

Raleigh Charter High School

www.raleighcharterhs.org

2010-2011 Course Selection Guide

Introduction

Students register for six courses. Students may register for two electives; electives include courses in foreign languages (a minimum of a two-year sequence is required for graduation), fine arts, or health. Students may also elect to take two courses in a core area with approval. Geometry precedes Algebra II, though these courses may be taken simultaneously.

Course types are Standard, Advanced or Enriched, or Advanced Placement. In standard courses, an A earns four (4) quality points. Because Advanced courses (H) go into greater depth and breadth and are conducted at a faster pace than Standard courses, they carry weighted credit: the grade of A earns five (5) quality points. Enriched (H) courses go into even greater depth and breadth and are conducted at a faster pace than Advanced courses. Enriched courses are comparable to Academically Gifted (AG) courses open to any student who wishes to work at that level; work in the course—homework and class discussion—differs in quality from Advanced courses, not necessarily in quantity. In an Enriched course, students will master or review basic information quickly in order to study related, more conceptual and more abstract topics in greater depth and breadth. These courses assume a willingness by the student to explore topics with more student initiative and less teacher supervision. In Enriched courses, the grade of A also earns five (5) quality points. Advanced Placement (AP) courses carry the weighted credit of six (6) quality points for the grade of A, in keeping with the much higher demands of a student's time and intellectual commitment. Courses require 20-30 minutes of homework per day for five days, and AP courses demand 30-45 minutes per day.

Certain courses have prerequisites and co-requisites (a co-requisite can be taken simultaneously with the course described). Students should consult with their current teachers for assistance with placement. Certain electives in this guide may not be offered in 2010-2011. Students should always provide alternatives on the registration forms, especially for electives.

Students who register for a seventh course, e.g., Healthful Living (813Y) or AP Music Theory (657), must pay \$475 tuition for that seventh course (each course meets at 8:10 each morning). Fees must be paid by August 31, 2010.

Mathematics

Algebra I

112

Prerequisite: Pre-Algebra

This course is for students who are familiar with such concepts as solving equations for x , Cartesian plane, absolute value, inequalities, percentages, and reading and interpreting graphs. The course will study algebraic concepts including real numbers and polynomials, relations and functions, creation and application of linear functions and relations, and an introduction to nonlinear functions. This course assumes that students are quite familiar with working with fractions and decimals.

Appropriate technology, including the TI-83+ or TI-84+ graphing calculator, will be used regularly for instruction and assessment. Daily preparation for the class is essential since topics are continually building upon each other and connections between topics are continually examined. *Students will take an End-of-Course test in this course.*

Geometry

122

Prerequisite: Algebra I

Geometry teaches students how to think in a rigorous and logical manner. Students need to be able to solve equations with two variables and to simplify algebraic expressions. Geometry solidifies the knowledge of concepts already encountered and learned in a more deductive approach. Two- and three-dimensional reasoning skills are emphasized, and students will broaden their use of the coordinate plane to include isometric transformations such as rotations, reflections, translations, and the non-isometric dilation transformation. Trigonometric relationships such as the sine, cosine, and tangent are introduced. Daily preparation for class is essential since topics continually build upon each other and connections between topics are continually examined. *Students will take an End-of-Course test in this course.*

Advanced Geometry (H)**125**

Prerequisite: Algebra I

Advanced Geometry supplements students' inductive understanding of geometric principles learned in middle school with a more rigorous deductive approach. The proof is the keystone of this deductive approach to learning geometric concepts. Several techniques of proving geometric theorems are introduced such as the construction, coordinate, and contradiction proof methods. Two- and three-dimensional reasoning skills will be emphasized and students will broaden their use of the coordinate plane to include isometric transformations such as rotations, reflections, translations, and the non-isometric dilation transformation. Trigonometric relationships such as the sine, cosine, and tangent are introduced. Properties of circles and polygons are further examined in the context of real-world activities such as surveying, carpentry, architecture, and construction. The prerequisite expectation is that students understand graphing coordinates in the coordinate plane, the components of the slope-intercept form of a linear equation including how to derive the equation of a line connecting two points, and solving for an unknown variable in both linear and non-linear equations. Daily preparation for the class is essential since topics are continually building upon each other and connections between topics are continually examined. *Students will take an End-of-Course test in this course.*

Algebra II**132**

Prerequisite: Algebra I

Algebra II continues students' study of basic algebraic concepts including functions, exponents, polynomials, graphing, rational expressions, and systems of equations. New concepts introduced include logarithms, probability and discrete analysis, matrices, and complex numbers. Much time is spent on quadratics, including multiple methods of solving quadratic equations and inequalities, and graphing conic sections. Practical applications are emphasized for all skills. Students are consistently taught how to solve problems without the aid of a calculator, but are also trained in the use of a graphing calculator. Daily preparation for the class is essential since topics are continually building upon each other and connections between topics are continually examined. *Students will take an End-of-Course test in this course.*

Advanced Algebra II (H)**135**

Prerequisite: Algebra I

Advanced Algebra II continues students' study of basic algebraic concepts including functions, exponents, polynomials, graphing, rational expressions, and systems of equations. New concepts introduced include logarithms, matrices, and complex numbers. Much time is spent on quadratics, including multiple methods of solving quadratic equations and inequalities, and graphing conic sections. Practical applications are emphasized for all skills. Students are consistently taught how to solve problems without the aid of a calculator, but are also trained in the use of a graphing calculator. This advanced course goes deeper and requires more of the students than the standard course. Students are expected to bring different skills together for advanced problem solving, to derive for themselves many of the formulas they use, and to generalize from specific formulas to broader applications. Daily preparation for the class is essential since topics are continually building upon each other and connections between topics are continually examined. *Students will take an End-of-Course test in this course.*

Functions and Modeling**144**

Prerequisite: Geometry and Algebra II

Functions and Modeling is a standard course that provides students an in-depth study of modeling and applying functions in areas from consumer issues to public policy to scientific investigations. A variety of mathematical relationships including trigonometric functions are introduced and explored with an emphasis on applications to real-life problems. The main goal of the course, however, is to enable students to understand trigonometry and functions in order to advance in further studies. The prerequisite expectation is that students will have a grasp of the topics learned in Geometry and Algebra II. The in-class expectation will be that students actively participate in the class discussions and have a desire to supplement their understanding of mathematics. This course is not an Advanced (H) course. It does incorporate the study of advanced functions.

PreCalculus (H)**155**

Prerequisite: Geometry and either Advanced Algebra II or Functions and Modeling

PreCalculus supplements a thorough exploration of topics discussed in Algebra II and Geometry with an introduction to sequences series, data analysis, and calculus. The trigonometric relationships among sine, cosine, tangent, and the unit circle will also be introduced. The Law of Sines and the Law of Cosines are discussed within the contextual framework of real-life

applications. The crux of the course is in the study of the functions. Students will learn the application of functions to model behavior in addition to exploring the concepts of functional limits and derivative, which are essential to calculus. The prerequisite expectation is that students have a strong grasp of the topics discussed in Geometry and Algebra II. Furthermore, students should have a desire to be exposed to advanced mathematical concepts and their applications to a variety of disciplines such as science or engineering. Students participate in the class discussions and can help provide direction to solving complex problems.

Calculus (H) **165**

Prerequisite: PreCalculus

Calculus includes an extensive review of functions including domains, ranges, roots, intercepts and asymptotes. The study of limits will be expanded to introduce the derivative. Students will understand that the derivative is the rate of change of a function and will be able to relate that to verbal scenarios, graphs and algebraic functions. Students will learn to take derivatives by using the definition of the derivative and by using the standard rules for taking derivatives. Maximum and minimum values of a function will be explored, and students will understand how to find those values using the first derivative. The second derivative will be introduced, and students will learn how to use the second derivative to determine the concavity of a function. Integrals will be introduced, and students will learn to evaluate definite and indefinite integrals. There will be a strong emphasis on a conceptual understanding of the derivative and the integral.

Advanced Placement Calculus AB (AP) **167**

Prerequisite: Precalculus or permission of the instructor

AP Calculus AB is an intensive review of functions including domains, ranges, and functional limits that will be expanded upon to introduce the concepts of a derivative and integral. The first derivative is related to measures of change such as the slope of linear equations and to functional maxima and minima. The relationship between functions describing movement and the first and second derivative are examined. The concept of an integral is then introduced, and applications are presented. This course is designed to provide a classical study of Calculus that will enable further study of multivariate Calculus or differential equations. The prerequisite expectations will be a thorough understanding of functions and limits and a desire to take the AP Calculus AB exam in May. Students should be prepared to actively participate and work consistently on a daily basis since much of the material is theoretical.

Advanced Placement Calculus BC (AP) **177**

Prerequisite: AP Calculus AB or permission of the instructor

AP Calculus BC is a continuation of the AP Calculus sequence. Topics covered include advanced techniques of integration, parametric equations, vectors, polar coordinates, and series. The prerequisite expectations are a confident grounding in the derivative and integral at the "AP Calculus AB" level and a willingness to work hard.

Calculus III (H) **178**

Prerequisite: AP Calculus BC or permission of the instructor

It's ... more calculus.

Advanced Systems Theory (H) **185**

Pre- or co-requisite: Algebra II

This is **not** a math course. It is a course in critical thinking. Systems Theory is about systems and how the systems approach has been, can be, and should be applied in the physical, biological, social, and behavioral sciences, as well as technology. Students learn to approach problems in the real world from many perspectives and to ask critical questions. They learn to find answers when answers are possible and to be aware that most problems do not have simple solutions. Students learn that a system can never be completely analyzed in terms of its component parts; the only way it can be fully understood is to understand all the relationships between the system, the subsystems it comprises, and the supersystems of which it is a component. The course requires a significant amount of reading, writing, and discussion. *This elective course does not satisfy a graduation requirement in mathematics.*

Advanced Placement Statistics (AP) **187**
Co-requisite for Seniors: PreCalculus
Co-requisite for Sophomores and Juniors: Calculus

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to the four major themes of exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students should be prepared to actively participate and work consistently on a daily basis both in class and on homework.

Introduction to Computer Science **192**
Prerequisite: Completion of Algebra I

This course introduces students to a wide range of computer science topics. Among the topics covered will be computer architecture, Internet network protocols, an introduction to programming using a high-level programming language, and the use of a spreadsheet as a programming environment. *This elective course does not satisfy a graduation requirement in mathematics.*

Introduction to Programming **193**
Prerequisite: Introduction to Computer Science (192) or permission of the instructor

This course introduces students to Java programming. From an introduction to the basic tools used to develop and compile a program, the course moves on to discuss variables, classes, loop, arrays, and basic algorithms. Strong emphasis is placed on breaking down a vaguely defined problem into well-defined reusable classes. Alongside the basics of programming theory, students will work on carefully testing, debugging, and enhancing their codes. The class will be completely “hands-on” and, as it progresses through the year, assignments will be less teacher-prescribed and more student-designed. No prior programming experience is required. Priority for enrollment in this class will be determined by the student’s level of mathematical progress: that is, students taking AP Calculus would have priority over other students, and so on. *This elective course does not satisfy a graduation requirement in mathematics.*

Web Design **194**
Prerequisite: Introduction to Computer Science or permission of the instructor

Web Design introduces students to the concepts involved in designing and maintaining a web site. Students will learn how to program web pages using HTML, Javascript, CSS and Server-Side Scripting. Adobe Dreamweaver 8 will be used in this course to create web pages and manage files on our web server. The goal of this course is to teach students how to work together to help maintain Raleigh Charter’s website. *This elective course does not satisfy a graduation requirement in mathematics.*

Advanced Placement Computer Science (AP) **197**
Prerequisite: Algebra II and Introduction to Programming

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development and is meant to be the equivalent of a first semester college course in Computer Science. It also includes the study of data structures, design, and abstraction. The course emphasizes the design issues that make programs understandable, adaptable, and when appropriate reusable. The programming language used in this class is Java. Although there will be time in class for working on assignments, students will also need to work on assignments outside of class. *This elective course does not satisfy a graduation requirement in mathematics.*

Science

Advanced Biology (H)

215

Required of all Ninth-Grade Students

This advanced course follows the NC Standard Course of Study and prepares Freshmen for the study of future advanced sciences. Themes covered include chemical basis of life, metabolism of cells, genetic continuity, homeostasis in plants and animals, and the evolution and ecology of populations. This class will emphasize “hands-on” learning and is suited for students who perform best with opportunities for drill and practice. Laboratory skills, including lab reports, are emphasized as a major portion of the class. *Students will take an End-of-Course test in this course.*

Enriched Biology (H)

216

Required of all Ninth-Grade Students

This enriched course follows the NC Standard Course of Study and prepares Freshmen for the study of future advanced sciences. Themes covered include chemical basis of life, metabolism of cells, genetic continuity, homeostasis in plants and animals, and the evolution and ecology of populations. This class is suited for highly motivated students with good reading comprehension and study skills. Students entering this class should be able to write a lab report, complete self-guided research, and design and perform an experiment independently. This course is reading- and writing-intensive. There is an emphasis on preparing students to take Advanced Placement Biology in a later year. *Students will take an End-of-Course test in this course.*

Advanced Placement Biology (AP)

217

Prerequisites: Advanced Biology or permission of instructor

Co-requisite: Advanced Chemistry

AP Biology is a college-level course designed to challenge students to extend their knowledge of biological theories and processes beyond the level of an introductory science course. Students explore various themes through an in-depth analysis of the following biological topics: science as a process, evolution, energy-transfer, continuity and change, relationship of form to function, regulation, the interdependence of nature and the relationship between science, technology, and society. The class involves lectures, lab experiments, student-led discussions, quizzes, and tests. Students are expected to do extensive careful reading in this course. The course will prepare students to take the AP Biology exam in May.

Advanced Chemistry (H)

225

Prerequisites: Advanced Biology, Algebra I

This course is designed so that students will develop an understanding of the concepts and principles of chemistry in depth and at a rapid pace. Students do extensive research, independent study, and laboratory investigations. The curriculum includes inquiry into the following content areas: atomic structure, the structure and properties of matter, chemical reactions, conservation of energy and matter, and the interaction of energy and matter.

Enriched Chemistry (H)

226

Prerequisite: Advanced Biology or permission of instructor

Co-requisite: Advanced Algebra II

This course is designed so that students will develop an understanding of the concepts and principles of chemistry in great depth and at a rapid pace, with the intention that those students continue on to Advanced Placement Chemistry. Students do extensive research, independent study, and laboratory investigations. The curriculum includes inquiry into the following content areas: atomic structure, the structure and properties of matter, chemical reactions, conservation of energy and matter, and the interaction of energy and matter. This class is designed for highly motivated students with good reading comprehension and study skills. This course is reading- and writing-intensive.

Advanced Placement Chemistry (AP)

227

Prerequisites: Advanced Biology, Advanced Chemistry, Advanced Algebra II, and permission of instructor

This course is intended to meet the objectives of the Advanced Placement (AP) Chemistry curriculum designed by The College Board. The course covers advanced topics in chemistry including kinetics, oxidation-reduction, equilibrium, thermochemistry, quantitative and qualitative analysis, and introductory organic chemistry. Students will continue to develop chemistry

laboratory skills and learn to predict results of reactions and properties of reaction products. Students will complete an intensive schedule of advanced lab exercises and perform independent research projects. The course culminates in the Advanced Placement exam in May. This class is designed for highly motivated students with good reading comprehension and study skills. Students are expected to complete about one hour of homework per night, including intensive reading assignments. This course is reading- and writing-intensive.

Advanced Physics (H) 245

Prerequisites: Advanced Biology, Advanced Chemistry
Co-requisite: PreCalculus

This introductory Physics course is divided into two sections. *Mechanics* is based on Newton's laws of motion. Students learn to draw force diagrams, calculate the resultant force on an object, and predict the object's motion using kinematic equations of constant acceleration in one and two dimensions. This semester includes an introduction to rotational and simple harmonic motion. *Electromagnetism* introduces the electric and magnetic forces and the optics of electromagnetic waves. At the end of the course there is a brief introduction to the modern physics of special relativity and quantum mechanics. All topics are taught with a mix of theoretical work and practical laboratory work, in which the students demonstrate results for themselves. Some math will be taught (particularly vectors), but the emphasis is on developing physical intuition, and on using the math that students already know to solve physical problems.

Advanced Placement Physics B (AP) 247

Prerequisites: Advanced Biology, Advanced Chemistry, and Permission of Instructor
Co-requisite: PreCalculus

This first-year advanced course is intended to meet the objectives of the Advanced Placement Physics B curriculum. This curriculum covers linear and rotational mechanics and dynamics, gravitation, thermal physics, fluid dynamics, wave theory, electromagnetism, geometric optics, atomic theory, and an introduction to relativity and modern physics. All topics are taught with a mix of theoretical work and practical laboratory work, in which the students demonstrate results for themselves. Some math will be taught (particularly vectors), but the emphasis is on developing physical intuition, and on using the math that students already know to solve physical problems. The course culminates with the Advanced Placement Physics B exam in May. This class is designed for highly motivated students with good reading comprehension and study skills. This course is reading- and writing-intensive.

Advanced Placement Physics C (AP) 248

Prerequisites: Advanced Biology, Advanced Chemistry, AP Calculus AB, and Permission of Instructor

This AP Physics course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. The sequence is more intensive and analytic than that in the B course. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter of the C course is principally mechanics, and electricity and magnetism, with approximately equal emphasis on these two areas. A combination of labs, discussion, projects and analysis is critical in understanding the topics at this level. Students are expected to complete about forty minutes of homework per night including intensive reading assignments. The course will prepare students to take the AP Physics C exam in May.

Advanced Environmental Science (H) 265

Prerequisite: Advanced Biology
Co-requisite: Advanced Chemistry

This course is designed to introduce students to basic topics in environmental science. Students will use their knowledge of biology, chemistry, and geology to understand environmental processes. It is a science course, but it draws from many other disciplines, including economics, geography, and politics, to encourage a total understanding of how the natural processes interact with human actions. The class provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A combination of labs, discussion, projects and analysis is critical in understanding the topics at this level.

Advanced Placement Environmental Science (AP)**267**

Prerequisites: Advanced Biology, Advanced Chemistry, or permission of instructor.

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. This rigorous science course emphasizes a strong understanding of biological, chemical, and geological processes. However, the course draws from many other disciplines, including economics, geography, and politics, to encourage a total understanding of how the natural processes interact with human actions. The class provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A combination of labs, discussion, projects and analysis is critical in understanding the topics at this level. Students are expected to complete 30-45 minutes of homework per night, including intensive reading assignments. The course will prepare students to take the AP Environmental Science exam in May.

Advanced Astronomy (H)**275**

Prerequisites: Advanced Biology, Advanced Chemistry, and Geometry

In Astronomy, a yearlong investigation of astronomical phenomena combines observational and theoretical astronomy with elements of chemistry, physics, geology, cosmology, and history. The course requires regular reading and research outside of class as well as *independent* field observation. Independent field observation means going outside late at night or early in the morning, and a major part of the course grade comprises these observation projects. Geometry is a prerequisite for the course, and mathematical work at the Algebra II level will be required.

Laboratory Technician**285**Prerequisites: Biology, Chemistry, Environmental Science, permission of instructor. Open to *Seniors only*.

Laboratory technicians will work one-on-one with a science teacher assisting in lab preparation. Students must complete an application found at www.raleighcharterhs.org/faculty/akoch and turn it in to Ms. Koch. Eligible students should have a strong interest and background in science and be able to work independently. Tasks will include ordering supplies, preparing solutions and plates, maintaining inventory records, assisting students during labs, tutoring at lunch, and collecting samples.

Advanced Psychology (H)**365**

Prerequisite: World History, Civics and Economics

Prerequisite or co-requisite: Algebra II

This course will introduce students to the study of human behavior and mental processes. Through reading, discussion, experimentation, and projects, students will examine research methods for exploring human behavior from a theoretical and biological perspective. Themes covered will include learning, perception, cognition, testing, psychological disorders and treatments, personality, and development.

Advanced Placement Psychology (AP)**367**

Prerequisite: World History, Civics and Economics

Prerequisite or co-requisite: Algebra II

This is a college-level course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Through reading, discussion, experimentation, and projects, students will examine research methods for exploring human behavior from a theoretical and biological perspective. Themes covered will include learning, perception, cognition, testing, psychological disorders and treatments, personality, and development. The course will prepare students to take the AP Psychology exam in May.

History

Advanced World History (H)

315

Required of all Ninth-Grade Students

This course is a survey of world history from early civilizations to the present. The course focuses on comparative history across time and across the world. Students learn both the history of world cultures and civilizations and the skills necessary to be a successful history student throughout high school and college. Students develop the reading comprehension skills needed to understand historical documents. Throughout the year, students read the same sources professional historians read and learn to analyze material based on audience, context, and message. Students will develop research skills such as note taking, outlining, and footnoting and participate in a museum project. Particular attention is given to developing one's writing skills in essays throughout the year.

Enriched World History (H)

316

Required of all Ninth-Grade Students

This course is an advanced survey of world history from early civilizations to the present. The course focuses on comparative history across time and across the world. Students learn both the history of world cultures and civilizations and the skills necessary to be a successful history student throughout high school and college. There is an emphasis on using primary source material. Students learn to read the same sources professional historians read and learn to analyze material based on audience, context, and message. Students practice research skills such as note taking, outlining, and footnoting and participate in a museum project. This class is suited for highly motivated students with good reading comprehension skills and good writing skills. Students are asked to read and interpret material independently to prepare for class discussion. Students should feel comfortable summarizing main ideas and expressing opinions in writing. This course is reading- and writing-intensive.

Advanced Civics and Economics (H)

325

Prerequisite or co-requisite: World History

This course is a study of the economic, legal, and political systems of the United States. More specifically students learn about the roots of the American democratic system, the founding documents, the structure of local, state, and national government and economics. There is an emphasis placed on connecting the curriculum to current events and interactions with state and local governmental leaders. Students develop strong reading and writing skills and work regularly with primary-source materials like Supreme Court cases. Students also participate in a school-wide simulated congressional hearing as a culmination of their study of the federal government. *Students will take an End-of-Course test in this course.*

Enriched Civics and Economics (H)

326

Prerequisite or co-requisite: World History

This course is a study of the economic, legal, and political systems of the United States. More specifically, students learn about the roots of the American democratic system, the founding documents, the structure of local, state, and national government and economics. There is an emphasis placed on connecting the curriculum to current events and interactions with state and local governmental leaders. Students work regularly with primary-source material like Supreme Court cases. Students also engage in independent research and participate in a school-wide simulated congressional hearing as a culmination of their study of the federal government. This course is reading- and writing-intensive; that is, it is suited for students with strong reading comprehension and writing skills. In addition, students should demonstrate an interest in political and economic analysis. Students taking this course are encouraged to read the newspaper and newsmagazines and to watch or listen to broadcast news regularly. *Students will take an End-of-Course test in this course.*

College-Level Civics and Economics (AP-preparatory) (H)

327

Prerequisite: World History

Motivated sophomores may elect to take this challenging, college-level course. The Civics and Economics curriculum is coordinated with the course in AP US Government and Politics (see description below). In addition to the content and skills that prepare students for the AP United States Government examination in early May, the students will address the mechanics of North Carolina state and local government and economics. Those students who are interested in this course and who have taken Civics and Economics should register for AP US Government. *Students will take an End-of-Course test in this course.*

Advanced Placement United States Government (AP) 377
Prerequisite: World History, Civics and Economics, and pre- or co-requisite United States History

This course will give students perspective on the theory of how the government and politics work in the United States and how they work in reality. Students will use current news to see examples of how and why our political system works as it does. In election years, students will follow the hoopla and excitement of the campaign. Some of the questions we will discuss include why the Founders established the type of government they did? What does it mean to be a liberal or conservative? Why do people vote the way they do? Is there bias in the media? What are successful and unsuccessful campaign strategies that candidates have used? How do political parties, interest groups, and the media influence our politics? What powers do our national institutions such as Congress, the presidency, bureaucracy, and federal courts have and why do they function the way they do? We will discuss influential Supreme Court decisions to understand the evolution of our civil rights and liberties. The class will involve extensive discussion, debates, congressional simulations, and analysis of campaign ads. This course will prepare students to take the AP exam in US Government and Politics in May.

Advanced United States History (H) 335
Prerequisite: World History, Civics and Economics

This course surveys United States history from 1789 to the present. Students study the political, economic, and social history of the United States. There is a strong focus on reading and interpreting primary-source material as well as evaluating and discussing historical debates. Students are expected to prepare for class discussion each day. In addition, students will be asked to engage in independent research. *Students will take an End-of-Course test in this course.*

Advanced Placement United States History (AP) 337
Prerequisite: World History, Civics and Economics

This course is an in-depth survey of the political, economic, and social history of the United States from pre-colonial times to the present. There is a strong focus on reading and interpreting primary source material as well as evaluating and discussing historical debates and completing independent research. Students will be expected to do summer reading and work over the breaks. Students will read 10-15 pages of challenging material each night. They will also complete periodic writing assignments in addition to a major (10-page) research project. In addition, students will be expected to learn and retain a large amount of factual information. Students should have a strong interest in history and be prepared to devote considerable time and energy to this class. *Students will take an End-of-Course test in this course.*

Modern Africa Seminar (H) 345
** Alternating Years, next offering 2011/2012*
Prerequisite: World History, Civics and Economics
Pre- or co-requisite: United States History

From colonization to the 21st century, sub-Saharan Africa has suffered through a tumultuous history that leaves many questions as to its future unresolved. This course will focus on the Democratic Republic of the Congo, Rwanda, South Africa and current African "hot spots." Through the interdisciplinary analysis of literature, documentaries, music and popular journalism, students will explore such questions as why Western nations explored Africa, to what extent African cultures changed and how African peoples have moved towards democratization in the face of genocide, Apartheid, and the Cold War.

20th-Century Ideas in World History (H) 344
** Alternating Years, next offering 2010/2011*
Prerequisite: World History, Civics and Economics
Pre- or co-requisite: United States History

Throughout the 20th century, the United States has evolved into a world leader. This interdisciplinary course will focus on the intellectual histories of the United States, Latin America, Europe, the Middle East and Asia in the last century to gauge the extent of American influence and how the United States has been influenced from abroad. Initially this course will survey 20th-century political history before students examine formative intellectual traditions that shaped American attitudes and subsequent reactions found in such diverse places as Fidel Castro's Cuba, Winston Churchill's Great Britain and Anwar Sadat's Egypt. Meanwhile students will study how such cross-cultural

exchanges have influenced Americans at home such as Mohandas K. Gandhi's example to Dr. Martin Luther King, Jr. Analysis of essays, short fiction, film, music and visual arts will enrich students' appreciation of the past century's ideological challenges. 20th-Century African history is covered in History 345.

Advanced Placement European History (AP) 347

Prerequisite: World History, Civics and Economics
Prerequisite or co-requisite: United States History

This course surveys the political, economic, social, and cultural history of Europe from 1450 to the present. The course surveys subjects such as everyday life and high politics as well as technological developments and artistic history to try to understand how Europe developed from the end of the Middle Ages to the post-Cold War era. Students should have a strong interest in history and be prepared to do a considerable amount of reading from the text as well as a variety of primary documents and supplementary sources. There will be a summer reading assignment and homework during the breaks as well as movies to watch outside of class. Students will be expected to learn, analyze, and retain a large amount of factual information. In addition to class discussions, there will be debates, simulations, student presentations, and a variety of writing assignments. This course will prepare students to take the AP examination in European History in May.

Constitutional Issues (H) 376

Prerequisite: Civics and Economics
Prerequisite or co-requisite: US History

In this course, students will study the history and principles of the United States Constitution. Students will read political philosophy and our nation's founding documents, and they will and examine the way the Constitution has been interpreted over time using Supreme Court cases. Students will also apply what they learn to modern constitutional issues such as affirmative action, the right to privacy, the separation of church and state, homeland security, and other controversial issues. Students in this class will compete in the state-level *We the People* Competition. They will also engage in independent research projects and conduct mock Supreme Court hearings.

English

Honors English I (Grade 9) (H) 415

This course is designed to challenge academically advanced, highly motivated students who are capable of comprehending and analyzing literary texts. Students read 8-9 major works of world literature *with a focus on genre study* (approximately 15 pages of reading per night) as well as poetry and shorter works of fiction and nonfiction. Frequent writing assignments develop students' critical thinking skills and creative expression. The course provides a study of grammar, mechanics, usage, and vocabulary. *Students will take an End-of-Course test in this course.*

Enriched English I (Grade 9) (H) 416

This course is designed for highly academically advanced, highly motivated students who are capable of reading complex literature independently and analyzing it in terms of themes, character motivation, and cultural and philosophical contexts. Students read 11-13 major works of world literature (approximately 20 pages of reading per night) as well as poetry and shorter works of fiction and nonfiction. Through frequent writing assignments, students develop the skills of close textual analysis, critical thinking skills, and creative expression. The course provides a study of grammar, mechanics, usage, and vocabulary. This course is reading- and writing-intensive. *Students will take an End-of-Course test in this course.*

Honors English II (Grade 10) (H) 425

This college-preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. This course is designed to challenge academically advanced, highly motivated students who are capable of comprehending and analyzing literary texts. Students will read 8-10 major works of world literature (approximately 15 pages of reading per night) as well as poetry and shorter works of fiction and nonfiction. Frequent writing assignments will develop students' critical thinking skills and creative expression. The course will provide a study of grammar, mechanics, usage, and vocabulary. *Sophomores take the Tenth-Grade Writing Test.*

Enriched English II (Grade 10) (H)**426**

This reading- and writing-intensive course is designed for academically advanced, highly motivated students who are capable of reading complex literature independently and analyzing it in terms of themes, character motivation, and cultural and philosophical contexts. Students will read 8-10 major works of world literature (approximately 20 pages of reading per night), numerous short stories, essays, and poetry. Frequent writing assignments will promote close textual analysis and develop students' critical thinking skills and creative expression. The course will review grammar, mechanics, usage, and vocabulary. *Sophomores take the North Carolina Tenth-Grade Writing Test.*

Honors English III (Grade 11) (H)**435**

This course is designed to challenge academically advanced, highly motivated students who are capable of comprehending and analyzing literary texts. Students will read 8-10 major works of American literature (approximately 20-25 pages of reading per night) as well as poetry and shorter works of fiction and nonfiction. Frequent writing assignments will develop students' critical thinking skills and creative expression. The course will provide a study of grammar, mechanics, usage, and vocabulary.

Advanced Placement English III (Grade 11) (AP)**437**

AP English Language and Composition is designed for highly academically advanced, highly motivated students who are capable of reading complex literary selections independently and analyzing them in terms of themes, character motivation, and cultural and philosophical contexts. Students will read 9-11 major works of American and British literature (approximately 25-30 pages of reading per night) as well as poetry and short works. In addition to the rigorous reading load in fiction, drama, and poetry, students will read approximately 20 nonfiction essays from a rhetorical reader. Writing assignments will include close textual analysis of fiction and drama, various expository essays, and timed writings that analyze persuasive writing and create rhetorically sound arguments. Students will study advanced composition skills, including lessons in grammar, mechanics, usage, and vocabulary. This course is extremely reading- and writing-intensive and will demand approximately an hour of homework per night. This course prepares students to take the AP Examination in English Language and Composition in May.

Honors English IV (Grade 12) (H)**445**

This course is designed to challenge academically advanced, highly motivated students who are capable of comprehending and analyzing literary texts. Students will read 8 - 10 major works of British literature (approximately 20 pages of reading per night) as well as poetry and shorter works of fiction, poetry and nonfiction. Frequent writing assignments will develop students' critical thinking skills and creative expression. The course will provide a study of grammar, mechanics, usage, and vocabulary.

Advanced Placement English IV (Grade 12) (AP)**447**

AP English Literature and Composition is designed for highly academically advanced, highly motivated students who are capable of reading complex literary selections independently and analyzing them in terms of themes, character motivation, and cultural and philosophical contexts. Students will read 10 - 12 major works of British literature (approximately 25- 30 pages of reading pages per night) as well as poetry and short works. There is a rigorous reading load in fiction, drama, and poetry. Writing assignments will include close textual analyses of fiction, poetry, and drama. Timed writings analyze prose and poetic passages and treat literary concepts from the student's repertoire. Students will study advanced composition skills, including lessons in grammar, mechanics, usage, and vocabulary. This course is extremely reading- and writing-intensive and will demand approximately an hour of homework per night. This course prepares students to take the AP Examination in English Literature and Composition in May.

Ways of Being: Representations of Self through Literature, Visual Arts, Music, and Philosophy (H) 455

Prerequisite: English II

In this course, students will examine the ways various writers, philosophers, and artists have tried to describe the nature of human existence through music, film, painting, fiction, poetry, and other forms of expression. Students will write position papers and essays, and the course will end with an extended project that explores connections among the artworks discussed throughout the year. *NB: This elective does not satisfy a graduation requirement in English.*

Publications (H)**456**

Prerequisite: Permission of instructor

In this yearlong course, students will gain hands-on experience in aspects of both print-based and electronic publication by serving as writers, editors, photographers, graphic artists, layout designers, and production staff for *The Flame* (RCHS's newspaper). Students will learn to develop a production schedule and meet publication deadlines. Classes generally consist of workshops, but students will receive instruction on various aspects of journalism and publication, including feature writing; headline writing; conducting interviews, surveys, and polls; research; photojournalism; layout and design; and advanced software techniques (Microsoft Publisher and HTML). See Ms. Schmitz about getting permission to register for this course. *NB: This elective does not satisfy a graduation requirement in English.*

World Languages

Students new to RCHS who wish to register for a course above the first year of a foreign language should contact the department of Modern and Classical Languages for a placement assessment. We recommend that students begin their foreign-language study by no later than their sophomore year. Foreign-Language Prerequisites: In order to succeed in the second-year course in a foreign language, students should achieve at least a C in the first-year course. Students who wish to take a third-level course or higher must have at least a C in the previous course. Permission of the instructor is required to register for a course above the first course in a language.

Spanish I**512**

In this course students will actively participate in the four areas of language learning: listening, speaking, reading, and writing, with an emphasis on oral/aural communication. The basic functions covered will be formulating questions and both positive and negative responses, giving and receiving directions, communicating in the simple past, present, and future, and indicating needs and desires. Through individual and cooperative learning activities students will practice such specific topics as talking about people, describing everyday items, ordering meals in restaurants, shopping for food and clothing, reading maps and other common daily activities. Students will also learn about the Hispanic world and its varied cultures, particularly as underscored by the language via formal and informal address, concepts of family and nationality, and gesture, among others.

Spanish II**513**

In this course students will build on their knowledge gained in Spanish I, while actively participating in the four areas of language learning: listening, speaking, reading, and writing, with an emphasis on oral/aural communication. Functions will expand to include the progressive tenses, telling time, giving orders, discussing feelings, making comparisons and referring to habitual actions in the past. Specific topics that the student will master in class through a greater emphasis on cooperative and student-centered learning include travel settings such as a hotel and marketplace, talking about health, and describing daily routines and weekend plans. Cultural awareness is expanded with more specific study of the Spanish-speaking world. Students will be required to engage in more challenging discussions in Spanish and English as they use their critical-thinking skills to restate and assess both written texts and recorded passages.

Spanish III (H)**515**

This course expands the students' active proficiency to include such functions as commenting on and stating opinions, expressing doubt and improbability and talking about conditions contrary to fact. Cultural issues of the Hispanic world are viewed through different contexts such as the press, media, memoir, and fiction. The students will control all tenses and moods by the end of the course and will have experienced an introduction to Hispanic literature in the target language. Oral communication is stressed in the classroom and literacy is increased as the student begins to evaluate text.

Spanish IV (H)**516**

This course will introduce students to the major authors of Spain and Latin America through guided readings and excerpts in the target language. The student will practice complex grammatical structures and writing skills in a variety of genre. Fluency

in speaking and listening will continue to be a focus of in-class time. This course may be replaced with AP Spanish Language at the instructor's discretion.

Advanced Placement Spanish Language and Composition (AP) 517

Prerequisite: Recommendation of instructor

This course will cover all areas of communication in Spanish in an intensive and extensive study of advanced grammar and will demand increased oral, aural and written proficiency as the student prepares for the AP Examination in May. Students should be prepared to spend 45 minutes or more on Spanish homework each night. This course may be recommended after Spanish IV, or in certain cases, after Spanish III.

French I 522

This course is designed for students who wish to take French for the first time, as well as for students who have taken French at other schools and wish to strengthen their oral-comprehension skills. Students will develop competencies in speaking, listening to, reading and writing French. However, the primary emphasis will be on oral communication and comprehension. Students will be exposed to the French-speaking world and its various cultures. French will be experienced through activities such as song, video, audio, TPRS (Total Physical Response through Storytelling) and multimedia.

French II 523

Students will continue to develop competencies in speaking, listening to, reading and writing French with emphasis on oral communication and comprehension. Students will learn to express themselves with more variety, expanding their vocabulary and using verbs in the present and past tense. Culture will be experienced through various multimedia activities.

Deleted:

French III (H) 525

Students will continue to develop competencies in all areas of communication. The student's production of both spoken and written French will increase as grammatical concepts and sentence structures become more complex. Students will study all simple tenses, as well as several compound tenses by the end of the course. Oral presentations, outside reading and compositions will be integrated into the study of French history and culture.

French IV (H) 526

This course will continue to emphasize increasing oral/aural skills through conversation beyond daily topics and will show an increased focus on literacy. Reading and writing will be integrated into the on-going study of French history and culture. Some authentic literary texts will be used in the classroom. Oral presentations will remain an integral part of the student's spoken practice in French.

Advanced Placement French Language and Composition (AP) 527

Prerequisite: Recommendation of instructor

This course will cover all areas of communication in French in an intensive and extensive study of advanced grammar and will demand increased oral, aural and written proficiency as the student prepares for the AP Examination in May. Students should be prepared to spend forty-five minutes on French homework each night.

French Literature 528

Prerequisite: Recommendation of instructor

Students will work independently, reading complete, original works. These works will include short stories, novels, plays and poetry from the 17th to the 20th centuries. Students will apply skills learned in English literature classes to their reading of the French works and will write critical essays in French.

German I**532**

This course is designed for the student who wishes to take German for the first time, as well as one who has explored the language in middle school. All four of the basic skills—listening, speaking, reading, and writing—will be emphasized. The curriculum is enhanced through the use of video and audio media and study of the culture of the German-speaking peoples.

German II**533**

This course builds on the knowledge gained in German I. As in the first course, all of the basic language skills—listening, speaking, reading, and writing—are emphasized. The curriculum is enhanced through the use of video and audio media and study of the culture of the German-speaking peoples.

German III (H)**535**

German III is for students who have successfully completed German II. Emphasis is on increasing oral/aural skills through reading, writing, conversation, games, and video. The basic principles of German grammar are reviewed and the student's knowledge of the history and culture of the lands where German is spoken is broadened through readings and audiovisual materials.

German IV (H)**536**

German IV is for students who have successfully completed German III. Emphasis is on increasing oral/aural skills through reading, writing, conversation, games, and video. The basic principles of German grammar are reviewed and the student's knowledge of the history and culture of the lands where German is spoken is broadened through readings and audiovisual materials.

Advanced Placement German Language and Composition (AP) 537

Prerequisite: Recommendation of instructor. This course will cover all areas of communication in German in an intensive and extensive study of advanced grammar and will demand increased oral, aural, and written proficiency as the student prepares for the AP Examination in May. Authentic literary texts and films are included in the curriculum. Students should be prepared to spend 45 minutes or more on German homework each night. This course may be recommended after German IV, or, in certain cases, after German III.

Chinese II**563**

Prerequisite: Chinese I or recommendation of instructor. Students will continue to strengthen their foundation, and to develop competencies in speaking, listening, reading and writing. Students participate in simple conversational situations by combining and recombining learned elements of the language orally and in writing. They develop a better understanding of the similarities and differences between cultures and languages. Students will learn to use a Chinese dictionary by radicals.

Chinese III**565**

Prerequisite: Chinese II or recommendation of instructor. Students will continue to refine their knowledge and understanding of the Chinese language and culture and their own by examining the interrelationship of both cultures, and by applying their knowledge and skills inside and outside of the classroom setting. They identify main idea and significant details in discussions, presentations, and written texts within a cultural context, read and interpret authentic materials, narrate and describe in sentences, groups of related sentences, and short cohesive passages and compose messages, announcements, personal notes, and advertisements. Guidelines used in the characters simplification process will be discussed.

Chinese IV**566**

Prerequisite: Chinese III or recommendation of instructor. Students will continue to communicate in writing and in extended conversations on a variety of topics. Students begin to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics. Short stories, poetry, current events, and authentic materials are included. Emphasis is placed on independent reading. Finer points of grammar are studied to aid oral and written communication. Students begin to read both Traditional and Simplified characters.

AP Chinese Language and Cultures**567**

Prerequisite: Chinese IV or recommendation of instructor. This course will cover all areas of communication in Chinese in an intensive and extensive study of advanced topics, including culture and social issues, and will demand increase oral, aural and written proficiency as the student prepares for the AP Examination in May. Students should be prepared to spend forty-five minutes on Chinese homework each night.

Fine Arts

Visual Arts I**632**

In this introductory course for the high-school art program students explore a wide variety of art media including drawing, painting, sculpture, printmaking, and mixed media. Students examine art and aesthetics from a multi-cultural perspective and learn how to critique their own art. Students will learn about artists and their influences on each other and on the culture.

Visual Arts II**633**

Prerequisite: Visual Arts I

In this course students extend their visual literacy, engage in communications through art and refine their art skills. Students explore more advanced techniques and begin to investigate historical artistic movements. Students without the necessary prerequisite may enroll with the instructor's permission.

Visual Arts III (H)**635**

Prerequisite: Visual Arts II

Students will engage in advanced study of art processes, aesthetic issues, and art criticism. They will express concepts and communicate ideas using advanced approaches in various media. Each student will work to develop an individual style and become familiar with art schools and art careers. Students will read and discuss a wide variety of current art topics.

Visual Arts IV (H)

Prerequisite: Visual Arts III

636

Students will engage in advanced study of art processes, aesthetic issues, art criticism, and art history while maintaining the attitude and self-discipline of a working artist. Students will exhibit technical proficiency and personal style while working in art media. They will learn how to exhibit their own art, as well as the works of others. A culminating portfolio showing evidence of quality, concentration, and breadth of work produced throughout their high school program will be required.

Advanced Placement Studio Art (AP)**637**

Prerequisite: Visual Arts IV

AP Studio Art is designed for students who have demonstrated outstanding capabilities in expressing themselves with art media, have a high degree of commitment to communicating through art, and maintain the attitudes and self-discipline of working artists. Students can choose between submitting a portfolio of drawing media, two-dimensional media, or three-dimensional media. Each student will submit a portfolio in the spring. This course prepares students to take the AP Examination in Studio Art in May.

Yearbook**662**

In this course, students will explore design through the production of the school annual. However, assignments will not be limited only to the yearbook. Students will be trained to operate a digital camera, write captions, headlines and body copy, design layouts, learn graphic arts for yearbook publishing and Adobe InDesign and Adobe PhotoShop. Students on the year book staff will learn skills that can be included in a resume for any positions that involve desktop publishing and graphic arts. Students can take this course for all four years of high school.

Theatre Arts I: Introduction to Theatre**622**

This class offers a general overview of world theatre, introduces elementary concepts, methods, theatrical terminology, and discipline, and explores the creative process. Students will study the origins of modern drama, and develop basic skills in all areas of theatre. A primary goal of this course is the definition and articulation of “personal aesthetic,” through the student’s own experiences, interests, values and career objectives. Participants are given opportunity to stretch their imagination, focus creative energy, and work alone and in groups to tell stories and bring characters to life. Students are required to attend outside performances.

Theatre Arts II**623**

Prerequisite: Theatre Arts I

Theatre Arts II continues the study of acting process theory and application. Particular emphasis is given to character development and text analysis. Participants will engage in an advanced exploration of theatre history and related styles of acting and design with an emphasis on analysis, research and technical skills. Students will demonstrate knowledge, sensitivity, flexibility, and intuition in functioning as a member of an ensemble. Second semester coursework includes participation in the RCHS winter production and performance outside the regular class schedule. Students are required to attend outside performances.

Theatre Arts III (H)**625**

Prerequisite: Theatre Arts II and permission of the instructor

This course is a rigorous exploration of theatre history and related styles of acting, directing and design. Activities may include the creation of original performance material, the study of period/style acting, reader’s theatre, an in-depth study of classic American plays from the 20th century and a directing/design project. Second semester coursework includes participation in the RCHS winter production and performance outside the regular class schedule. Students are required to attend outside performances, including two productions at Playmaker’s Repertory Theatre at UNC, Chapel Hill.

Drama Production (H)**626**

Prerequisite: Theatre Arts III and Permission of Instructor

Drama Production is a performance-based course designed for highly-motivated, experienced drama students. Participants will study advanced acting techniques and script analysis, complete major directing and design projects, and engage in detailed, critical evaluation and focused research. Coursework includes participation in the RCHS winter production and performance outside the regular class schedule. Students are required to attend a performance each grading period, including two productions at Playmaker’s Repertory Theatre at UNC, Chapel Hill.

Chorus**612**

In this course, choral literature is studied in both classical and contemporary fields. The method of study is of a more global nature, integrating singing and vocal health with music theory, music history and appreciation, and the development of listening skills. No prerequisites are required. Students will, however, be required to perform outside the regular class period. Because of enrollment or scheduling, students may be placed into the Honor’s Mixed Ensemble for non-weighted credit. Concert dress would be required in this case.

Honors Women's Ensemble (H) 615

Prerequisite: By audition only

In this course, choral literature for women is studied in both classical and contemporary fields. The method of study is of a more global nature, integrating singing and vocal health with music theory, music history and appreciation, and the development of listening skills. As an honors course, this study will be more in depth in both academic content and singing. While no prerequisites are required, it is optimal that the students have choral experience. As an auditioned ensemble, concert dress and performances outside the regular class period are requirements.

Honors Mixed Ensemble (H) 616

Prerequisite: By audition only

In this course, choral literature for mixed voices is studied in both classical and contemporary fields. The method of study is of a more global nature, integrating singing and vocal health with music theory, music history and appreciation, and the development of listening skills. As an honors course, this study will be more in depth in both academic content and singing. While no prerequisites are required, it is optimal that the students have choral experience. As an auditioned ensemble, concert dress and performances outside the regular class period are requirements.

Intermediate Band 642

Prerequisite: Previous band experience

In this course, band literature and instrumental music skills are studied in both classical and contemporary fields. The method of study is of a more global nature, integrating instrumental literature with music theory, music history and appreciation, and the development of listening skills. Students must have acquired a proficiency in fingering and technical knowledge of their instrument. Students will be required to perform outside the regular class period.

Advanced Intermediate Band (H) 645

Prerequisite: Intermediate Band

In conjunction with Intermediate Band, this course is for Juniors and Seniors who wish to acquire Honors credit. Within this course band literature and instrumental music skills are studied in both classical and contemporary fields. The method of study is of a more global nature, integrating instrumental literature with music theory, music history and appreciation, and the development of listening skills. Students must have acquired a proficiency in fingering and technical knowledge of their instrument. Students will be required to perform outside the regular class period. Those students seeking Honors credit must complete the following requirements in addition to the requirements for Intermediate Band: prepare and audition for the Central District Band Clinic, attend an outside clinic for their instrument, and perform for an event in a religious or community institution (school, retirement home, etc.).

Intermediate Strings 652

Prerequisite: Previous strings experience

In this course, strings literature and instrumental music skills are studied in both classical and contemporary fields. The course will integrate instrumental literature with music theory, music history and appreciation, and the development of listening skills. Students must have previously acquired a proficiency in fingering and technical knowledge of their instrument. Students will be required to perform outside the regular class period.

Advanced Intermediate Strings (H) 655

Prerequisite: Previous strings experience

In this course, strings literature and instrumental music skills are studied in both classical and contemporary fields. The course will integrate instrumental literature with music theory, music history and appreciation, and the development of listening skills. Students must have previously acquired a proficiency in fingering and technical knowledge of their instrument. Students are expected to participate in all-state auditions and solo/ensemble festivals.

Advanced Placement Music Theory (AP)**657**

Prerequisite: Previous music course and recommendation of music instructor

AP Music Theory examines different aspects of music (melody, harmony, rhythm, texture, and form) by means of harmonic and formal analysis, aural skills, sight-singing, and compositional technique. Students are expected to take the AP Music Theory exam in May. This course is offered only during seventh period with a tuition fee of \$475, payable by August 31, 2010.

Curriculum Assistance

Curriculum Assistance**712**

Prerequisite: Course must be written in the student's Individualized Education Plan.

This course provides the academic support for Curriculum-Assistance students.

Healthful Living

Healthful Living**812**

In this course, students learn experientially how to develop and maintain healthful behaviors. Areas of study include assessing one's health status, developing an awareness of control in stress management, accepting responsibility for prevention of major health risks, demonstrating skills in conflict resolution, dealing effectively with anger, and constructing and managing a model plan for health behavior. Students will demonstrate an acceptable level of health-related fitness and will develop skills needed to implement a personal fitness program. Students will be able to demonstrate the ability to participate successfully in at least three lifetime sports, have the knowledge and skills to participate safely in a wide variety of cardiovascular fitness activities, demonstrate a variety of folk and other social dances, and display the ability to evaluate activities in terms of social, emotional, and physical benefits.

Students are required to take Healthful Living in order to graduate.

7th period Healthful Living**813 (write in the 7th period section)**

To register for the yearlong course that meets daily for 45 minutes during the regular school day (9:00-2:40), use course number 812. To register for the yearlong course that meets daily for 45 minutes at 8:10, use course number 813. Please pay the tuition fee of \$475 for this seventh course when you have received confirmation of registration in that course, no later than August 31, 2010.

Graduation Requirements for Raleigh Charter High School

Classes of 2010, 2011, 2012, and 2013

Mathematics	4 units (at minimum, Algebra I, Geometry, Algebra II, and one higher course)
Science	3 units (Biology, Chemistry, and Environmental or Earth Science)
History	3 units (World History, Civics and Economics, and US History)
English	4 units (English I, II, III, IV)
Foreign Language	2 units (including one course beyond the first year)
Healthful Living	1 unit
Electives	<u>5 units</u>
Total	22 units

A unit equals the successful completion of a yearlong course, one semester block course, or two semester-long courses, where each course carries a half credit.

Students in the Class of 2012 and after will take four required courses in Mathematics at Raleigh Charter High School in order to graduate from Raleigh Charter High School.

Students who enter in 2006 or after will complete the North Carolina Graduation requirements in testing and will complete the North Carolina Graduation Project in order to graduate.