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Academic and Career Technical Departments**

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ENGLISH DEPARTMENT

ENGLISH I 3001

1 credit

Open to 9

2014-15 is the first year for 100% implementation of the rigorous Common Core State Standards in English/Language Arts. Reading literature and informational text, academic writing, research, speaking and listening, and language skills are blended for an integrated model of literacy. Students will closely read and analyze a variety of literary selections: short stories, novels, articles, essays, speeches, drama, and poetry. Speaking and listening skills connect reading and writing through discussion and presentation. Across all writing formats, students will develop a central idea; maintain a coherent focus in their writing; and elaborate the points they make with well-documented and relevant examples, facts, and details.

English I students now have a text-based writing assessment in February. A state end-of-course exam is required at the end of the second semester. A combined score will count 25% in the second semester grade. [percentage determined by the State of Tennessee]

ENGLISH I/ HONORS 3001HN

1 credit

Open to 9

The Honors English I course is based upon the same general description as English I. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

NOTE: A mandatory summer reading assignment, which is required for all students in Honors English I, is counted in the first nine-weeks grade. Each teacher will provide specific details.

ENGLISH II 3002

1 credit

Open to 10

2014-15 is the first year for 100% implementation of the rigorous Common Core State Standards in English/Language Arts. English II builds on the foundations from English I. Reading literature and informational text, academic writing, research, speaking and listening, and language skills are blended for an integrated model of literacy. Students will closely read and analyze a variety of complex literary selections from world literature. Genres studied include short stories, informational text, nonfiction, drama, poetry, and novels. Speaking and listening skills connect reading and writing through discussion and presentation. Across all writing formats, students will develop a central idea; maintain a coherent focus in their writing; and elaborate the points they make with well-documented and relevant examples, facts, and details.

English II students now have a text-based writing assessment in February. A state end-of-course exam is required at the end of the second semester. A combined score will count 25% in the second semester grade. [percentage determined by the State of Tennessee]

ENGLISH II/ HONORS 3002HN

1 credit

Open to 10

Honors English II is based upon the same general description as English II. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document

NOTE: A mandatory summer reading assignment, which is required for all students in Honors English II, is counted in the first nine-weeks grade. Each teacher will provide specific details.

ENGLISH III 3003

1 credit

Open to 11

2014-15 is the first year for 100% implementation of the rigorous Common Core State Standards in English/Language Arts. English III continues the student's growth and sophistication in all language arts skills, focusing on the development of American literature. Students will study the historical and authorial background of many literary pieces with a strong focus on the analysis of informational text. Several biographies, short stories, poems, novels, and dramatic pieces will also be analyzed. Extensive writing assignments, including a research paper, are central to this course. At this point, the Common Core Writing Standards specify that students should possess the fluency, flexibility, and focus to produce high-quality drafts under tight deadlines and be equally proficient at editing and revising their written work (over multiple drafts if needed).

English III students have a text-based writing assessment in February. A state end-of-course exam is required at the end of the second semester. A combined score will count 25% in the second semester grade. [percentage determined by the State of Tennessee]

This course will also help prepare students for the Language and Reading portions of the ACT test given in March.

ENGLISH III/ HONORS 3003HN

1 credit

Open to 11

The Honors English III course is based upon the same general description as English III. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

NOTE: A mandatory summer reading assignment, which is required for all students in Honors English III, is counted in the first nine-weeks grade. Each teacher will provide specific details.

ENGLISH IV 3005**1 credit****Open to 11**

2014-15 is the first year for 100% implementation of the rigorous Common Core State Standards in English/Language Arts. English IV culminates the student's high school study of language arts, focusing on the development of British literature from ancient to modern times. Readings include fiction, poetry, drama, and informational text. Some readings are full-length. In addition to careful reading, analysis of text, and connections to the historical context, students will also refine their language, writing, communication, logic, media, and research skills. A major research project is required in English IV. A senior capstone/culminating project may be required in some schools.

ENGLISH IV/ HONORS 3005HN**1 credit****Open to 12**

Honors English IV is based upon the same general description as English IV. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

NOTE: A mandatory summer reading assignment, which is required for all students in Honors English IV, is counted in the first nine-weeks grade. Each teacher will provide specific details.

ADVANCED PLACEMENT [AP] ENGLISH LANGUAGE AND COMPOSITION 3013 1 credit Open to 11,12

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

NOTE: A mandatory summer reading assignment, which is required for all students in AP English Language and Composition, is counted in the first nine-weeks grade. Each teacher will provide specific details.

ADVANCED PLACEMENT [AP] ENGLISH LITERATURE AND COMPOSITION 3014 1 credit Open to 12

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

NOTE: A mandatory summer reading assignment, which is required for all students in AP English Literature and Composition, is counted in the first nine-weeks grade. Each teacher will provide specific details.

SPEECH 3015**1 credit****Open to 9,10,11,12**

Speech fosters the development of skills to generate ideas, research topics, organize information, and prepare for oral presentations. This class focuses on interpersonal communication and public speaking. Units of study include building confidence, effective listening, interviewing skills, group dynamics, career and family communication issues, and informative, persuasive, and special occasion speaking. In order to become a more effective communicator, students will prepare ideas in an organized format, speak clearly with confidence and poise, and listen critically to others. This course will prepare students for the interpersonal/speech communication course required at most colleges and universities.

SPEECH 3015 (Additional credit)**1 credit****Open to 10,11,12****Prerequisite: Speech I and teacher recommendation**

This class focuses on advanced public speaking skills, including competitive forensic events. Units of study include persuasive oratory, dramatic and humorous interpretation, prose and poetry interpretation, extemporaneous speaking, and Lincoln-Douglas Debate. Students will use gestures, voice control, and body language, as well as facilitate communication through the varied use of rate and pause. Additionally, students will prepare oral and written critiques of oral presentations and evaluate the strength of the ideas presented in oral presentations.

CREATIVE WRITING 3012

1 credit

Open to 9,10,11,12

This course will allow students to use additional writing experiences to promote self-expression, to explore various writing styles, and to strive for variety in diction, sentence structure, and format. Students will be expected to develop fluency, logic, clarity, and creativity, while writing for a variety of modes and audiences. This course will focus on the steps of the writing process while utilizing technology.

BROADCAST JOURNALISM 3008

1 credit

Open to 10, 11, 12

Recommended: Student application and teacher approval.

The primary objective of this class is to produce an interesting and quality news magazine for the student body and to do so in a timely fashion. The entire production process will require students to master the following skills: operating a digital video camera; operating Adobe Premiere to capture, edit and render video; writing copy for broadcast; anchoring the news; conducting field reports; writing and producing commercials; and overseeing overall news production.

MATHEMATICS DEPARTMENT

ALGEBRA I 3102

1 credit

Open to 9

Algebra I develops the properties of the real number system, working with both numerals and variables, and is designed to direct the student's thinking from concrete to abstract. Subject areas include linear and quadratic equations, inequalities, polynomials, graphing, functions, probability/statistics, and rational expressions. The use of technology is essential to the student's understanding of core concepts in this course.

A state end-of-course exam is required at the end of the second semester. It counts for 25% of second semester grade.

GEOMETRY 3108

1 credit

Open to students meeting prerequisites

Prerequisite: Algebra I

Geometry provides the strengthening of algebraic skills through applications in geometric situations. Subject areas include logic, measurement, geometric patterns, coordinate geometry, two and three dimensional figures, transformation geometry, congruence, right triangle trigonometry, probability/statistics, and similarity. The use of technology is essential to the student's understanding of core concepts in this course.

GEOMETRY/ HONORS 3108 HN

1 credit

Open to students meeting prerequisites

Prerequisites: Algebra I and Teacher Recommendation

Honors Geometry is based upon the same general description as Geometry. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

ALGEBRA II 3103

1 credit

Open to students meeting prerequisites

Prerequisites: Algebra I and Geometry

Algebra II reinforces and further develops topics studied in Algebra I and Geometry. Subject areas include rational, irrational, and complex numbers, along with an introduction to analytical geometry, logarithms, probability/statistics, and unit circle trigonometry. The use of technology is essential to the student's understanding of core concepts in this course.

A state end-of-course exam is required at the end of the second semester. It counts for 25% of second semester grade.

ALGEBRA II/ HONORS 3103HN

1 credit

Open to students meeting prerequisites

Prerequisites: Algebra I, Geometry, and Teacher Recommendation

Honors Algebra II is based upon the same general description as Algebra II. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

BRIDGE MATHEMATICS 3181

1 credit

Open to 12

Prerequisites: Algebra I, Geometry, and Algebra II

Students scoring 19 or higher on the math sub-score of the ACT may NOT be enrolled in this course.

The intention of Bridge Mathematics is to enable students to enter the workplace or a college-level mathematics course. Students will be reintroduced to essential math standards. Skills in this course should be developed in an environment that promotes learning beyond skill and drill techniques and should be introduced in conjunction with appropriate mathematical concepts. The use of technology is essential to the student's understanding of core concepts in this course.

SENIOR FINITE MATHEMATICS 3182

1 credit

Open to 12

Prerequisites: Algebra I, Geometry, and Algebra II

Senior Finite is designed to prepare students for both college and the workplace. This course will provide a foundation for students entering a general education mathematics course. Subject areas include numbers/operations, algebra, geometry/measurement, data analysis, statistics, and probability. The use of technology is essential to the student's understanding of core concepts in this course.

PRECALCULUS 3126

1 credit

Open to students meeting prerequisites

Prerequisites: Algebra I, Geometry, and Algebra II

PreCalculus is designed for the student planning to study in a math or science related field in college. Choosing PreCalculus indicates that the student intends to study calculus at the high school and/or college level. Subject areas include functions, triangle trigonometry, circular functions, inverse functions, harmonic motion, trigonometric identities, trigonometric equations, polar coordinates, complex numbers, vectors, logarithms, conics and sequences, series, and other fundamentals of advanced algebra. The use of technology is essential to the student's understanding of core concepts in this course. Students enrolling in PreCalculus should have scored at least a 22 on the math sub-score of the ACT.

PRECALCULUS/ HONORS 3126HN 1 credit Open to students meeting prerequisites

Prerequisites: Algebra I, Geometry, Algebra II, and Teacher Recommendation

Honors PreCalculus is based upon the same general description as PreCalculus. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

STATISTICS 3136 1 credit Open to students meeting prerequisites

Prerequisites: Algebra I, Geometry, and Algebra II

Statistics teaches methods and terminologies of descriptive and inferential statistics. Students will conduct their own analyses of standard one sample or two sample data sets, follow statistical reasoning, and read statistical reports with understanding. Introductory topics in linear regression, analysis of variance, and contingency table analysis will also be covered. The use of technology is essential to the student's understanding of core concepts in this course. Students enrolling in Statistics should have scored at least a 22 on the math sub-score of the ACT.

AP CALCULUS AB 3129 1 credit Open to students meeting prerequisites

Prerequisites: PreCalculus and Teacher Recommendation

AP Calculus AB is primarily concerned with developing the student's understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Subject areas include functions, graphs, limits, derivatives, and integrals. The use of technology is essential to the student's understanding of core concepts in this course. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

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AP STATISTICS 3127 1 credit Open to students meeting prerequisites

Prerequisites: Algebra I, Geometry, Algebra II, and Teacher Recommendation

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns; 2. Sampling and Experimentation: Planning and conducting a study; 3. Anticipating Patterns: Exploring random phenomena using probability and simulation; 4. Statistical Inference: Estimating population parameters and testing hypotheses. The use of technology is essential to the student's understanding of core concepts in this course. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

SCIENCE DEPARTMENT

PHYSICAL SCIENCE 3202

1 credit

Open to 9 - 12

Physical Science is a study of basic principles of physics and chemistry and builds the foundation to be successful in other science classes. Students investigate physical science concepts through an inquiry-based approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Energy, Matter, Motion, and Forces.

BIOLOGY I 3210

1 credit

Open to 10, 11, 12

Prerequisites: Physical Science or Chemistry

Biology I is a laboratory science course that investigates the relationship between structure and function from molecules to organisms and systems, the interdependence and interactions of biotic and abiotic components of the environment, and mechanisms that maintain continuity and lead to changes in populations over time. Students explore biological concepts through an inquiry approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Cells, Interdependence, Flow of Matter and Energy, Heredity, and Biodiversity and Change.

A state end-of-course exam is required at the end of the second semester. It counts for 25% of second semester grade.

BIOLOGY I/ HONORS 3210HN

1 credit

Open to selected students

Prerequisites: Physical Science or Chemistry (or select 9th graders who have successfully completed Science 8 Adv)

Biology I Honors is based upon the same general description as Biology I. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

CHEMISTRY I 3221

1 credit

Open to 10, 11, 12

Prerequisites: Physical science, Biology I, Algebra I

Chemistry I is a laboratory science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Students use science process skills to study the fundamental structure of atoms, the way atoms combine to form compounds, and the interactions between matter and energy. Students explore chemistry concepts through an inquiry-based approach. Embedded standards for Inquiry, Mathematics, and Technology & Engineering are taught in the context of the content standards for atomic structure, matter and energy, and interactions of matter.

A state end-of-course exam is required at the end of the second semester. It counts for 25% of second semester grade.

CHEMISTRY I/ HONORS 3221HN

1 credit

Open to 10, 11, 12

Chemistry I Honors is based upon the same general description as Chemistry I. Every honors course expands upon the standard course, as described in the Honors Courses section on pages xiv-xv of this document.

PHYSICS 3231

1 credit

Open to 11, 12

Prerequisites: Physical Science and minimum of Algebra II

Physics is a laboratory science course that examines the relationship between matter and energy and how they interact. This course will have a strong emphasis in the mathematics of physics. Students explore physics concepts through an inquiry approach. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Mechanics, Thermodynamics, Waves and Sound, Light and Optics, Electricity and Magnetism and Atomic & Nuclear Science.

ECOLOGY 3255

1 credit

Open to 11, 12

Prerequisites: Biology and Physical Science or Chemistry

Ecology is a laboratory science course that enables students to develop an understanding of the natural and man-made environment and the environmental problems the world faces. Students explore ecological concepts through an inquiry approach. Embedded standards for Inquiry and Technology & Engineering are taught in the context of the content standards for Individuals, Populations, Communities, Ecosystems, Biomes, Humans and Sustainability.

HUMAN ANATOMY AND PHYSIOLOGY 3251

1 credit

Open to 11, 12

Prerequisites: Biology I and Chemistry I

This course is a laboratory science course that includes an in-depth study of the body systems that maintain homeostasis from anatomical, physiological, and histological perspectives. Subject matter includes protection support, and movement, integration and regulation, transportation, absorption and excretion, reproduction, and growth and development. The course includes embedded inquiry, technology and engineering standards.

AP BIOLOGY 3217**1 credit****Open to selected 11 – 12****Prerequisites: Successful completion of Biology 1 and Chemistry**

This course is designed to be the equivalent of a college introductory biology course. It aims to provide students with the conceptual framework and analytical skills necessary to deal critically with the rapidly changing science of biology and follows the curriculum outline from the College Board. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

AP CHEMISTRY 3225**1 credit****Open to selected 11, 12****Prerequisites: Successful completion of Chemistry as well as Chemistry and Math Teacher recommendation**

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students in AP Chemistry should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

AP PHYSICS 1 (replaces AP Physics B)**1 credit****Open to selected 11,12****Prerequisites: Physical Science and minimum of Algebra II**

This full year high school course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits.

Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

NOTE: AP Physics 1 and AP Physics 2 will be offered altering years depending student interest.

AP PHYSICS 2**1 credit****Open to selected 12****Prerequisites: AP Physics 1 or Physics and minimum of Algebra II**

This full year high school course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics.

Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

NOTE: AP Physics 1 and AP Physics 2 will be offered altering years depending student interest.

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY AND GEOGRAPHY

1 credit

Open to 9, 10, 11, 12

Students will study the rise of the nation state in Europe, the French Revolution, and the economic and political roots of the modern world. They will examine the origins and consequences of the Industrial Revolution, nineteenth century political reform in Western Europe, and imperialism in Africa, Asia, and South America. They will explain the causes and consequences of the great military and economic events of the past century, including the World Wars, the Great Depression, the Cold War, and the Russian and Chinese Revolutions. Finally, students will study the rise of nationalism and the continuing persistence of political, ethnic, and religious conflict in many parts of the world. Relevant Tennessee connections will be part of the curriculum, as well as appropriate primary source documents. Students will explore geographic influences on history, with attention given to political boundaries that developed with the evolution of nations from 1750 to the present and the subsequent human geographic issues that dominate the global community. Additionally, students will study aspects of technical geography such as GPS and GIS, and how these innovations continuously impact geopolitics in the contemporary world.

PERSONAL FINANCE 3496

½ credit

Open to 10, 11, 12

This course is designed to address the basics of money and income management. Students will learn how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending, credit, saving, and investing. Students will design personal and household budgets; simulate use of checking and savings accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. The course provides a foundational understanding for making informed personal financial decisions.

UNITED STATES HISTORY AND GEOGRAPHY

1 credit

Open to 11

Students will examine the causes and consequences of the Industrial Revolution and America's growing role in world diplomatic relations, including the Spanish-American War and World War I. Students will study the goals and accomplishments of the Progressive movement and the New Deal. Students will also learn about the various factors that led to America's entry into World War II, as well as its consequences for American life. Students will explore the causes and course of the Cold War. Students will study the important social, cultural, economic, and political changes resulting from the Civil Rights Movement, the Cold War, and recent events and trends that have shaped modern-day America. Additionally, students will learn the causes and consequences of contemporary issues impacting their world today. Students will continue to use skills for historical and geographical analysis as they examine American history since Reconstruction with special attention to Tennessee connections in history, geography, politics, and people. Students will continue to learn fundamental concepts in civics, economics, and geography within the context of United States history. The reading of primary source documents is a key feature of United States history standards. Finally, students will focus on current human and physical geographic issues important in contemporary America and the global society. A state end-of-course exam is required at the end of the second semester. It counts for 25% of second semester grade.

ECONOMICS 3431

½ credit

Open to 12

Students will examine the allocation of scarce resources and the economic reasoning used by government agencies and by people as consumers, producers, savers, investors, workers, and voters. Key elements of the course include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Students will examine the key economic philosophies and economists who have influenced the economies around the world in the past and present. Informational text and primary sources will play an instrumental part of the study of economics where it is appropriate.

UNITED STATES GOVERNMENT AND CIVICS

½ credit

Open to 12

Students will study the purposes, principles, and practices of American government as established by the Constitution. Students are expected to understand their rights and responsibilities as citizens and how to exercise these rights and responsibilities in local, state, and national government. Students will learn the structure and processes of the government of the state of Tennessee and various local governments. The reading of primary source documents is a key feature of United States Government and Civics standards.

SOCIOLOGY 3432

½ - 1 credit

Open to 11, 12

Students will explore the ways sociologists view society, and also how they study the social world. In addition, students will examine culture, socialization, deviance and the structure and impact of institutions and organizations. Also, students will study selected social problems and how change impacts individuals and societies.

CONTEMPORARY ISSUES 3435

½ - 1 credit

Open to 11, 12

Students will use inquiry skills to examine the issues that impact the contemporary world. Included in the course will be analysis of the historical, cultural, economic, and geographic factors that have raised certain issues to levels of concern in our nation and around the globe. Students will engage in research and problem solving in order to better understand and assess significant current issues.

PSYCHOLOGY 3433**½ - 1 credit****Open to 11, 12**

Students will study the development of scientific attitudes and skills, including critical thinking, problem solving, and scientific methodology. Students will also examine the structure and function of the nervous system in human and non-human animals, the processes of sensation and perception, and life span development. Students will study social cognition, influence, and relations. Students will examine social and cultural diversity and diversity among individuals. Students will study memory, including encoding, storage, and retrieval of memory. Students will also study perspectives of abnormal behavior and categories of psychological disorders, including treatment thereof. Students will elaborate on the importance of drawing evidence-based conclusions about psychological phenomena and gain knowledge on a wide array of issues on both individual and global levels. Throughout the course, students will examine connections between content areas within psychology and relate psychological knowledge to everyday life. Students will explore the variety of careers available to those who study psychology.

AP UNITED STATES HISTORY 3440**1 credit****Open to 11**

This 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 program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

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AP GOVERNMENT AND POLITICS 3445**1 credit****Open to 12**

This course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students successfully completing this course will be able to:

- know important facts, concepts, and theories pertaining to U.S. government and politics
- understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures)
- analyze and interpret basic data relevant to U.S. government and politics (including data presented in charts, tables, and other formats)
- critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum.

Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

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AP EUROPEAN HISTORY SINCE 1450 3441**1 credit****Open to 10, 11, 12**

This course introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principal themes in modern European history (b) an ability to analyze historical evidence and historical interpretation (c) an ability to express historical understanding in writing. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The cost of the exam is determined by the College Board.

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AP MACROECONOMICS**½ credit****Open to 12**

The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

All AP courses are based upon a common foundation of information from the College Board's AP program itself, the State of Tennessee, and the Clarksville-Montgomery County School System. This essential information is located in the Advanced Placement [AP] section on pages xiv-xv of this document.

AP MICROECONOMICS**½ credit****Open to 12**

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

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FOREIGN LANGUAGE DEPARTMENT

*NOTE: Ninth grade students may not be enrolled in Foreign Languages unless they are also enrolled in Honors English I.

GERMAN I 3051

1 credit

***Open to 10, 11, 12**

German I is intended to introduce the beginning student to the sounds, vocabulary, and grammar necessary for basic conversational needs and to provide cultural information on the German speaking countries. The student will move from the practice of first year German toward the real use of the language. The student will learn reading, writing, sound discrimination, and utilization of vocabulary.

GERMAN II 3052

1 credit

Open to 10, 11, 12

Prerequisite: German I or teacher approval

In addition to a review of materials studied in the first year, German II offers the student expanded conversation, reading, and grammar. More emphasis is placed on the speaking of German, as well as understanding more meaningful reading materials. Students will be required to do a German project during second semester.

GERMAN III 3053

1 credit

Open to 11, 12

Prerequisite: Must have passed German II with an 85 or above. Teacher recommendation

German III includes a short review of grammar used in German I and II as well as more sophisticated grammar structures. Students will focus on reading, writing, and translating more advanced texts. German conversation will also be emphasized in the classroom including discussion of current events and important topics in today's world. The student will use technology regularly to present information to classmates as well as research and practice chapter topics.

SPANISH I 3021

1 credit

***Open to 10, 11, 12**

Students will move from practice to everyday conversation, demonstrate skills in the correct pronunciation of Spanish, comprehend orally simple Spanish on familiar topics, and use active Spanish vocabulary in class. The student should be able to apply grammar structure in the language and read with comprehension. The student will appreciate the contributions of the Spanish-speaking world.

SPANISH II 3022

1 credit

Open to 10, 11, 12

After a brief review of material studied in Spanish I, the student will learn more advanced grammar and vocabulary. Students will be required to converse more in Spanish and will be required to read Spanish effectively. The student must also be willing to do more independent study as the grammar becomes more sophisticated

SPANISH III/IV 3027

1 credit

Open to 11, 12

Prerequisite: Must have passed Spanish II with an 85 or above. Teacher recommendation

Spanish III is a continuation of advanced grammar and vocabulary experienced in Spanish II. The vocabulary will be very intense as students learn how to function in a Spanish-speaking atmosphere. This class is for the student who truly enjoys the Spanish experience and wants to become very proficient in reading, writing and speaking Spanish. The student will continue learning even more about the Hispanic culture.

WELLNESS AND PHYSICAL EDUCATION DEPARTMENT

LIFETIME WELLNESS 3303

1 credit

Open to 9, 10, 11, 12

This class is required for 9th grade students, but may be postponed until 10th grade if recommended by the guidance counselor. It will incorporate physical education, nutrition, drug education, safety, and health education. Physical Education and Health courses from other states will not substitute. *If a student does not pass this course s/he will not be able to re-take it until 12th grade.*

PHYSICAL EDUCATION 3301

½ credit

Open to 10, 11, 12

This is a ½ credit graduation requirement. Physical Education places more demands on physical conditioning of the student. Class includes weight training, flexibility, vigorous running, agility programs, and team and individual sports.

ADVANCED PHYSICAL EDUCATION 3301

1 credit

Open to 10, 11 and 12

Pre-requisite: Teacher Recommendation

Advanced Physical Education is a rigorous upper level class. This class includes advanced plyometrics and sport specific training for more physically advanced students.

JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC) DEPARTMENT

The Army JROTC program is a cooperative effort of the United States Army and the host institution to provide secondary school pupils opportunities for all-around development. The program provides excellent training opportunities in citizenship, management, supervision, leadership responsibilities and the opportunity for the exercise of authority and respect for school rules and law and order. Satisfactory completion of the program may lead to advanced placement credit in Senior ROTC of advanced rank in the active or reserve component of the Armed Forces. Cadets are required to wear their issued uniforms once each week and maintain appearance standards similar to those of active duty military personnel. Parents must sign the consent form issued by JROTC (Department of the Army) stating their dependent can meet the physical demands of the course. Cadets represent what is best in our society and carry on a long tradition of patriotism and a dedication to being good citizens. JROTC's mission is *'To Motivate Young People to Become Better Citizens'*.

Cadets may earn their varsity letter by participation in one of the following Extra-Curricular Activities and meeting the individual program's eligibility requirements: Drill Team, Color Guard or Raider Team. Individual schools may offer additional JROTC extra curricular activities.

JROTC Course Substitution / Equivalency Credits:

- JROTC (2 years) for Lifetime Wellness (1 credit) and Physical Education (.5 credit)
- JROTC (3 years) for U.S. Government (.5 credit) and Personal Finance (.5 credit)

JROTC I 3331

1 credit

Open to 9, 10, 11 and selected 12

This basic course consists of material from the six core JROTC units including: Citizenship in Action, Leadership Theory and Application, Foundation for Success, Wellness Fitness and First Aid, Geography and Earth Science, Citizenship in American History and Government in Action.

JROTC II 3332

1 credit

Open to 10, 11 and 12

Prerequisite: JROTC I

This course continues with JROTC topics on an intermediate level.

JROTC III 3333

1 credit

Open to 11 and 12

Prerequisites: JROTC II and JROTC Instructor Approval.

This course continues with JROTC topics on an applied level. In addition to normal classroom activities, cadets are assigned to leadership position within the Corps of Cadets. Cadet rank may be earned within the battalion through demonstrated leadership and participation within the program.

JROTC IV 3334

1 credit

Open to 11 and 12

Prerequisites: JROTC III, JROTC Instructor Approval, and promotion to a staff or leadership position within the Battalion.

This course continues with JROTC topics on an advanced level.

FINE ARTS DEPARTMENT

INTRODUCTION TO FINE ARTS 3556

1 credit

Open to 9, 10, 11, 12

Introduction to Fine Arts is designed to give the high school student an experience in several fine arts areas. By exploring at least three of the four areas of Fine Arts (Dance, Music, Theater, and Visual Arts), the student will develop problem-solving and critical-thinking skills, enhance creativity and perceptual skills, and develop an appreciation for the arts which in turn will reinforce academic skills. The student will explore the cultural and historical context of dance, the creative and intrinsic values of music, theatre's significance and influence on society, and how art is an interpretation of the times. The relationships among these arts areas will also be explored through common vocabulary, the study of historical periods, and how the arts singularly and collectively reflect the times both past and present.

ART I 3501

1 credit

Open to 9, 10, 11, 12

This course is a basic introduction to various areas of two and three-dimensional art. Grading system: attendance, participation, effort, attitude, improvement and assessment.

ART II 3502

1 credit

Open to 10, 11, 12

Prerequisite: Art I and teacher approval

This course is an extension of Art I with emphasis on drawing and painting techniques and some craftwork. It is designed for 10th, 11th or 12th grade students with a serious interest in expanding their Art knowledge and skill.

ART III 3503

1 credit

Open to 11,12

Prerequisite: Art II and teacher approval

This course is for students planning on an arts related career after high school. Students are required to maintain a portfolio of work to use in preparation for admission to post graduate schools or art related job interviews. Grading system includes talent.

AP STUDIO ART (2D, 3D, or DRAW) 3545, 3544, 3533

1 credit

Open 11, 12

Prerequisite: Art II and teacher approval

The AP Studio Art course is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students are required to submit a comprehensive portfolio to the College Board for evaluation at the end of the school year.

AP HISTORY OF ART 3534

1 credit

Open to 11, 12

Students examine major forms of artistic expression from the ancient world to the present and from a variety of cultures. They learn to look and analyze works of art within their historical context, and to articulate what they see or experience in a meaningful way.

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THEATER ARTS I 3520

1 credit

Open to 9, 10, 11, 12

Theater Arts I is primarily an action class in which the student will be involved in theater activities. The student will learn about theater and then produce plays. Units of study are as follows: pantomime, improvisational acting, writing scripts, lighting, costumes, make-up, set design, advertising plays, acting, and directing. Theater Arts I classes will produce a one-act play during the second semester. All theater arts classes will attend professional productions throughout the school year.

THEATER ARTS II/III 3560

1 credit

Open to 10, 11, 12

Prerequisite: Theater Arts I and teacher approval

Theatre II/III is an advanced class focusing on performance elements and staging. Students must have a firm grasp of stage skills and theatre knowledge in order to advance. Theatre II/III students are dedicated to creating performances for a variety of genres; at the end of the year, all advanced students will perform one final show for an audience that focuses on the best pieces from the year.

THEATER ARTS IV 3523

1 credit

Open to 11, 12

Prerequisite: Theater Arts II/III and teacher approval

Theatre IV is an advanced class focusing on performance elements, staging, directing, and playwriting. Students will use the skills gained in previous classes in order to step into the role of director and producer. An emphasis is placed on script study and performance skills. At the end of the year, all advanced students will perform one final show for an audience that focuses on the best pieces from the year.

- INSTRUMENTAL MUSIC (BAND) 3530 1 credit Open to 9, 10, 11, 12**
Prerequisite: Teacher approval
 This full-year class serves as the marching band during the marching season and performs concert music for the remainder of the year. Students must attend band camp in the summer in preparation for the marching field show. The band performs at all home football games, local away football games, competitions on Saturdays, concerts, festivals, and community events. The class focuses on the development of fundamental and advanced performance techniques with an emphasis on standard wind literature. Students are required to attend after school rehearsals and all performances. The color guard is also part of this class. An audition, held in the spring, is required for participation in the color guard.
- GUITAR I 3552 1 credit Open to 9, 10, 11, 12**
 The focus of the beginning guitar course will include the development of guitar techniques, listening skills, and music reading. Students will be required to perform throughout the year in class and in public as necessary. Students must provide their own acoustic guitar and required supplies to maintain their instrument.
- GUITAR II 3553 1 credit Open to 9, 10, 11, 12**
Prerequisite: Teacher approval
 This course is intended for students wishing to continue learning guitar. The focus is on advanced techniques, listening skills, and performance. Intermediate to advanced literature for guitar will be presented. Students are required to perform throughout the year in class and in public concerts. Students must provide their own acoustic guitar and required supplies to maintain their instrument.
- GENERAL MUSIC 3505 1 credit Open to 9, 10, 11, 12**
 This course explores the different facets of music using listening exercises. The student learns to recognize and appreciate the various types of music including jazz, rock, folk, contemporary, computerized, and classical. Students are not required to have any other musical background to take this class.
- VOCAL MUSIC (CHORUS) 3531 1 credit Open to 9, 10, 11, 12**
 Emphasis in this course is on voice development. It is an intermediate mixed choir for capable students who have an interest in developing a foundation in music. This course also includes the fundamentals of music reading, part-singing, and elementary theory. Since this is a performing group, students are expected to attend all performances, which will include occasional evening, and/or weekend performances.
- VOCAL MUSIC (ADVANCED CHOIR) 3531 1 credit Open to 9, 10, 11, 12**
Prerequisite: Audition and teacher approval
 Aria is an audition group of ladies that focuses on women's choral literature both contemporary and classical. It is a performing group with several performances each year. Each student is required to be in the class and work independently on music outside of the classroom. Students are required to attend all performances and rehearsals, which will include evenings and weekends. There will be a required evening rehearsal each week during the spring semester.
- VOCAL MUSIC (MAINSTREAM SHOW CHOIR) 3531 1 credit Open to 9, 10, 11, 12**
Prerequisite: Audition and teacher approval
 Mainstream is a small singing ensemble for highly talented and motivated students. It's a performing group with an average of 15 performances per year. Each student is required to take the class and to do outside work on music when necessary. Emphasis in this class is on ensemble skills, independent part reading, vocal techniques, and performance techniques. Students are required to attend all performances and rehearsals, which will include evening and weekend performances. There will be a required rehearsal one evening each week.

Northwest High School CTE Programs of Study

CTE Programs of Study	Year 1	Year 2	Year 3	Year 4
Veterinary and Animal Science	Agriscience	Small Animal Science	Large Animal Science	Veterinary Science and/or Work Based Internship at Vet Office
Business Management	Computer Applications	Business Principles	Accounting I	Business Management or Virtual Enterprise International
Teaching as a Profession	Fundamentals of Education	Teaching as a Profession I	Teaching as a Profession II	Teaching as a Profession III
Cosmetology	Principles of Cosmetology	Design Principles of Cosmetology	Chemistry of Cosmetology (2 credits)	Entrepreneurship
Law Enforcement Services	Principles of Law, Corrections, and Security	Criminal Justice I	Criminal Justice II	Criminal Justice III/ Investigation
Entrepreneurship	Exploration of Organizational Leadership and Marketing	Marketing and Management I: Principles	Marketing and Management II: Advanced Strategies	Entrepreneurship or Virtual Enterprise International
Automotive Maintenance and Light Repair	Maintenance and Light Repair I	Maintenance and Light Repair II	Maintenance and Light Repair III (2 credits)	Maintenance and Light Repair IV (2 credits)
Collision Repair Technology	Collision Repair: Non-Structural (2 credits)	Collision Repair: Painting and Refinishing (2 credits)	Collision Repair : Structural (2 credits)	
Therapeutic Nursing Services (Academy)	Health Science Education	Medical Therapeutics	Anatomy/ Physiology or Medical Terminology	Nursing Education (2 credits)
Emergency Services (Academy)	Health Science Education	Emergency Preparedness	Anatomy/ Physiology or Medical Terminology	Emergency Medical Services (2 credits)
Health Services Administration (Academy)	Computer Applications	Health Science Education	Administrative Management	Health Information Technology