knowledge for oral interpretation and acting. It will also provide information on make-up, costumes, and sets. The final project of the course will require the students to prepare and present a dramatic scene to the class.

THEATER ARTS II

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Successful completion of Theater Arts I

The students in this course will read, discuss, and perform various scenes by established playwrights. Students will be required to research topics on the history of the theater; as well as write, act and produce a one-act play and a full-length play. Students will continue to enhance their knowledge of pantomime, improvisations, stage movement, vocal technique, stagecraft, make-up, and costuming.

YEARBOOK

YEARBOOK

Grade 10, 11, or 12 1 semester ½ credit

Prerequisite: Application Process

Students will utilize publication design software to create the school yearbook. This class can be taken more than once for credit. Grades are determined on a pass or fail basis.

INDUSTRIAL TECHNOLOGY

Industrial Technology courses are designed to give students a better understanding of our industrial environment and the graphic illustration of ideas. The Industrial Technology program is recommended for college prep students who are interested in pursuing careers in the fields of engineering and design. Other courses are directed toward individual student needs and are open for enrollment to all students. In some courses, students will be required to purchase consumable products as well as pay a shop fee.

APPLIED TECHNOLOGY I

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This comprehensive STEM course will focus on the basics of Mechanical Drafting, Computer-Aided Drafting, and Architectural Drafting. This course will teach students how to take an idea from paper to project by using CAD software and CAM. This process will include elements of design, geometric constructions, orthographic projections, dimension standards, pictorial drawings, sectioning, auxiliary views, and 3-D models. This course will benefit students who are considering a career field in engineering, architecture, interior design, or any career that requires blueprint reading such as carpenters, plumbers, electricians, or machinists. *A special course fee of \$20.00 will be charged.*



APPLIED TECHNOLOGY II

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Applied Technology I

This course is designed to expand on the concepts and projects from Applied Technology I. *A special course fee of \$20.00 will be charged.*



WOODWORKING I

Grade 9, 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: None

This course will provide students with a fundamental knowledge of woods, woodworking tools, methods and procedures. Some projects will be assigned by the instructor (example: shelf, magazine rack, and plant stand). Students may select other projects. The following topics will be included: general safety practices, types of wood and layout, wood joints and fasteners, gluing and clamping, sanding and finishing, use of power tools (table saw, radial arm saw, jointer, router, drill press), use of hand tools (drills, belt sander, try square, measuring tape), and introduction of CAD/CAM and CNC routing through the use of the Torchmate. Students will pay for materials used to construct additional projects. *A special course fee of \$30.00 will be charged.*

WOODWORKING II

Grade 10, 11, or 12 Level CP 1 semester ½ credit

Prerequisite: Woodworking I

This course is similar to Woodworking I except more emphasis will be placed on wood joints and more advanced projects (example: end tables, nightstand, and book case). Students will further their knowledge of the CAD program and Torchmate cutting system. *A special course fee of \$30.00 will be charged.*

WOODWORKING III

Grade 11 or 12 Level AC 1 semester ½ credit

Prerequisite: Woodworking II

Students will be required to do individual wood projects and participate in class mass-production projects. Some out-of-class work will be expected. Students will be required to properly operate all power tools and hand power tools and know different wood joints. Students will also be able to operate the CAD program for use of the Torchmate cutting system. *A special course fee of \$30.00 will be charged.*

HONORS WOODWORKING IV

Grade 11 or 12 Level H 1 semester ½ credit

Prerequisite: Woodworking III

Students will be required to do individual wood projects and participate in class mass-production projects. Students will be required to properly operate all power tools and hand power tools and know different wood joints. Students will also be able to operate the CAD program for use of the Torchmate cutting system. *A special course fee of \$30.00 will be charged.*

MATHEMATICS

A student is assigned to a Mathematics program that best fits his/her ability level and considers previous Mathematics experiences and future needs. Algebra I, Geometry, Algebra II, and Pre-Calculus are offered at several levels, all of which provide college preparatory work. Levels will differ in degree of abstraction, pace of instruction, and the degree to which a student is expected to work on their own.

Calculators, software, and other technology are necessary for Mathematics education today. They make important mathematical ideas available to students at earlier ages, make possible the use of real-life numbers and graphs in realistic problem situations, and facilitate open-ended problem exploration. Graphing calculators introduce students to the technology used by professional mathematicians, scientists, and engineers. They enable students to visualize complex mathematical functions. Graphing calculators may be used by students taking the SAT, ACT, AP, and other standardized tests. In addition to learning to use graphing calculators, students may have the opportunity to use technological tools such as Geometer's Sketch Pad, Infinity software and hardware, and FANUC industrial robots and programming software. These technology tools are used to strengthen the comprehension of mathematical foundations and encourage critical thinking for solving problems.

Courses marked with ∞ at the end of their name require a graphing calculator. All other courses require a scientific calculator with trigonometry keys (sin, cos, tan), scientific notation, and power and root functions. The graphing calculator recommended by the Mathematics Department is the TI-84+. This calculator is easy to learn to use, durable, and suitable for the content of high school mathematics. It is the model teachers will use in class demonstrations. Acceptable substitutes include any of the earlier models: TI-83, TI-83+, and TI-84. Other calculators, although not recommended, may be acceptable for high school use. Please check with your student's mathematics teacher if you are looking into a different model.

ALGEBRA IA 101/102

NCAA

Grade 9 Level CP 2 semesters

1 credit

Prerequisite: Recommendation from Guidance Department

First semester topics include solving equations in one variable, solving inequalities in one variable, and basics of functions (notation, function language, graphing, etc.). Second semester topics include the study of functions, systems of linear equations and inequalities, and polynomial expressions and functions. *This course has been approved by the NCAA for ½ credit.*

ALGEBRA IB 101/102

NCAA

Grade 10 Level CP 2 semesters

1 credit

Prerequisite: Algebra IA

First semester topics include quadratic functions, radical expressions and radical equations. Second semester topics include exponential functions and equations, and statistical modeling. *This course has been approved by the NCAA for ½ credit.*

ALGEBRA I 101/202

NCAA

Grade 9 Level CP 2 semesters

1 credit

Prerequisite: Recommendation from Guidance Department or teacher recommendation

This course emphasizes the underlying structure of the Real Number System and the understanding and application of Algebraic concepts. Topics to be studied include: signed numbers, solution of linear equations in one variable, polynomials, factoring, rational expressions, rectangular coordinate system and graphing, and systems of linear equations.

GEOMETRY 201/202

NCAA

Grade 10 or 11 Level CP 2 semesters

1 credit

Prerequisite: Algebra I or Algebra IB

This course introduces the basic concepts and relationships of geometry. Students learn to use deductive and inductive reasoning and apply postulates and theorems to geometric figures. Topics to be studied include: properties of angles, lines, polygons, ratio and proportion, circles, area, perimeter, coordinate geometry, and volume. Algebra skills are reinforced throughout the course.

ALGEBRA II/TRIG 301/302 ∞

NCAA

Grade 11 or 12 Level CP 2 semesters

1 credit

Prerequisite: Geometry

This course extends concepts and skills learned in first year Algebra, especially equation solving and graphing. Topics to be studied include: linear equations, quadratic and higher order polynomials, complex numbers, systems of equations, graphing, conic sections, and trigonometry.

PRE-CALCULUS 401/402 ∞

NCAA

Grade 11 or 12 Level CP 2 semesters

1 credit

Prerequisite: Algebra II/Trig

Students will review and extend their understanding and application of Algebra I and Algebra II/Trig concepts. In addition, polynomial, trigonometric, and logarithmic functions will be discussed. The conic sections will be explored. As time permits, polar coordinates, sequences, series, and the concept of limits may be discussed.

SCHOLARSHIP SEQUENCE

SCHOLARSHIP ALGEBRA I 101/102

Grade 9 Level CP 2 semesters

NCAA
1 credit

Prerequisite: Recommendation from Guidance Department

The first semester of this course covers properties of real numbers, functions, solutions of linear equations in one variable, and the Cartesian coordinate system, along with graphing. Many types of problems are explored, with emphasis on developing equations to express relationships between variable quantities, performing correct solution procedures, and clearly expressing conclusions. The second semester covers linear inequalities, systems of linear equations and inequalities, rational exponents, polynomials and factoring, and radical expressions. Statistics and probability topics will be included, as time permits.

SCHOLARSHIP GEOMETRY 201/202

Grade 9 or 10 Level CP 2 semesters

NCAA
1 credit

Prerequisite: Scholarship Algebra I or teacher recommendation

First semester of this course includes the study of angles, lines, and polygons. Students are led to an appreciation of the need for mathematical proof and will learn to construct original proofs of various types. Second semester topics include circles, right triangles, ratio and proportion, area, perimeter, volume, and coordinate geometry.

SCHOLARSHIP ALGEBRA II/TRIG 301/302 ∞

Grade 10, 11, or 12 Level AC 2 semesters

NCAA
1 credit

Prerequisite: Scholarship Algebra I and Scholarship Geometry with a 2.0 or above or teacher recommendation

This course extends concepts and skills learned in first year algebra, especially equation-solving and graphing. Semester one topics include: linear equations and linear systems, matrices, quadratics and higher order polynomials, complex numbers, and rational exponents. Semester two topics include: right triangle trigonometry, the unit circle, and graphing trigonometric functions. Additionally, logarithmic and exponential functions are explored.

SCHOLARSHIP PRE-CALCULUS 401/402 ∞

Grade 11 or 12 Level AC 2 semesters

NCAA
1 credit

Prerequisite: 2.0 or above in Scholarship Algebra II/Trig or teacher recommendation

This course prepares students for the study of calculus. Algebra and geometry are integrated with new topics by an approach which stresses analytic geometry, the concept of function, and the axiomatic structure of algebra. Students are introduced to the standard language and symbols of college math. First semester topics include real and complex number fields, plane analytic geometry, algebra of functions, graphing techniques, and periodic functions. Second semester topics include trigonometry, polynomials, exponential and logarithmic functions, vectors, polar coordinates, and sequences and series with an introduction to limits.

HONORS CALCULUS 401/402 ∞

Grade 12 Level H 2 semesters

NCAA
1 credit

Prerequisite: Scholarship Pre-Calculus or teacher recommendation

This course will cover an introduction to differential calculus. First semester topics include limits, derivatives, and applications of differentiation. Second semester topics will focus on integration and applications of integration.

HONORS SEQUENCE

HONORS ALGEBRA 101/102 ∞

Grade 9 Level H 2 semesters

NCAA
1 credit

Prerequisite: Recommendation from Guidance Department

This challenging course covers the solution of linear equations and inequalities in one variable. Problems of many types are explored with emphasis on collection and analysis of data, choice of efficient solution procedures, and clear presentation of results. Topics to be studied include: the real number system, matrices, introductory set theory, statistics, formulas, analytic geometry, quadratic equations and graphs, functions, systems of equations and inequalities, exponents and radicals, polynomials and factoring, proportion and rational expressions. Rectangular coordinate system and graphing are stressed throughout the course.

HONORS GEOMETRY 201/202 ∞

Grade 9 or 10 Level H 2 semesters

NCAA

1 credit

Prerequisite: A full year of Algebra I in 8th grade and teacher recommendation or unweighted 2.5 or above in Honors Algebra I
 This challenging course covers mathematical reasoning and proof, angles, polygons, reflections, transformations, congruence, and area and perimeter. Algebra is integrated with geometry. Coordinates and transformations are used in both 2 and 3-dimensions. Other topics covered include surface area, volume, coordinate geometry, similarity, indirect proof, introductory trigonometry, and circles. Applications and problem solving are stressed. *A special course fee of \$15.00 will be charged.*

HONORS ALGEBRA II/TRIG 301/302 ∞

Grade 10 or 11 Level H 2 semesters

NCAA

1 credit

Prerequisite: Unweighted 2.5 or above in Honors Geometry or teacher recommendation

This fast-paced course stresses algebraic computational techniques and problem-solving skills. Topics to be studied include: linear equations and inequalities, relations and functions, graphing, systems of equations and inequalities, polynomials, factoring, rational expressions, complex and irrational numbers, quadratic equations and functions, conic sections, exponential and logarithmic equations, sequences and series, and matrices. Trigonometry topics include angle measure, circular functions, trig graphs, identities and solution of triangles.

HONORS PRE-CALCULUS 401/402 ∞

Grade 11 or 12 Level H 2 semesters

NCAA

1 credit

Prerequisite: Unweighted 2.5 or above in Honors Algebra II/Trig

This course prepares students for work in calculus, discrete mathematics, and statistics. Students generate problem statements, use a variety of techniques to solve problems, and interpret their solutions. First semester topics include data analysis, curve fitting, and elementary functions. Second semester topics include trigonometric functions, complex numbers, mathematical modeling, combinatorics, vectors, polar coordinates, and series.

AP CALCULUS AB 401/402 ∞

Grade 12 Level AP 2 semesters

**NCAA**

1 credit

Prerequisite: Unweighted 2.5 or above in Honors Algebra II/Trig and Honors Pre-Calculus. Student must apply for acceptance into course.

This course covers the normal content of a first-year college course in calculus, stressing both traditional techniques and technology intensive problem-solving methods. Students will prepare for the Advanced Placement test in Mathematics of the College Entrance Examination Board (CEEB). After a review of functions, graphing, and analytic geometry, the student studies limits, slope of a curve, and the formal definition of derivative. First semester topics include differentiation formulas, implicit differentiation, applications of the derivative including related rates and optimization problems, curve sketching, and the indefinite integral. Practical applications to physics, biology and economics are included. The second semester covers the definite and indefinite integral, applications of integration, differentiation and integration of trigonometric, exponential, and logarithmic functions, hyperbolic functions, infinite sequences, and series.

ELECTIVES**FINITE MATH 401/402 ∞**

Grade 11 or 12 Level AC 2 semesters

NCAA

1 credit

Prerequisite: Algebra II/Trig

This course will explore various applications of mathematics in the social, finance, health, environmental, ext. fields with emphasis on developing informational, technological, logical, and visual reasoning skills. Topics form numeracy, probability and statistics, finance, mathematical modeling with linear, statistical, and exponential functions, and other areas of mathematics will be covered.

ENGINEERING & ROBOTICS TOPICS ∞



Grade 12 Level AC 1 semester ½ credit

Prerequisite: Algebra II/Trig

This course covers topics of logic, linear algebra with emphasis on algorithmic exploration through programming languages. Topics covered include functions, number systems, game theory, and cryptology. This course will also introduce students to various robotics and engineering topics while using actual industrial equipment and control devices to provide a better idea of engineering concepts. Mathematics and Science topics will be integrated into the class showing the significance and usefulness of theoretical topics. Students will work both in groups and on their own to complete course objectives.

HONORS ENGINEERING & ROBOTICS TOPICS ∞



Grade 11 or 12 Level H 1 semester ½ credit

Prerequisite: Unweighted 2.5 or above in Honors Algebra II/Trig or Scholarship Algebra II/Trig with teacher recommendation

This course will introduce students to robotics and engineering topics. The focus of this course is to introduce students to actual industrial equipment and control devices to give them a better idea of what robotics entails. This course will also provide the opportunity to practice research, modeling, and communication. The scientific and engineering methods for problem solving will be taught. Students will work both in groups and on their own to complete course objectives.

AP COMPUTER SCIENCE PRINCIPLES



Grade 10, 11, or 12 Level AP 1 semester ½ credit

Prerequisite: Completion of Honors Computer Science Principles with at least an unweighted 2.5 or Engineering Topics, Honors Engineering Topics, or Statistics or teacher recommendation

This course will capture important aspects of the work that a computer scientist engages in at the level of competence expected of the AP Computer Science Principles student. The students will develop computational artifacts and analyze data, information, and knowledge represented for computational use. Students will learn to collaborate to build computation artifacts and communicate their purpose. By the end of the course the students will create one of the two required performance tasks, which require students to create computations artifacts through programming. This course will prepare students for the Computer Science Principles Advanced Placement test.

SCHOLARSHIP STATISTICS AND PROBABILITY 101/102



Grade 11 or 12 Level CP 2 semesters 1 credit

Prerequisite: Successful completion (C avg or better) of Scholarship Algebra 2/Trig or above

Students will study the mathematics of probability; they will collect, analyze and interpret data; and they will hone skills in communication and presentation of data-driven results. Students will develop critical thinking skills as they encounter real-world data in this Information Age. This course aims to equip students with the skills to make important insights and to make good decisions as consumers and world citizens. Semester 1 topics of study: basic data analysis, including graphical displays, summary statistics, lines of best fit, use of the Normal curve, exponential and power models. Semester 2 topics of study: data collection, including sampling, polls, surveys, observational studies, experiments and simulations; probability basics, including counting strategies, probability rules, Venn and tree diagrams, expected value and binomial probability; inference concepts

HONORS STATISTICS ∞



Grade 11 or 12 Level H 1 semester ½ credit

Prerequisite: Unweighted 2.5 or above in Honors Algebra II/Trig; or Scholarship Algebra 2/Trig with teacher recommendation.

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to the explanation of data patterns, planning a statistical study, the use of models using probability and simulation, and statistical inference.

AP STATISTICS ∞



Grade 11 or 12 Level AP 1 semester ½ credit

Prerequisite: Unweighted 2.5 or above in Honors Statistics

This course is a continuation of Statistics. Graphical and numerical techniques will be employed to analyze patterns and departure from patterns. Using statistical inference, well-developed plans will be synthesized to obtain valid information on a conjecture and to select appropriate models for study. Probability will be used as a tool for anticipating what the distribution of data will look like for a given model.

PHYSICAL EDUCATION/HEALTH

Each health and physical education course is designed to promote the “total fitness” of the student. We believe a healthy body is essential for physical, mental, social and spiritual growth. Through a variety of activities and lessons, the student is encouraged to develop respect for oneself and others, to assume responsibility for establishing a healthy lifestyle, to strive for excellence in daily tasks, and to appreciate the benefits derived from teamwork and cooperation. The values and outcomes of physical education are realized most fully when the individual has developed an appreciation for movement and physical activity becomes an important element in his/her pattern of daily living. Recognizing the correlation between health and physical education, as well as experiencing athletic and recreational sports become essential for one’s commitment to a physically active lifestyle through adulthood. NOTE: Two semesters of Physical Education should be completed before the end of 11th grade. Students are required to have approved Carroll High School physical education uniform and proper shoes. The purpose of Health education is to provide a concept of wellness and health that includes the well-being of the body, mind, and relationships with others, as well as to develop respect for one’s body, a sense of reverence for all forms and stages of life, and a concern for one’s own well-being. It is the intent of the program to develop positive attitudes toward maintaining effective health and to establish holistic health practices. Our focus is on prevention, the practice of healthy behaviors, and avoidance of high-risk type behaviors.

PHYSICAL EDUCATION

Grade 9, 10, or 11 Level CP 1 semester ¼ credit

Prerequisite: None

Students will be taught fundamental principles of outdoor and indoor team and individual games. Team games studied may include soccer, basketball, volleyball, softball, and floor hockey. Individual activities may include archery, badminton, and aerobic and anaerobic activities. Students may repeat course for credit.

LIFETIME SPORTS

Grade 11 or 12 Level CP 1 semester ¼ credit

Prerequisite: Prior athletic experience (PE course or sport)

This is an elective course for physically active juniors and seniors. This course will highlight the significance of lifetime physical fitness, leisure time activities and sportsmanship. Lifetime Sports activities will focus on court and field games. Examples of these activities include: ultimate Frisbee, Frisbee golf, badminton, volleyball, ultimate volleyball, 3 on 3 basketball, soccer, archery, team handball, pickle ball, floor hockey, ping pong, corn toss, bocce, horseshoes, and speedball. This class will also stress the importance of performance, sportsmanship, and rules and regulations. Students may repeat course for credit.

PHYSICAL EDUCATION EXEMPTION

In accordance with Ohio Core Legislation passed December 2006, students can earn an exemption from the physical education requirement. A student who participates in interscholastic athletics, marching band, or cheerleading for two full seasons can apply for an exemption to the P.E. requirement. There is **no partial** exemption. Student must be eligible the entire season. In compliance with Ohio Revised Code, the student shall still be required to earn the required 23 credits.

HEALTH

Grade 9, 10, or 11 Level CP 1 semester ½ credit

Prerequisite: None

Health education stresses the concept of total-body wellness. It encompasses the physical, mental, and social aspects of human well-being. Health of body, mind, and spirit requires a deep respect for one’s own body, right choices to stimulate one’s mental quotient, and formulation of guidelines that determine parameters in developing healthy relationships with others. It is the purpose of Carroll High School’s health education program to help students develop positive attitudes toward a holistic approach to healthful living. Carroll High School’s health curriculum focuses on the practice of healthy behaviors and the prevention of harmful or high-risk behaviors.

ONLINE HEALTH

Grade 10, 11, or 12

Level CP

1 semester or Summer

½ credit

Prerequisite: None

Health education stresses the concept of total-body wellness. It encompasses the physical, mental, and social aspects of human well-being. To participate in this course, students **must** have daily access to the Internet and Microsoft Office (Word, Excel, and PowerPoint) or Google Suite. Each student is required to spend a minimum of 60 hours (independently) to fulfill the minimum course requirements. All course requirements and grades are available on an Online Learning Management System (Blackboard is currently being used). Note: This course will appear on Family Portal the following Fall semester. This course will be offered two different terms, one in summer and one in October-March.

SCIENCE

Courses in all of the science programs include laboratory investigations, lecture-discussion sessions, demonstrations, and cooperative learning. The history of science and the current advances in technology are incorporated into each science course along with ethical and environmental issues. Students are required to take three years of science. The freshmen and sophomore courses fulfill the life science and physical science graduation requirements.

BIOLOGY 101/102

Grade 9

Level CP

2 semesters

NCAA
1 credit

Prerequisite: Recommendation from Guidance Department

This course is designed to give a basic understanding of the structure and function of living organisms at the cellular level. First semester topics include basic biochemistry, cell division, genetics, and respiration. Second semester topics include photosynthesis, evolution, ecology, environmental problems, and the anatomy and physiology of plant and animal systems. Laboratory experiments and written reports are an essential part of this course. *A special course fee of \$20.00 will be charged.*

PHYSICAL SCIENCE 101/102

Grade 10

Level CP

2 semesters

NCAA
1 credit

Prerequisite: Teacher recommendation

This course introduces selected topics in Chemistry, Earth Science, and Physics. Students will engage in expanding their understanding of scientific theories, ethical practices, practical applications and the relationship between science, technology, and society. Topics explored include the scientific method, science skill, matter, atomic theory, the periodic table, chemical bonding and equations, weather and climate, the universe and solar system, motion, forces, work, energy and power, and mechanical and electromagnetic waves. Developing scientific inquiry skills through laboratory and computer activities is an integral part of this course. *A special course fee of \$20.00 will be charged.*

EARTH SCIENCE 101/102

Grade 11 or 12

Level CP

2 semesters

NCAA
1 credit

Prerequisite: Two years of Science

This course will discuss the origin and basic structure of Earth along with a fundamental understanding of meteorology. An examination of chemistry and the rock cycle will help to understand some of the common minerals and rocks of which our planet is made. Many of the forces creating Earth's ever-changing surface will be examined including: weathering, plate tectonics, mountain building, earthquakes, volcanoes, and glaciers. During the study of meteorology, the composition of the atmosphere and how energy, moisture, and winds determine the creation and movement of air masses, fronts and severe weather systems will be investigated. Climate patterns and changes, past and present, will be examined and the impact of human activities on the Earth's systems will be assessed.

HUMAN BIOLOGY 101/102

Grade 11 or 12 Level CP 2 semesters

NCAA

1 credit

Prerequisite: Two years of science and no previous Anatomy and Physiology coursework

Students will spend time getting an orientation to the basic anatomy of the body. The main focus of the course will be on human body systems and how they apply to health and wellness. The topics in this course include basic anatomy terminology and positions, the tissues, and muscular, skeletal, nervous, digestive, reproductive, respiratory, lymphatic, cardiovascular, and nervous body systems. The course will also present topics such as nutrition and forensic science. This class is appropriate for students interested in the health and the human body, but not for those interested in medical professions.

SCHOLARSHIP SEQUENCE**SCHOLARSHIP BIOLOGY 101/102**

Grade 9 Level CP 2 semesters

NCAA

1 credit

Prerequisite: Recommendation from Guidance Department

This course is designed to give a basic understanding of the structure and function of living organisms at the cellular level. Topics include basic biochemistry, the scientific method, metric system, respiration, and photosynthesis. Ecology and the theory of evolution are studied, as well as the anatomy and physiology of animal systems, cell division and genetics. Experiments and written reports are an essential part of this course. *A special course fee of \$20.00 will be charged.*

SCHOLARSHIP PHYSICAL SCIENCE 101/102

Grade 10 Level CP 2 semesters

NCAA

1 credit

Prerequisite: Teacher recommendation

This course introduces selected topics in Chemistry, Earth Science, and Physics. Students will engage in expanding their understanding of scientific theories, ethical practices, practical applications, and the relationship between science, technology, and society. Topics explored include the scientific method, science skills, matter, atomic theory, the periodic table, chemical bonding and equations, weather and climate, the universe and solar system, motion, forces, work, energy and power, and mechanical and electromagnetic waves. Developing scientific inquiry skills through laboratory and computer activities is an integral part of this course. *A special course fee of \$20.00 will be charged.*

CHEMISTRY 101/102

Grade 10, 11, or 12 Level CP 2 semesters

NCAA

1 credit

Prerequisite: Sophomores: 2.5 or above in Scholarship Biology and Scholarship Algebra I or 3.5 or above in Algebra I

Chemistry is the study of the composition of matter, the changes in composition, and the energy involved in these changes. First semester topics include atomic structure, chemical periodicity, bonding, chemical names and formulas, and chemical and nuclear reactions. Second semester topics covered include chemistry calculations: the mole concept, stoichiometry, thermochemistry, kinetic theory, and gas laws. Laboratory work and written reports are an essential part of the course.

PHYSICS I 101/102

Grade 11 or 12 Level AC 2 semesters

NCAA

1 credit

Prerequisite: 2.5 or above in Chemistry I and concurrent enrollment in Sch. Algebra II/Trig or higher level

Physics is the study of matter and energy and their interdependences. First semester topics developed will include linear motion, vector addition, projectiles, and dynamics. During the second semester the course continues the study of matter and energy relationships through the examination of energy and work, momentum conservation, static electricity, dc circuits, and mechanical waves. Equation manipulation, analysis, and problem solving will be emphasized, as well as a solid conceptual understanding of Newtonian Physics. Laboratory investigations are emphasized as a method for understanding applied concepts.

HONORS SEQUENCE

The Honors Program is designed for students with high achievement levels who may be oriented toward a career in the science, engineering, or medical fields. Students are challenged in this level to produce to their maximum potential. **Each student in Honors Biology, Honors Chemistry, and AP Physics I is required to complete an independent pre-college research project and present it at the Carroll High School Science Day in February.** *It is not recommended for students to enroll in two Advanced Placement science courses in the same year.*

General Qualifications:

1. Must have at least a 3.5 average in both science and math at the Scholarship level to be considered for the Honors program.
2. Both Honors Chemistry and AP Physics I demand a high competency in math, so it is recommended that the student be taking Honors Math.

HONORS BIOLOGY 101/102

Grade 9 Level H 2 semesters

NCAA
1 credit

Prerequisite: Recommendation from Guidance Department

It is recommended that the student be registered in Honors English or Honors Math. This course is designed to give students the opportunity to develop a more in-depth knowledge of biological concepts, as well as a more thorough understanding of the scientific process. First semester topics include an introduction to general inorganic and organic chemistry, cellular structure and organization, and photosynthesis. Second semester topics include the study of evolution and classification, the interaction of living organisms with their environment, respiration, and genetics. Topics are covered in greater detail than in the Scholarship Biology course. Learning through laboratory investigations is emphasized. An independent pre-college research project is required. *A special course fee of \$20.00 will be charged.*

HONORS CHEMISTRY 101/102

Grade 10 or 11 Level H 2 semesters

NCAA
1 credit

Prerequisite: Unweighted 2.5 or above in Honors Biology or teacher recommendation

This course uses a laboratory approach to develop a more in-depth and mathematical study of chemistry. After review of the scientific method and measurement, the following topics are covered first semester: matter and its changes, atomic structure, periodicity, bonding, formulas, equations, the mole concept, and chemical and nuclear reactions. Second semester topics covered include stoichiometry, thermochemistry, the kinetic molecular theory of matter, the gas laws, and acid base theory. Laboratory work is an integral part of this course. An independent pre-college research project is required. *Summer work is required.*

AP PHYSICS I 101/102

Grade 11 or 12 Level AP 2 semesters



NCAA
1 credit

Prerequisite: Unweighted 2.5 or above in prior Honors Science and Math classes, and concurrent enrollment in Honors Algebra II/Trig or higher

This course is the equivalent to a first-semester college course in Algebra-based Physics. Topics covered include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound; electrostatics and electric circuits. This course places an emphasis on the development of problem solving, laboratory investigations and independent study. An independent pre-college research project is required. *Summer work is required.*

AP CHEMISTRY 201/202



NCAA

Grade 11 or 12

Level AP

2 semesters

1 credits

Prerequisite: Unweighted 3.5 or above in Chemistry or Honors Chemistry and Algebra II/Trig and teacher recommendation

This course expands upon the concepts presented in Chemistry and Honors Chemistry.

By the end of the first semester, students will understand and be able to apply mathematical solutions to problems involving atomic structure and properties, periodicity, nuclear chemistry, making and naming compounds, reactions, stoichiometry and related concepts, thermochemistry, and states of matter and concentration. At the end of the second semester, students will understand and be able to apply mathematical solutions to problems involving chemical equilibria, kinetics, electrochemistry, oxidation and reduction systems, and basic organic and biochemistry. Laboratory investigations and independent study are an integral part of the course. Summer work is required.

AP BIOLOGY 201/202



NCAA

Grade 11 or 12

Level AP

2 semesters

1 credits

Prerequisite: Unweighted 2.5 or above in previous Honors Science classes and teacher recommendation

This course covers the content of a first-year college course for biology majors. Some of the topics covered in first semester include basic chemistry and biochemistry, cell structure and function, energy transformations in living organisms, and ecology. The second semester will cover the characteristics of the animal kingdom: nutrition, gas exchange, transport, excretion, reproduction, nervous systems and sense organs, muscular and skeletal systems, the endocrine system and behavior. Other aspects of the plant kingdom will also be studied including growth, nutrition, regulation, response, and flowering. Finally, basic principles of ecology will be discussed. Laboratory investigations and independent study are an integral part of the course.

ELECTIVES

ECOLOGY

Grade 11 or 12

Level CP

1 semester

NCAA

½ credit

Prerequisite: Two years of Science

This course will present the biotic aspects of an ecosystem. Topics will also include: populations, sustainability, renewable and non-renewable resources, invasive species and climate. The students will develop an understanding of what an ecosystem is and the elements that determine the types and numbers of organisms that live there within their particular biomes. The course will also look at the role humans have had in changing each of these biomes and the impact these changes have had on the world.

ZOOLOGY

Grade 11 or 12

Level CP

1 semester

NCAA

½ credit

Prerequisite: Two years of Science

This course explores the tremendous diversity of animal life and their inter-connectedness of different animal species. The course will explore the classification and characteristics of all the animal phyla, with an emphasis on the evolution of animals and the adaptations that have allowed such diversity to flourish. Covering the major phylums of invertebrates and vertebrates including: sponges, sting cell animals, worms, mollusks, fish, birds, and mammals. This course is appropriate for students that want to go into a branch of animal science or students that want a better understanding of animal science and zoology.

MICROBIOLOGY



NCAA

Grade 11 or 12

Level AC

1 semester

½ credit

Prerequisite: 2.5 or above in Sch. Biology and Chemistry; 2.0 or above in Honors Biology or Honors Chemistry

This course involves the study of microbes, their environments, and their application in today's world. Laboratory work is an essential part of this course as students learn to perform the techniques used in the field of microbiology. This course is designed to help prepare students for biology careers or to increase their awareness of the importance of microorganisms in their lives.

ANATOMY AND PHYSIOLOGY 101/102

Grade 11 or 12 Level AC 2 semesters

NCAA
1 credit

Prerequisite: 2.5 or above in previous Biology and Chemistry and no previous Human Biology coursework

This course is an in-depth study of the structure and function of the human organ system which starts with a review of the cell and biochemistry and continues with the tissues, skeletal, muscular, cardiovascular, respiratory, lymphatic, digestive and nervous systems. Lab work, both dissection and use of the Vernier probes to measure physiological changes in the body in response to external stimuli, is integral to the course. This course is designed to prepare students for further study of health related or medical careers, but is appropriate and beneficial to any student who desires to better understand the functioning of the human body.

HONORS PHYSICS II 201/202

Grade 12 Level H 2 semesters



NCAA
1 credit

Prerequisite: Unweighted 2.5 or above in Physics I and teacher recommendation

This course continues the first-year college course in Physics by examining the topics of fluid mechanics, heat, thermodynamics, rotational equilibrium, and dynamics. Second semester topics include electrostatics, magnetism, optics, and modern physics. Topics from Physics I will be integrated into class topics throughout the year. Mathematical competence is expected at the Pre-Calculus level. Laboratory investigations are emphasized as a method for understanding applied concepts.

SOCIAL STUDIES

Social Studies courses are divided into four main areas. Each area includes courses designed to meet the needs of students with various backgrounds and abilities. In each of these courses certain skills will be stressed, including critical thinking, interpretation of charts, graphs, pictures, maps, cartoons, and statistics relating the past to the present, note taking and outlining, reading comprehension, vocabulary development, understanding cause and effect, and written and oral expressions of ideas. Current technology will also be used to supplement the learning process highlighting the importance of research.

The Social Studies Department requires that Global Studies be taken freshman year. Both courses are designed to provide a good foundation in note-taking, outlining, research, and discussion techniques. These skills should assist the student in achieving success in other Social Studies courses.

GLOBAL STUDIES 101/102

Grade 9 Level CP 2 semesters

NCAA
1 credit

Prerequisite: Recommendation from Guidance Department

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

U.S. HISTORY 101/102

Grade 10 Level CP 2 semesters

NCAA
1 credit

Prerequisite: Global Studies

The first semester will be a study of America's colonial beginnings, its development as a nation, and the economic and social conflict leading to and following the Civil War. The effect of the western expansion and industrialization on the American identity will also be studied. The second semester will trace the emergence of the U.S. as a world power through early 20th century expansion overseas, World War I, and World War II. The decade of prosperity in the 1920's will be contrasted with the decade of poverty and despair of the 1930's. Students will focus on the ever-changing role of the U.S. in international affairs since World War II. They will also explore the changes in a society affected by a knowledge explosion in science, technology, transportation, and communication. Topics of interest in foreign affairs include the Cold War, the Korean and Vietnam conflicts, the Cuban Missile Crisis, the Camp David Accords, and the hostage crisis in Iran. Domestic developments to be studied include Watergate, the space and arms race, the civil rights movement, and the energy crisis.

GOVERNMENT

Grade 11 Level CP 1 semester

NCAA
½ credit*Prerequisite: Global Studies and U.S. History*

This course will help prepare the student for the social, economic, and political pressures of the modern age by examining the role of the individual in local, state, and national government. The general structure and function of government will be studied, as well as the place of political parties, lobbies, and pressure groups in the American political system.

Personal involvement will be encouraged, as the need to stay informed, to vote, and to require accountability of public officials are stressed.

ELECTIVES**CURRENT EVENTS**

Grade 11 or 12 Level CP 1 semester

NCAA
½ credit*Prerequisite: None*

Through the use of a weekly news magazine, this course will focus on current events taking place in the world. Students will gain insights into the many diverse issues facing our modern world.

MODERN HISTORY THROUGH FILM

Grade 11 or 12 Level CP 1 semester

NCAA
½ credit*Prerequisite: None*

Students will be able to analyze historical and cultural aspects of society through the eyes of particular media. Students will spend a quarter analyzing particular sources that describe events in history, going from the Civil War until modern day. Students will then spend the second quarter analyzing how the media reflects/influences the culture of the time period. As a final project/exam, students will present to the class on a particular topic that they will research and analyze themselves.

INTRODUCTION TO PSYCHOLOGY

Grade 11 or 12 Level CP 1 semester

NCAA
½ credit*Prerequisite: None*

This course involves the study of human behavior. Topics in this class include the development of psychological theories, biological effects on behavior, theories of personality, development over the life span, behavior in social and cultural context, and psychological disorders and approaches to treatment. The class seeks to develop the student's curiosity about human behavior.

INTRODUCTION TO SOCIOLOGY

Grade 11 or 12 Level CP 1 semester

NCAA
½ credit*Prerequisite: None*

Sociology is the study of human society and social interaction. This course will focus on theories of sociological behavior, components of culture, structure and types of groups in society, and problems society faces. Poverty, discrimination, the elderly, juvenile delinquency, the criminal justice system, drug abuse, and alcoholism will be studied.

INTRODUCTION TO ECONOMICS

Grade 11 or 12 Level AC 1 semester

NCAA
½ credit*Prerequisite: Completion of or enrolled in Algebra II/Trig**This course will satisfy the graduation requirement for earning ½ credit in Financial Literacy.*

This course is designed to introduce the student to the national economic system. An overall view of the principles and problems of our American economy will be examined, along with the role of the federal government and the Federal Reserve. The application of math skills will be used to understand and solve problems dealing with supply and demand, interest rates, dividends, taxes, budgets, and the buying and selling of stocks and bonds.

HONORS SEQUENCE

In all of these courses, certain basic skills will be stressed. The skills are as follows: critical thinking, methods of analysis and evaluation, and clear and concise written and oral expression. Readings may be required in preparation for these courses. Students will be recommended for the Honors and AP courses based on the following criteria:

1. Recommendation by Social Studies Department and/or counselor.
2. A minimum grade point average of 2.5 in Social Studies courses.
3. High School Placement Test scores.
4. Interest and acceptance of the program.

HONORS GLOBAL STUDIES 101/102

Grade 9 Level H 2 semesters

NCAA
1 credit

Prerequisite: Recommendation from Guidance Department

This course involves a more in-depth study of world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

HONORS U.S. HISTORY 101/102

Grade 10 Level H 2 semesters

NCAA
1 credit

Prerequisite: Unweighted 2.5 in Honors Global Studies or teacher recommendation

The first semester will provide an in-depth study of the growth and development of the United States from the pre-Revolutionary period to the 20th century. Emphasis is placed on major trends and significant developments, as well as on contributions of persons who have shaped our country. The class will include audio-visual presentations, reading and interpreting of primary sources, and class discussions. The second semester will focus on the forces that helped shape our country. Industrial and political development, formation and change of foreign policy, and men and women who contributed to the philosophy and enrichment of democracy are overall areas of concentration. Special emphasis will be put on the relationship of historical events to modern day problems and trends. The Cold War, the turbulence of the late 1950's and 1960's in regard to Civil Rights, the Vietnam War and its impact on America, and the Presidential administrations of Nixon, Ford, Carter, and Reagan will be studied. The student will be challenged through the use of primary sources, research material, class discussion, supplemental reading, report writing, and the analysis and evaluation of historical events.

HONORS GOVERNMENT

Grade 11 Level H 1 semester

NCAA
½ credit

Prerequisite: Unweighted 2.5 in Honors US History or teacher recommendation

This course involves an in-depth study of the structure and function of the federal, state, and local governments. Political parties and the role of the individual in American democracy will be studied. Examination of current political issues will also be a part of this course. Class discussion and involvement in the democratic process will be stressed.

ADVANCED PLACEMENT SEQUENCE

AP HUMAN GEOGRAPHY 101/102

Grade 9, 10, 11, or 12 Level AP 2 semesters

NCAA
1 credit

Prerequisite: 9 – Recommendation from Guidance Department; 10-12 – Teacher recommendation

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

AP U.S. HISTORY 101/102

Grade 10 Level AP 2 semesters

NCAA
1 credit*Prerequisite: Teacher recommendation*

The first semester course will provide an in-depth study of U.S. history from colonial times through Jacksonian Democracy. The second semester course will provide an in-depth study of U.S. history from Jacksonian Democracy to present. Extensive reading of primary and secondary sources, research projects, and the writing of analytical essays are essential elements of the course.

AP GOVERNMENT 101/102

Grade 11 Level AP 2 semesters

NCAA
1 credit*Prerequisite: Teacher recommendation*

The first semester course will provide extensive study of the U.S. Constitution, the federal system, and state and local governments. Political parties, interest groups, elections, and voter behavior will also be studied. Outside reading, the writing of essays, research reports, and discussion are essential elements of this course. The second semester course will provide an extensive study of the U.S. Congress, Presidency, and Judiciary. Additional topics will include bureaucracy, civil liberties, and U.S. foreign policy.

AP MACROECONOMICS

Grade 11 or 12 Level AP 1 semester

NCAA
½ credit*Prerequisite: Honors Algebra II/Trig and teacher recommendation**This course will satisfy the graduation requirement for earning ½ credit in Financial Literacy.*

This course will focus on macroeconomic concepts and the analytical skills necessary to understand how the economy operates and the consequences of various approaches to solving complex economic problems. Fundamental topics such as the world economy, unemployment, inflation, economic growth, comparative advantage, productivity, aggregate supply and demand, national income, monetary and fiscal policy, banking, scarcity, and opportunity costs will be introduced.

AP PSYCHOLOGY

Grade 11 or 12 Level AP 1 semester

NCAA
½ credit*Prerequisite: Teacher recommendation*

The purpose of the Advanced Placement course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

WORLD LANGUAGES

The study of World Languages (languages other than English) provides opportunities to learn another language while enhancing awareness of cultural differences. Students reinforce language skills through a combination of reading, writing, listening, and speaking. We aim to develop fluency and cultural awareness thus enabling our students to compete in an increasingly globally interdependent economy. Additional benefits include higher ACT and SAT scores, improved critical thinking skills, and advantages in the college and job market. Many colleges require at least two years of a World Language and some recommend three or four years.

Placement tests are given in the spring and fall to determine course level placement of language. After successful completion of the first semester of the course, students will receive credit for preceding course(s). This credit will not be included in the overall GPA.

FRENCH 101/102

Grade 9, 10, 11, or 12 Level CP 2 semesters

NCAA
1 credit*Prerequisite: None*

This course is designed to introduce and develop communication and comprehension skills in the French language learned through the study of adapted and authentic materials. Emphasis is on simple conversations and readings moving into the fundamentals of French grammar. Supplemental materials are used to introduce cultural concepts. *A special course fee of \$20.00 will be charged.*

FRENCH 201/202

Grade 10, 11, or 12 Level CP 2 semesters

NCAA
1 credit*Prerequisite: Successful completion of French 101 & 102*

Students will strengthen the reading, writing, speaking and listening skills introduced in French 101/102 through various conversation and composition activities. Students will gain a greater appreciation of French culture through a variety of classroom activities using authentic resources. Students will be able to compose writings and hold guided conversations in various tenses. *A special course fee of \$20.00 will be charged.*

FRENCH 301/302

Grade 11 or 12 Level AC 2 semesters

NCAA
1 credit*Prerequisite: 2.0 or above in French 202 is recommended and teacher recommendation*

This course focuses on a brief review of fundamental vocabulary and grammar learned in French 201/202 before beginning more advanced studies. Students will write guided paragraphs and read adapted selections by French writers. Oral fluency will be enhanced through a variety of more creative communicative activities such as skits, controlled conversations, and class discussions of current events. Students will begin exploring the lives and cultures of French-speaking peoples through various classroom presentations. *A special course fee of \$20.00 will be charged.*

AP FRENCH LANGUAGE & CULTURE 101/102

Grade 12 Level AP 2 semesters

NCAA
1 credit*Prerequisite: 2.0 or above in French 302 is recommended and teacher recommendation*

In this course, students will learn about contemporary Francophone societies and cultures by examining their products, practices and perspectives through thematic study. Students will use authentic sources such as newspaper and magazine articles, websites, films, music, video clips, blogs, podcasts, stories, and literary excerpts in French to develop language skills and communicative proficiency in real life settings. Students will build communication skills through regular class discussion, one-on-one conversation, collaboration with classmates, role plays, email responses, essay and journal writing, and oral presentations. *A special course fee of \$20.00 will be charged.*

LATIN 101/102

Grade 9, 10, 11, or 12 Level CP 2 semesters

NCAA
1 credit*Prerequisite: None*

This class is designed to introduce the student to the basics of listening, speaking, writing, and reading in Latin. Emphasis is on simple readings, fundamental grammar, and Latin's effect on English and other languages. The class will also present a survey of Roman history and culture. *A special course fee of \$25.00 will be charged.*

LATIN 201/202

Grade 10, 11, or 12 Level CP 2 semesters

NCAA
1 credit*Prerequisite: Successful completion of Latin 101 & 102*

In this class, the student will strengthen their reading ability by continued study and review of vocabulary and forms and by oral and written drills. Latin selections about mythology and Roman culture will be read. *A special course fee of \$25.00 will be charged.*

LATIN 301/302

Grade 11 or 12 Level AC 2 semesters

NCAA
1 credit*Prerequisite: 2.0 or above in Latin 202 is recommended and teacher recommendation*

The student will continue their study of grammar and learn new vocabulary advancing to authentic Latin text. The student will concentrate on Latin prose works, including readings of historical, cultural, and mythological interest. Further study of the culture and history of Rome will be stressed. *A special course fee of \$25.00 will be charged.*

ONLINE ACCELERATED LATIN 301/302

Grade 10, 11, or 12 Level AC Summer 1 credit

Prerequisite: 3.0 or above in Latin 202 or teacher recommendation

The student will continue their study of grammar and learn new vocabulary advancing to authentic Latin text. The student will concentrate on Latin prose works, including readings of historical, cultural, and mythological interest. Further study of the culture and history of Rome will be stressed through primary source study. Students must have daily access to the Internet and Microsoft Office (Word, Excel, and PowerPoint) or Google Suite. Students will also need a copy of the Latin for the New Millennium Book 2 text. Each student is required to spend a minimum of 120 hours (independently) to fulfill the minimum course requirements. All course requirements and grades are available on an Online Learning Management System (Blackboard is currently being used).

HONORS LATIN 401/402Grade 12 Level H 2 semesters **NCAA**
1 credit*Prerequisite: 2.0 or above in Latin 302 is recommended and teacher recommendation*

The focus of this course is Roman literature that reflects the late Republic and early Principate periods. Students will translate, analyze, and discuss selections from Latin prose and poetry. Grammar review and vocabulary study will focus on developing students' sight-reading ability in Latin. Additionally, students will begin learning to interpret ancient primary source materials in historical research. Students will be required to purchase a dictionary. *A special course fee of \$15.00 will be charged.*

AP LATIN LANGUAGE AND CULTURE 101/102Grade 12 Level AP 2 semesters **NCAA**
1 credit*Prerequisite: 2.0 or above in Latin 302 is recommended and teacher recommendation*

The AP Latin course focuses on in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallic War*. The course requires students to prepare and translate the readings and places these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context. *A special course fee of \$20.00 will be charged.*

SPANISH 101/102Grade 9, 10, 11, or 12 Level CP 2 semesters **NCAA**
1 credit*Prerequisite: None*

The Spanish 101/102 curriculum develops topical vocabulary and enhanced grammatical concepts. Students will develop skills in listening, speaking, reading and writing. The course will focus on vocabulary, pronunciation, grammar, and culture. This course offers opportunities for application of synthesis and higher evaluation skills. The Spanish 101/102 class is for students who are interested in pursuing higher learning opportunities. *A special course fee of \$20.00 will be charged.*

SPANISH 201/202Grade 10, 11, or 12 Level CP 2 semesters **NCAA**
1 credit*Prerequisite: Successful completion of Spanish 101 & 102*

The student will continue developing advanced listening, speaking, reading and, writing skills in Spanish. An intensified grammar and vocabulary selection will be presented and reinforced. Students will engage in activities that enhance their higher-level thinking skills and global awareness by connecting and comparing their language and community. Additional Hispanic culture will have an integral role in this course. This level of Spanish begins to be instructed in Spanish. *A special course fee of \$30.00 will be charged.*

SPANISH 301/302Grade 10, 11, or 12 Level AC 2 semesters **NCAA**
1 credit*Prerequisite: 2.0 or above in Spanish 202 is recommended and teacher recommendation*

The student will continue advanced listening, speaking, reading, and writing in Spanish beyond the classroom. Grammar topics are reviewed and vocabulary is intensified as the student will be able to use their language in written and oral reports that reflect their lives. Students will use their second language to collaborate and compare Hispanic cultures to their own communities. Students will also begin to interact with a higher cultural competence and understanding, enhancing their global awareness and higher-level thinking skills. This level of Spanish is taught predominantly in Spanish. *A special course fee of \$35.00 will be charged.*

HONORS SPANISH CULTURE 101

Grade 11 or 12 Level H 1 semester

NCAA
½ credit*Prerequisite: 2.0 or above in Spanish 302 is recommended and teacher recommendation*

This Spanish 4 class is an honors course which emphasizes reflective thinking and proficient communication within its thematic units covering Hispanic culture in various Spanish speaking countries. This course strengthens more complex grammar constructions within the study of literature and videos. Authentic materials are used to invite discussion, analysis and comparison of both visual and deeper level culture. An integration of the communicative approach with historical, cultural and creative projects allows students to continue to develop their fluency and cultural competence. This course is taught predominantly in Spanish and covers Hispanics in the U.S., pre-Columbian civilizations, Mexico, the Caribbean, Christmas and New Year traditions. A special course fee of \$10.00 will be charged.

HONORS SPANISH CULTURE 102

Grade 11 or 12 Level H 1 semester

NCAA
½ credit*Prerequisite: 2.0 or above in Spanish 302 is recommended and teacher recommendation (Honors Spanish Culture 101 first semester is not required to take Honors Spanish Culture 102 second semester).*

This Spanish 4 class is an honors course which emphasizes reflective thinking and proficient communication within its thematic units covering Hispanic culture in various Spanish speaking countries. This course strengthens more complex grammar constructions within the study of literature and videos. Authentic materials are used to invite discussion, analysis and comparison of both visual and deeper level culture. An integration of the communicative approach with historical, cultural and creative projects allows students to continue to develop their fluency and cultural competence. This course is taught predominantly in Spanish and covers Easter traditions, Spain, Spanish art and Central and South America. A special course fee of \$10.00 will be charged.

AP SPANISH LANGUAGE & CULTURE 101/102

Grade 11 or 12 Level AP 2 semesters

NCAA
1 credit*Prerequisite: 2.0 or above in Spanish 302 is recommended and teacher recommendation.*

The AP Spanish Language and Culture course, conducted exclusively in Spanish, provides frequent opportunities for students to integrate the four language skills--listening, reading, writing and speaking--through the use of authentic materials. Instructional materials, activities, assignments, and assessments are appropriate to a college-level course. Grammar topics are reviewed and practiced with a more in-depth approach, focusing strongly on synthesis of ideas and concepts. Likewise, topical vocabulary is strengthened and utilized in thematic and practical contexts. All skill sets are geared toward the administration of AP-level assessments, including interpersonal and presentational writing and speaking. *A special course fee of \$40.00 will be charged.*