

11th GRADE HONORS COURSES

Honors American Literature – English

Course Description: The main objectives of 11th grade Honors English are to improve writing skills and to improve reading skills. Students will write extensively as well as read various types of American literary selections and primary historical texts. This course will trace the development of American literature beginning with Native American literature and ending with modern literature examining both the historical and social context of each selection. NOTE: Honors classes do get progressively more rigorous at each grade level.

Course Expectations: All students will be required to produce research assignments, projects, and several performance tasks in order to receive credit for the course. Outside reading is required, and students will be expected to know the material.

Homework/class work may include, but not be limited to, written assignments, note taking, quizzes, worksheets, peer-editing teams, individual and team presentations, skits, SAT vocabulary preparation, essay construction, library research, grammar review, SSR daily reading, etc. Participating in daily class discussions is expected and required.

Summer Reading: Students will be expected to read the following books **prior** to the beginning of school: *The Great Gatsby* by F. Scott Fitzgerald *A Lesson Before Dying* by Ernest Gaines. Please visit the RHS website for additional information regarding Summer Reading.

Accelerated Pre-Calculus

This pre-calculus course consists of academic work in advanced mathematics and a preparation for calculus. The course is intended for superior mathematics students who have completed Acc Coordinate Algebra and Acc Analytic Geometry. Course topics are listed below. Graphing calculator technology will be emphasized to enhance and support the mathematics in all units of study. Students must be able to use a variety of techniques to solve problems: graphical, numerical, algebraic/analytic, and verbal. Students are to develop an appreciation of all these methods of representation, understand how they are connected in a given problem, and learn how to choose the most appropriate method(s) to solve a problem. Course topics include: Linear Equations and Analytic Geometry, Properties of Functions, Graphs of Functions, Exponential and Logarithmic Functions, Trigonometric & Inverse Trigonometric Functions, Polar Coordinates, Complex Numbers, and Polar Graphs, Conic Sections, Polynomials and Zeroes, and Sketching Polynomial Functions and Quotients of Polynomials

Take good notes that you can understand and use for. Don't leave blanks on assignments. Try every problem. Come by for extra help. Make up assignments. Make every effort to be in class, & "Self-Advocate".

AP US History

AP US History is both a hard and fun course. The course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The class prepares students for post-secondary course work in history by setting standards equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials and their relevance to given interpretive problems, reliability, and importance and to weigh the evidence and interpretations presented in historical scholarship. Students study issues and events relating to both race and environment as a unifying concept throughout the course. The AP U.S. History class will help students develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively through oral discussions and in essay format. **This is a college-level course and you will be held to high expectations and mature responsibilities just like a college freshman taking US History.**

Students will be expected to complete extensive reading assignments and devote time to homework assignments and projects. Time will need to be set aside each night for studying or work. Internet access is also required.

AP Macroeconomics

The purpose of an Advanced Placement course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to national income and price determination, economic performance measures, economic growth, and international economics. The course will be largely based on the principal of post hoc logic as it pertains to macroeconomic issues and graph models. This is a college level course with college level expectations and daily work load.

Honors Chemistry

Chemistry is a very challenging class where we use science and math concepts to help explain chemical changes and reactions. Chemistry is a sequential subject (what we learn one day we use throughout the year). Each unit contains at least 1 lab where the students apply what they've learned in class to a formal lab experiment and are required to write a formal lab report. Since this class is a college preparatory class, it will be taught as such, and students will have about an hour of chemistry homework every night. I will give a building quiz each day over the night's homework. It is imperative that honors chemistry students attend class each day and complete homework assignments so they can keep up with the materials.

AP Biology

Description: AP® Biology is both a hard and fun course. It provides students with an opportunity to develop a conceptual framework for modern biology emphasizing applications of biological knowledge and critical thinking to environmental and social concerns. This is a college-level course and you will be held to high expectations and mature responsibilities just like a college freshman taking Introduction to Biology. Students will be expected to complete extensive reading assignments, develop full-length lab reports, and devote time to homework assignments and projects. Time will need to be set aside each night for studying or work. Internet access is also required.

Honors Human Anatomy/ Physiology

Honors Anatomy is a rigorous upper-level course to be taken by upperclassmen as a 4th science credit. The material is geared towards those students wishing to pursue Biological and Healthcare Science academic endeavors in the future. Students must accept that Anatomy will have two very challenging aspects. The first challenge of the Honors Anatomy curriculum is the extensive use of Latin and Greek science vocabulary necessary to correctly communicate about the body in medical terms. The second is the vast range of material that Anatomy and Physiology presents. Students will be expected to learn everybody system from Integumentary to Cardiovascular in great detail. The textbook is intended for college level students and is used extensively. Honors Anatomy students must therefore be self-motivated and have a fundamentally sound understanding of Biology.

Honors Physics

By the conclusion of the course, the student is expected to meet the requirements of the Georgia State Standards for Physics. These standards are for the skills and processes needed to complete scientific investigations as well as for physics content. Student grades will include quizzes, tests, lab reports, homework, and projects. Formal lab reports are to be prepared following the standard lab report format distributed in class. A scoring rubric for formal lab reports accompanied this format. Homework will be given some nights and weekends. It is important to complete the homework to master the concepts taught. Every school night the student is to review the daily outcomes presented in class. It is the responsibility of the student to make sure he or she has completed the outcomes each day. The course text is supplied as a reference for the course. If any questions remain concerning the material covered during class, the student is expected to review the appropriate sections of the text to further his or her understanding of the material. If questions remain after reviewing class notes, relevant lab data, and the text, the student should prepare questions to ask at the beginning of the next class to clarify the material. Each unit will include short laboratory activities to explore the concepts covered and longer laboratory challenges in which students will be asked to apply the knowledge and skills learned during the unit to accomplish a specific task. Lab work is specifically designed to challenge the preconceptions that students bring to their study of physics. These preconceptions are based on previous observations of the natural world and explanations of these observations assembled from a sometimes flawed understanding of the interactions of matter and energy in the natural world.