

Woods Charter School

High School Course Catalog 2018-19



Review the courses available and consider what classes you want next year.

Priority registration for rising seniors: 1/3/18 - 1/8/18

Registration for rising G10 & G11: 1/8/18 - 1/15/18

Graduation Requirements - 22 Required Credits

English	I, II, III, IV [or AP Literature and Composition]	4
Math	1, 2, 3, plus one advanced course	4
Social Sciences	World History, Civics and Economics, US History, plus one elective	4
Science	Biology, Chemistry, Environmental Science	3
World Language	French I, II, III or Spanish I, II, III	3
Physical Education	Healthful Living	1
Electives	Student-selected	3

Things to note:

Sign up through the [PowerSchool Parent/Student Portal](#)

Both parents and students are able to make changes in the course selections.

If you have trouble accessing PowerSchool, please email powerschool@woodscharter.org.

Course offerings are decided based upon availability of teachers and interest of students; not all courses are offered every year. Final offerings to be determined.

Regular, honors, and AP have classes separate course descriptions in the catalog. They may or may not operate with mixed levels.

If you sign up for an honors or AP course and do not meet the required prerequisites by the end of the current school year then you may be placed into a different class.

WCS MIDDLE AND HIGH SCHOOL MATH SEQUENCE

	7 TH	8 TH	9 TH	10 TH	11 TH	12 TH
SEQUENCE 1	Math 7	Math 8	NC Math 1	NC Math 2	NC Math 3	<u>Precalculus</u> or Discrete Math or Math Modeling
SEQUENCE 2	Math 7	NC Math 1*	NC Math 2	NC Math 3	<u>Precalculus</u>	AP Calculus AB or AP Statistics or Discrete Math
SEQUENCE 3	NC Math 1*	NC Math 2	NC Math 3	<u>Precalculus</u>	AP Calculus AB	AP Statistics or AP Calculus BC or Discrete Math

*These are high school courses.

Note: Middle School NC Math 1 placement based primarily on NC EVAAS (Education Value-Added Assessment System) data and on Woods regular classroom assessments and teacher recommendations. Deviations from this sequence will be considered on an individual basis.

ENGLISH/LITERATURE

English I (10212X0)

This course explores a central narrative theme: what it means to come of age. Through reading, writing, and class discussion, we will seek to understand our changing place in school, society, and at home, while examining differing perspectives on the complexities of adolescence.

English I Honors (10215X0)

English I Honors requires independent, out-of-class reading and writing. Students should be prepared to manage their time, self-motivate, and observe deadlines. Honors students participate in the standard class and read complex texts, participate in formal graded discussions and complete reading responses in addition to regular coursework.

Prerequisites: Minimum B grade in 8th Grade English or the permission of the instructor, plus an essay explaining why honors is an appropriate choice (details given during the first week of class).

English II (10222X0)

English II focuses on world literature to widen the literary landscape for sophomores. Our units begin with an investigation of culture, working toward a definition and an understanding of the commonalities and differences among human cultures as represented in literature, media, and non-fiction from around the world.

English II also allows students to consider their academic needs and interests. In addition to reading and writing, students will establish personal course goals and survey their own progress.

Prerequisite: Successful completion of English I

English II Honors (10225X0)

Students enrolled in English II Honors will independently read and respond to approximately five novels throughout the year in addition to regular coursework. All Honors reading and writing takes places outside of class. Students should be prepared to manage their time, self-motivate, and observe deadlines.

Prerequisites: Minimum B grade in English I or the permission of the instructor.

English III (10232X0)

This course explores important works of American literature with the hope that this exploration will deepen students' thinking about key questions in American life: What defines American culture? Is the American Dream a reality? What does it mean to be an American?

Prerequisite: Successful completion of English II

English III Honors (10215X0)

English III Honors requires independent, out-of-class reading and writing. Students should be prepared to manage their time, self-motivate, and observe deadlines. Honors students participate in the standard class and read complex texts, participate in formal graded discussions and complete reading responses in addition to regular coursework.

Prerequisites: Minimum B grade in English II or the permission of the instructor.

English IV (10242X0)

Students enrolled in English IV continue to increase and refine their writing skills. The course is a study of literature from the old English period, medieval period, English renaissance, romantic period, Victorian period, and modern and postmodern period. English IV combines MLA research skills and extensive essay writing. Literary criticism will be expanded.

Prerequisite: Successful completion of English III.

English IV Honors (10245X0)

Students enrolled in English IV Honors will independently read and respond to approximately five novels throughout the year in addition to regular coursework. All Honors reading and writing takes place outside of class. Students should be prepared to manage their time, self-motivate, and observe deadlines.

Prerequisites: Minimum B grade in English III or the permission of the instructor.

AP Literature and Composition (1A017X0)

AP British Literature and Composition is the culmination of English studies at Woods and follows the curricular requirements described in the AP English Course Description published by the College Board. It is designed as a rigorous freshman college/university course that "engages students in the careful reading and critical analysis of imaginative literature." By the end of the year, we will have studied works written in several genres by British authors and written extensively on what we've read.

Prerequisites: Strong performance in English I-III and the permission of the instructor. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

WORLD LANGUAGES

Spanish I (11412X0)

This course emphasizes the sound system of the language and sentence patterns for expression and comprehension of basic communication functions. Mastery of frequently used vocabulary is developed via skills of listening, speaking, reading, and writing. Culture, geography, history and traditions of Latin America are integral parts of the course.

Spanish II (11422X0)

This course builds on the basic knowledge of Spanish learned in Spanish I, bringing students to an intermediate level of written and spoken Spanish. Topics studied include: travel, daily activities, giving commands, and talking about past events. Culture, history and geography of Latin America are parts of the course.

Prerequisites: Satisfactory completion of Spanish I and permission of the teacher.

Spanish III Honors (11435X0)

This course is designed to give students an advanced understanding of the Spanish language through the study of geography, history and culture of Spain. Students will apply rules of grammar, verbs, and vocabulary to writing and speaking assignments.

Prerequisites: Satisfactory completion of Spanish II and permission of the teacher.

Spanish IV Honors (11445X0)

This course is for students who wish to continue their studies in Spanish and increase fluency in reading, writing, listening, and speaking. Students will continue to increase their Spanish vocabulary, work through advanced Spanish grammar, read a sampling of Spanish literature, and continue their exposure to Spanish and Latin American history and culture. Spanish will be the official language of the course, and will be spoken almost exclusively.

Prerequisites: Satisfactory completion of Spanish III and permission of the teacher.

Spanish V Honors (11455X0)

This Honors Spanish course is intended for students who have demonstrated excellence in Spanish and wish to continue with language acquisition but who are seeking an *alternative* to a rigorous AP course and who elect to *not* take the AP exam yet or at all. The basis of the course is similar to the AP course with an intensive grammar review, frequent readings from a variety of sources, including collections of Spanish and Latin American short stories and periodicals. This course however will focus more on conversational Spanish with a variety of auditory and oral assessments. Spanish will be the official language of the course, and will be spoken exclusively.

Prerequisites: Satisfactory completion of Spanish IV and/or permission of the teacher.

AP Spanish Language and Culture (1A087X0)

The AP Spanish Language course is intended for students who have demonstrated excellence in Spanish and wish to take the AP Language exam. This course is organized thematically. The basis of the course is an intensive grammar review, frequent readings from a variety of sources, including collections of Spanish and Latin American short stories and periodicals. In addition, there will be continuous vocabulary acquisition, daily auditory practice and interpersonal and presentational speaking and writing. Spanish will be the official language of the course, and will be spoken exclusively.

Prerequisites: Satisfactory completion of Spanish IV and permission of the teacher. In addition, there will be summer assignments which must be completed at an advanced level. AP students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

French I (11012X0)

This course emphasizes the sound system of the language and sentence patterns for expression and comprehension of basic communication functions. Mastery of frequently used vocabulary is developed via skills of listening, speaking, reading, and writing. Culture, dealing with everyday situations as well as appreciating history and traditions, is an integral part of the course.

French II (11022X0)

This course is designed to move students from the basic knowledge of French learned in French I to an intermediate level through reading and storytelling. Culture, dealing with everyday situations as well as appreciating history and traditions, is an integral part of the course.

Prerequisites: Satisfactory completion of French I and permission of the teacher.

French III Honors (11035X0)

This course is designed to give students an advanced understanding of the French language through reading, storytelling and composition. Students will apply rules of grammar, verbs and vocabulary to writing and speaking assignments.

Prerequisites: Satisfactory completion of French II and permission of the teacher.

French IV Honors (11045X0)

This course is meant for students who wish to continue their studies in French and increase fluency in reading, writing, listening, and speaking. Students will continue to increase their French vocabulary, work through advanced grammar, read a sampling of Francophone literature from a variety of writers and time periods, and continue their exposure to French and Francophone culture. French will be the official language of the course, and will be spoken almost exclusively.

Prerequisites: Satisfactory completion of French III and permission of the teacher.

French V Honors (11055X0)

The Honors course is for students who wish to continue with language acquisition but who elect to not take the AP exam. Class activities include intensive grammar review; frequent readings from a variety of sources, including short stories, poetry, newspaper articles, excerpts from theater and novels; continuous vocabulary acquisition; and daily auditory and oral practice. French will be the official language of the course, and will be spoken exclusively.

Prerequisites: Satisfactory completion of French IV and permission of the teacher.

AP French Language and Culture (11057X0)

The AP French Language course is intended for students who have demonstrated excellence in French and wish to take the AP Language exam. The course is organized thematically. Class activities include intensive grammar review; frequent readings from a variety of sources, including short stories, poetry, newspaper articles, excerpts from theater and novels; continuous vocabulary acquisition; and daily auditory and oral practice. In addition, there will be interpersonal and presentational speaking and writing. French will be the official language of the course, and will be spoken exclusively.

Prerequisites: Satisfactory completion of French IV and permission of the teacher. AP Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

MATHEMATICS

NC Math 1 (21032X09)

This course establishes a foundation in algebraic concepts and problem solving. It serves as a preparation for NC Math 2 (formerly known as Geometry) and NC Math 3 (formerly known as Algebra II). Upon completion, students should be able to utilize appropriate technology in order to solve course content problems. Topics include equations, graphing, inequalities, polynomials, factoring, functions, radical expressions, order of operations, simplifying expressions, and statistics.

NC Math 2 (22012X0)

NC Math 2 continues a progression of the standards established in NC Math 1. In addition to these standards, NC Math 2 includes polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.

Prerequisite: Successful completion of NC Math 1

NC Math 2 Honors (22015X0)

NC Math 2 continues a progression of the standards established in NC Math 1. In addition to these standards, NC Math 2 includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions. In addition, students will fulfill honors requirements for the class.

Prerequisites: Successful completion of NC Math 1 with a final grade of B or higher or teacher recommendation

NC Math 3 (23012X0)

NC Math 3 continues a progression of the strands established in NC Math 1 and NC Math 2. NC Math 3 extends to include algebraic concepts such as the complex number system, inverse functions, logarithmic functions, inverse functions, higher degree polynomial functions, rational functions, trigonometric functions and the unit circle. Conics, circles and geometric proofs are the geometric concepts in NC Math 3. NC Math 3 serves as a preparation for precalculus and higher level mathematics.

Prerequisite: Successful completion of NC Math 2

NC Math 3 Honors (23015X0)

NC Math 3 continues a progression of the strands established in NC Math 1 and NC Math 2. NC Math 3 extends to include algebraic concepts such as: the complex number system, inverse functions, logarithmic functions, inverse functions, higher degree polynomial functions, rational functions, trigonometric functions and the unit circle. Conics, circles and geometric proofs are the geometric concepts in NC Math 3. NC Math 3 serves as a preparation for pre-calculus and higher level mathematics. In the honors section, more challenging problems will be assigned on assignments and assessments.

Prerequisites: Successful completion of NC Math 2 with a B or higher or teacher recommendation

Precalculus Honors (24035X0)

This course serves as a solid preparation for Calculus and advanced study in mathematics. It is a rigorous course which will reinforce NC Math 3 concepts and undertake a full study of Trigonometry. Topics include equations, linear systems and relations, polynomials, rational functions, exponential and logarithmic functions, and trigonometry.

Prerequisite: Successful completion of NC Math 3

AP Calculus AB (2A007X0)

This course is designed to develop an understanding of the concepts of calculus and provide experience with its methods and applications. The course represents a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations are also important. This course is intended to mirror the academic demands of a university or college calculus course.

Prerequisites: Successful completion of Precalculus. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

AP Calculus BC (2A017X0)

This advanced course covers topics in single variable differential and integral calculus that include the study of functions, limits, derivatives, integrals, and infinite series. These topics are typically part of a first-year college Calculus I and Calculus II two-semester course sequence. Special emphasis will be given to applications of the derivative and integral. The course prepares students to succeed on the AP Calculus BC exam and subsequent courses that draw on material from this course.

Prerequisites: AP Calculus AB; instructor approval. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

AP Statistics (2A037X0)

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Prerequisites: Successful completion of Precalculus, or NC Math 3 with teacher permission. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

Discrete Mathematics (24012X0)

This course introduces students to the mathematics of networks, social choice, and decision making as well as linear algebra, statistics, and probability. Applications and modeling are central in this course. This is a non-algebra based course that is substantially different in content than previous math courses. Applications will be drawn from areas such as voting, social networking, scheduling, and apportionment.

Prerequisite: Successful completion of NC Math 3

Discrete Mathematics Honors (24015X0)

This course introduces students to the mathematics of networks, social choice, and decision making as well as linear algebra, statistics, and probability. Applications and modeling are central in this course. This is a non-algebra based course that is substantially different in content than previous math courses. Applications will be drawn from areas such as voting, social networking, scheduling, and apportionment. In addition students will complete honors requirements for the course that extend and enhance the curriculum according to student and instructor interests.

Prerequisite: Successful completion of NC Math 3

Advanced Functions and Modeling (24002X0)

This course explores concepts, principles, and processes of the physical world through the use of mathematical models. Students will build on their knowledge and understanding families of functions including polynomial, rational, exponential, logarithmic and trigonometric. Students will use technology to represent real-world data, create mathematical models using families of functions, and determine the reliability of their models. Problem solving and applications will be emphasized throughout the course. If time allows, additional topics such as sequences and series, graph and network theory, and fractals may be studied.

Prerequisites: Successful completion of NC Math 3. This course is for students who have not taken Precalculus.

Advanced Functions and Modeling Honors (24005X0)

This course explores concepts, principles, and processes of the physical world through the use of mathematical models. Students will build on their knowledge and understanding families of functions including polynomial, rational, exponential, logarithmic and trigonometric. Students will use technology to represent real-world data, create mathematical models using families of functions, and determine the reliability of their models. Problem solving and applications will be emphasized throughout the course. If time allows, additional topics such as sequences and series, graph and network theory, and fractals may be studied. In addition, honors students will be expected to complete honors-level questions on in-class assessments and submit one independent investigation each trimester.

Prerequisites: Successful completion of NC Math 3. This course is for students who have not taken Precalculus.

Computer Science Honors (28005X0)

This course focuses on object oriented programming through the use of java and follows the AP Computer Science curriculum closely. Other subjects covered include programming fundamentals, basic computer architecture, and beginning programming skills. It includes topics such as assignments, loops, arrays, inheritance, polymorphism, and recursion.

Special Topics in Computer Science Honors (28005X0C)

This course is a mix of teacher-facilitated and independent study. Students will select from a variety of topics in computer science to deepen their understanding after taking AP/Honors Computer Science. Students should be independent learners who are willing to select their own projects as determined by their interest in computer science. Possible topics include Python, JavaScript, App programming languages such as C# and Swift, web page design, etc. Students should have successfully completed AP or Honors computer science or have comparable prior experience with computer programming.

Prerequisites: AP or Honors Computer Science

AP Computer Science (2A027X0)

The course is similar to Computer Science but students must demonstrate the following skills in this course: detailed design, commenting, and appropriate coding choices. AP students will have more challenging grading rubrics for programs, more programming assignments, and harder assessments. They will also gain experience with Magpie, PictureLab, and Elevens which are some of the AP Computer Science programming assignments. This course focuses on object oriented programming through the use of java and follows the AP Computer Science curriculum closely. Other subjects covered include programming fundamentals, basic computer architecture, and beginning programming skills. It includes topics such as assignments, loops, arrays, inheritance, polymorphism, and recursion. An AP exam will be taken in May.

Prerequisites: Recommendation of your current advisor and/or academic teacher required. Student should be independent learner, good problem solver and able to organize large amounts of information. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

Math Lab

Math Lab will give students an opportunity to build the skills necessary for success in their high school mathematics coursework, such as mathematical reasoning, algebraic thinking, and fluency with math technology. Student work will be designed to support and extend learning across the high school math curriculum.

Students may only enroll in this course *in conjunction with* their current math course. Upon successful completion of this course, students receive an elective credit (not a mathematics credit.)

SCIENCE

Biology (33202X0)

Biology is the study of living things their origins, metabolism, growth, reproduction, and interaction with their environments. This survey course begins with an overview of chemical compounds and cells as they are organized within the organism, and then considers organism interactions with each other and the environment. Modern genetics and biotechnology topics are discussed in detail including the science and ethical considerations related to stem cell research and bioengineering. Students practice using pipettes and use gel electrophoresis to analyze DNA. There will be a significant laboratory emphasis, with the goal of building scientific literacy and an understanding of scientific process. Students are expected to practice critical analysis incorporating written, oral, mathematical skills.

Biology Honors (33205X0)

This course will be offered as an option in Biology. Honors students will complete an independent research project and complete a preassigned written essay for each of the units of study. There will be alternative reading assignments and (in some cases) alternative homework assignments to enhance the Biology curriculum.

Prerequisites: A- or better in 8th grade science and A- or better in 8th grade English. Student should demonstrate a passion for science, possess strong written and verbal communication skills, and be able to manage project deadlines independently.

Chemistry (34202X0)

Chemistry is the study of matter and the changes that it undergoes. Topics include: atomic theory, the structure of the atom, the periodic table, molecular geometry, chemical reactions, states of matter and energy, stoichiometry, gas laws, solids and solutions, acids-bases and thermochemistry. Upon completing this course students should have a foundation in problem solving skills that can be applied to all sciences.

Chemistry Honors (34205X0)

The honors course is offered in conjunction with General Chemistry but will require additional projects, extra homework and the student will be assessed on a deeper level of understanding of Chemistry.

Prerequisites: Grade of B or better in NC Math 1 and a grade of B or better in Honors Biology or an A- in General Biology. Exceptions will be made with a teacher recommendation from one of these courses.

Environmental Science Honors (35015X0)

Environmental Science pulls together science, politics, economy and ethics. We will focus on how to live on the Earth sustainably, using the Four Principles of Sustainability. In addition, the umbrella theme, if you will, is water. The uniqueness of water on this planet allows for life, but human actions degrade it. Students should come to the course with the following skill set: ability to work in groups, ability to think critically, basic understanding of Chemistry, Biology, NC Math 1 and World History.

Skills that will be honed during this course are written and verbal communication, especially in a scientific framework. A 3 day/2 night trip to the Smoky Mountains (cost is about \$400) is planned for November.

Challenges of Engineering (30202X0E)

This course provides the students with a general understanding of the various types of engineering as well as the hands-on experience related to each type of engineering. For each type of engineering, students will learn the basic principles and theories related to the type and utilize that information to solve a problem. Types of engineering covered include the following: civil, mechanical, electrical, computer, industrial, environmental, chemical, nuclear, and materials science. Some of the project include the following: surveying, bridge testing, computer-aided design and drafting, and analog and digital electronics.

Physics Honors (34305X0)

This course is modeled after an introductory algebra-based physics course. Its emphasis is equally divided between developing a conceptual understanding of the major topics of physics and developing problem solving skills in those topic areas. Students will design and create numerous projects throughout the year such as catapults, mobiles, and cars. Algebra and trigonometry will be used extensively throughout. Emphasis will be put on understanding the theories at hand and identifying them in everyday life. A laboratory component accompanies the classroom element in the course. The student will demonstrate entry-level proficiency typical of a first year physics course on the following topics:

- a) Newtonian Mechanics (the motion of objects)
- b) Classical Thermodynamics (the nature of heat)
- c) Electricity and Magnetism (including DC electronics)
- d) Optics and Light (reflection and refraction)
- e) Modern Physics (nuclear phenomena)

Prerequisite: Successful completion of NC Math 3

AP Biology (3A007X0)

Advanced Placement Biology is the equivalent of 2 college level introductory Biology courses (a total of 8 college credits), each with a lab component. AP Biology examines the discoveries that shaped our modern understanding of Biology through hands-on experimentation and problem-solving strategies. How can you grow an ear in a dish? How does Biology hold the answers for many of today's problems? How does Biology propose better design of materials and machines? How can we mine large data sets to formulate a better hypothesis about human health or climate change? Those questions and more are addressed in this course. The course includes an extensive component of modern genetics and biotechnology including bacterial transformation, genetic fingerprinting, DNA and protein electrophoresis, polymerase chain reaction (PCR), DNA sequencing and barcoding, DNA microarrays to study complex genetic traits, genetically-modified organisms, and population genetics. Students will use these strategies as a foundation to explore the organization of complex biological systems (e.g. anatomy and physiology and complex ecosystems)

using both computer modeling and traditional wet lab approaches. Throughout the course, students will integrate skills they have developed in Math, Chemistry, Environmental science, and Computer Science. An AP test will be administered in May.

Prerequisites: Successful completion of Biology and Chemistry. Completion of NC Math 3 with a teacher recommendation and concurrent enrollment in Precalculus is a minimum expectation for Math. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

AP Chemistry (3A017X0)

AP Chemistry is designed to be taken only after the successful completion of a first course in high school Chemistry. In this course students learn about the fundamental concepts of chemistry such as structure and states of matter, intermolecular forces, reactions, and how to use chemical calculations to solve problems. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course requires that 25 percent of the instructional time engages students in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are inquiry based). Students will establish lines of evidence and use them to develop and refine testable explanations and predictions of natural phenomena.

Prerequisites: Successful completion of Chemistry and NC Math 3 with a teacher recommendation . Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

AP Environmental Science (3A027X0)

The course is similar to Environmental Science (above) but students should have the following skill set prior to enrolling in this course: ability to write well, ability to think critically, ability to articulate ideas, highly self-motivated and ability to synthesize a variety of information and develop well written, thoughtful conclusions. An AP exam will be taken in May.

Prerequisites: The student should have taken Honors Chemistry and/or Honors Biology with a final minimum grade of B, and Honors English 2 or Honors World History with a final grade of a B better, and are enrolled in NC Math 3. Summer work is required, and students must communicate with the instructor to obtain the work. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

HISTORY and SOCIAL SCIENCES

World History (43032X0)

World History is a required course for 9th grade students. It is a survey course that covers prehistory to the present, giving a basic overview of historical events from every region of the world. The class format will include reading, lectures, discussions, and essay writing. This course is offered as both Regular and Honors.

World History Honors (43035X0)

World History Honors involves more writing than the regular section of World History. Written assignments are typically longer, require more sources, and are graded to a higher standard than those in the regular section of the course. Honors students also have an additional large essay each trimester in addition to periodically having extra and more complex readings. The tests in Honors World History have a greater analytical component than those in regular World History.

Civics and Economics (42092X09)

Civics and Economics is a required course for tenth grade students and covers the foundations, structure, and mechanics of the American government, the government of the state of North Carolina and the economy. In addition, students will learn and discuss a wide range of political and economic policy issues, which will include keeping up with current events. The class format will include reading, lectures, discussions, and essay writing. This course is offered as both Regular and Honors.

Civics and Economics Honors (42095X09)

Civics and Economics Honors involves more writing than the regular section of Civics. Written assignments are typically longer and are graded to a higher standard than those in the regular section of the course. Honors students also have an additional large essay each trimester in addition to periodically having extra readings. The tests in Honors Civics have a greater analytical component than those in regular Civics.

Prerequisites: A/B performance in World History or World History Honors

US History (43012X0)

U.S. History is a required course that covers the entire period of U.S. History from 1492 to the present. It will give all students a basic understanding of how we came to be a nation, the principles upon which our nation was founded, and how those principles have been worked out in a variety of ways in subsequent generations. Students can take this course as Regular or Honors and the amount of work and depth of understanding expected will correspond with the standards of each classification.

Prerequisites: Successful completion of World History and Civics and Economics.

US History Honors (43015X0)

U.S. History Honors fulfills the US History requirement for high school graduation for those who choose to take it at an intermediate level between regular and AP levels. All of the expectations of regular U.S. History above are expected to be fulfilled. In addition, the level of work is expected to be qualitatively higher, there will be more regular weekly homework and tests will be graded at a higher standard. Each year there will be additional extra requirements depending on that year such as extra readings, essays or projects.

Prerequisites: Successful completion of World History and Civics and Economics.

AP US History (4A077X0)

This AP course fulfills the US History requirement for high school graduation for those who choose to take it at this advanced level. The level of expectations is at a college level both in terms of depth of material covered and the maturity required to master it. A moderate summer reading, etc. requirement also must be completed by the start of the school year. The course will cover United States history from its pre-colonial period to the present and culminates in the AP US History exam in May. The course covers all major aspects of American history during that period including: political, diplomatic, intellectual, cultural, economic and social. In addition, the course deals extensively with learning how to read, understand, analyze and interpret a wide variety of both primary and secondary texts together with the maps, graphs and pictorial materials associated with them. The course also aims to help students to put the knowledge and understanding they are gaining into practice through sharpening their oral and written communication skills.

Prerequisites: Successful completion of World History and Civics and Economics, and summer reading. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

History of Human Thought (46062X0)

From the earliest times humans questioned the nature of life and existence. Through the developments of civilization, a variety of perspectives emerged attempting to answer these questions. This non-AP course will trace some of the many threads of human thought from pre-civilization to modern times through the integration of history, philosophy, religion, literature, art, and music. This course aims to demonstrate the way that human beings historically create and share meaning as individuals, as communities, and as cultures through what they document and produce. The course requires substantial amounts of reading. Can be taken as Regular or Honors with corresponding expectations in work quality and workload.

Prerequisite: Successful completion of World History.

History of Human Thought Honors (46065X02)

This section of the course carries additional rigor and higher expectations, including additional reading, longer essays, honors projects, and higher grading standards.

Prerequisites: A/B performance in World History Honors and/or Civics and Economics Honors, or with teacher approval.

AP Comparative Government and Politics (4A007X0)

This course will cover International Relations and Comparative Government Theory and then apply that knowledge to the study of six countries: the United Kingdom, Russia, China, Mexico, Nigeria, and Iran. Students will study the history of political, social, and economic development in each of the six countries, the current structure of the governments, and the political culture and policy debates in those countries today. As this is an AP course, it will require a substantial amount of reading and written work, as well as some work over the summer. An Advanced Placement (AP) Test will be taken in May.

Prerequisites: A/B performance in Civics and Economics (honors preferred) or teacher approval. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

AP European History (4A017X0)

This AP course will cover European history from the Renaissance (c. 1450) to the present and includes the AP European History exam in May. The course covers all major aspects of European history during that period including: political, diplomatic, intellectual, cultural, economic and social. In addition, students will read, understand, analyze and interpret a wide variety of both primary and secondary texts together with the maps, graphs and pictorial materials associated with them. The course aims to help students to put the knowledge and understanding they are gaining into practice through sharpening their oral and written communication skills. As an AP course it requires a good history background and a high level of maturity and commitment to master the material. It also includes a moderate summer reading, etc. requirement that must be completed by the start of the school year.

Prerequisites: Successful completion of World History and Civics and Economics, and summer reading. Students must sit the AP exam in May and pay the fee of approximately \$94. This year, NCDPI is covering the exam fee.

AP Psychology (4A057X0)

This course is an introduction to the science of behavior and mental processes, its history, traditions and current perspectives. This course is comparable to Psychology 101 at the college level, and provides a broad survey of Psychology's many subfields. Substantial reading is expected as well as a high level of maturity and commitment to study, as well as summer assignments. An Advanced Placement (AP) Test will be taken in May.

Prerequisites: A/B performance in Biology and/or courses within the social studies. Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$94.

AP CAPSTONE

AP Capstone coursework includes AP Seminar and AP Research. For more information on how these challenging and innovative new courses develop research and analysis skills, see [A Paradigm Shift from Content to Skills](#).

AP Seminar (0A017X0)

This cross-curricular course offers you the chance to pursue your own questions through advanced research, collaboration, and interdisciplinary inquiry. Investigate real-world topics from multiple perspectives. Collect and analyze information, develop and support arguments, and communicate them through various media. Students will learn to navigate academic databases and use materials like news stories, research studies, primary sources, and literary works to craft compelling and thorough arguments.

The course is an introduction to college-level research methods, and requires students to read, write, collaborate, and present. Three AP-defined components (group project, independent research, and a written exam) will determine your AP score. Open to 10-12 grade students.

*Prerequisites: Prior strong academic performance and permission of the instructor.
Students must sit the AP exam in May. This year, NCDPI is covering the exam fee of \$142.*

AP Research (0A007X0)

In AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic paper.

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Students design, plan, and conduct a year-long research based investigation to address a research question. Students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

*Prerequisites: Students must have successfully completed the AP Seminar course.
Students must sit the AP exam in May and pay the fee of approximately \$142. This year, NCDPI is covering most of the exam fee.*

THE ARTS

Music 101 and Digital Music (52962X0)

Music 101 will cover elements such as musical patterns, rhythm, tonality, and basic composition and notation. Style, expressions and the role of music in the world are also addressed. Through improvisation, composition, analysis, critical listening and performance, the elements of music will be examined for their distinctive roles in music. This course will also delve into computer generated music through use of garageband and other notation software. Musical creativity is necessary for this course.

Vocal Music (52302X0)

The purpose of a high school choir is to cultivate the art of choral music in the lives of students. The students would be exposed to a diverse range of musical styles, ranging from art songs to popular music, and perform for various school events or musical productions. Students will learn about vocal production and how to perform parts of an ensemble. Members will have the opportunity to travel and perform at a choral festival. This class also serves to prepare students interested in pursuing vocal performance beyond high school.

Theatre Arts (53152X0)

This course is an actor-centered investigation of different ways to create and perform Theatre. Students will engage daily in a variety of acting exercises. They will learn basic principles of directing and design using props, costumes, and the body. The focus of the course will narrow when students are tasked with rehearsing and performing scenes. Students will have the option of performing original or published material. This course serves as an actor's creative laboratory. There is very little "homework" for this class, so preparedness (bringing your scripts, knowing your lines) and participation (showing up is half the battle!) are imperative.

Visual Arts (Beginning) (54152X0)

This course emphasizes the development of the creative art process through exposure to, and practice in, various visual art forms and techniques. Students will be introduced to a variety of media through 2- and 3-dimensional approaches. This course introduces techniques for use in several types of media including pencil, charcoal, pastel, watercolor, acrylic and collage. Direct observation of subjects and environments will be emphasized, as will technical skills and drawing techniques. This course also presents specific aspects of color theory (the way in which colors interact with each other) such as additive and subtractive color, and after-image (i.e. observing a color's complement after seeing a specific color). At the conclusion of this course, students are expected to understand elements of composition, color, and design as they apply to a particular work of art. Work should be kept for portfolio.

Visual Arts (Intermediate) (54162X0)

This course builds on Beginning Visual Arts, emphasizing the continued development of the creative art process through exposure to, and practice in, various visual art forms and techniques. Students will continue instruction and practice in a variety of media through 2- and 3-dimensional approaches. This course reviews techniques for use in several types of media including pencil, charcoal, pastel, watercolor, acrylic and collage. Direct observation of subjects and environments will be emphasized, as will technical skills and drawing techniques. This course also continues study of color theory. At

the conclusion of this course, students are expected to not only understand, and practice, elements of composition, color, and design; they should also be able to comprehend these as they apply to a particular work of art. Work should be kept for portfolio.

Prerequisites: Successful completion of Visual Arts (Beginning) or permission of Instructor.

Visual Arts (Proficient) Honors (54175X0)

This course is similar to the Advanced Visual Arts in that it requires the development and completion of a portfolio - the main difference being that work produced for the portfolio will not be submitted to the College Board. The portfolios will be evaluated by the teacher. This course further develops ideas in design, drawing, painting, collage, and possibly sculpture and printmaking. Direct observation, aesthetics, art historical perspectives and critique will also be part of the curriculum. This course is an option for students who do not want to enroll in AP Studio Art.

Prerequisites: Successful completion of Visual Arts (Intermediate) and/or permission/recommendation of instructor, which may include portfolio review.

Visual Arts (Advanced) Honors (54185X0)

This course is similar to AP in that it also requires the development and completion of a portfolio, the main difference being that work produced for the portfolio will not be submitted to the College Board. Portfolios will be evaluated by the teacher. This course builds on previously-studied basics in design, drawing, painting, and printmaking. Drawing skills from direct observation of the figure, landscape, still-life and architectural form will be emphasized, along with a further understanding of critical thinking, problem solving, and design principles. Students will continue their exposure to art appreciation and the informal analysis of movements in art history. Students will continue themes and projects dealing with the following areas: Drawing, Painting, Photography, Fiber Arts, Sculpture, Installation, Collage, and Printmaking. Students will work with the intention of developing original style. The idea of keen observation, and attention to nuance and detail will continue to be emphasized, as will art historical perspectives, critique, and aesthetics.

Prerequisites: Successful completion of Visual Arts (Proficient) and/or permission of instructor, which may include portfolio review. This course is a prerequisite to AP Studio Art: 2-D Design.

AP Studio Art: 2-D Design (5A027X0)

AP Studio Art: 2D-Design is recommended for students who have college-level ability and want to develop a strong portfolio. Students will have experience with multiple materials, will have a strong understanding of the elements and principles of design, and will have basics developed in beginning and intermediate courses. Students will enhance their development of philosophy of art and Aesthetics, in addition to exploring their own creativity. Students should be able to focus on developing and enhancing current skills, and ready to experiment and discover new techniques. The focus of this year will be placed on art production and art criticism with the intent to become a stronger artist. Assessment and evaluation are based upon the completion of all the requirements for the AP portfolio.

Prerequisites: Successful completion of Visual Arts (Advanced) and/or permission/recommendation of instructor. Students must submit an AP portfolio. This year, NCDPI is covering the exam fee of \$94.

PHYSICAL EDUCATION and HEALTH

9th/10th Grade Healthful Living (63022X0)

This course includes a comprehensive health curriculum as well as physical education. Students will learn about the major health risks for their age group as well as skills to maintain a healthy lifestyle. The physical education portion of the class emphasizes lifetime personal fitness through development of skills that can be used into adulthood.