**MCHS COURSE OFFERINGS**

**TABLE OF CONTENTS**

Department of English……………….………………………………….………………2-4

Department of Mathematics…………………….……….…..….……………………………….………4-6

Department of Science……………..………………….…….….……………………………………….7-8

Department of Social Studies……………………….…………………....…………………….……………..9-10

Department of World Language…………………...……………………..………………………………….11-12

Department of Fine Arts……………………...……..…………..…………….…………………...............12-13

Department of Health

and Physical Education…………………………………………………..……..……….14

Department of Junior Reserve

Officers’ Training Corp (JROTC)……………………………..……...…….………..14-15

Service Learning and Peer Mentoring………………………………………..……………………..…..…………….16

MCHS CTE Programs of Study………...………………………………………………..16

NOTE: The CMCSS CTE programs of study and course descriptions

are at the end of the academic catalog.

**ENGLISH DEPARTMENT**

**ENGLISH I 3001 1 credit Open to 9**

In this course, students will practice literacy skills through an integrated model. Specifically, students will read literature and informational text, practice academic writing, conduct research, engage in speaking and listening skills, and apply language skills. 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.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**ENGLISH I/ HONORS 3001HN 1 credit Open to 9**

**Prerequisites: Teacher Recommendation**

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.

**ENGLISH II 3002 1 credit Open to 10**

In this course, students will practice literacy skills through an integrated model. English II shares the same standards as English I but significantly increases the rigor with which those standards are taught. Students will practice literacy skills through an integrated model. Specifically, students will read literature and informational text, practice academic writing, conduct research, engage in speaking and listening skills, and apply language skills. 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.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**ENGLISH II/ HONORS 3002HN 1 credit Open to 10**

**Prerequisites: Teacher Recommendation**

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

**ENGLISH III 3003 1 credit Open to 11**

In this course, students will practice literacy skills through an integrated model. English III continues the student’s growth and sophistication in all language arts skills with an increased emphasis on engagement with informational text. Students will continue to practice literacy skills through an integrated model. Specifically, students will read literature and informational text, practice academic writing, conduct research, engage in speaking and listening skills, and apply language skills. 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.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

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

**ENGLISH III/ HONORS 3003HN 1 credit Open to 11**

**Prerequisites: Teacher Recommendation**

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.

**ENGLISH IV 3005 1 credit Open to 12**

In this course, students will practice literacy skills through an integrated model. English IV shares the same standards as English III but significantly increases the rigor with which those standards are taught. Students will continue to practice literacy skills through an integrated model. Specifically, students will read literature and informational text, write academic texts, conduct research, practice speaking and listening skills, and apply language skills. 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 IV/ HONORS 3005HN 1 credit Open to 12**

**Prerequisites: Teacher Recommendation**

The Honors English IV course 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.

**ENGLISH IV/DUAL ENROLLMENT 4039DE 1 credit Open to 12**

**Prerequisites: Teacher Recommendation**

The Dual Enrollment English IV (ENG 1010) course is a study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Documented research paper required.

The Dual Enrollments English IV (ENG 1020) course is a study of argumentative and analytical writing. Topics include advanced methods of composition, analysis and explication of literature/ essays, elements of persuasion, use of evidence, and advanced methods of research. Prerequisite for ENG 1020: [ENGL 1010](http://catalog.nscc.edu/content.php?catoid=12&catoid=12&navoid=862&filter%5Bitem_type%5D=3&filter%5Bonly_active%5D=1&filter%5B3%5D=1&filter%5Bcpage%5D=3" \l "tt7882" \t "_blank)

This course is currently taught on the MCHS campus through Nashville State Community College.

**ADVANCED PLACEMENT [AP] ENGLISH LANGUAGE / COMPOSITION 3013 Prerequisites: Teacher Recommendation** **1 credit Open to 11**

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.

**ADVANCED PLACEMENT [AP] ENGLISH LITERATURE / COMPOSITION 3014**

**Prerequisites: Teacher Recommendation** **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.

**CREATIVE WRITING 3012 1 credit Open to 9,10,11,12**

***This course may be offered based on student interest***

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.

**MATHEMATICS DEPARTMENT**

**ALGEBRA I 3102 1 credit Open to 9**

Algebra I emphasizes linear and quadratic expressions, equations, and functions. This course also introduces students to polynomial and exponential functions with domains in the integers. Students explore the structures of and interpret functions and other mathematical models. Students build upon previous knowledge to reason, solve, and represent equations and inequalities in multiple ways.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**ALGEBRA I/ HONORS 3102 HN 1 credit Open to 9th meeting prerequisites**

**Prerequisites: Teacher Recommendation**

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

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**GEOMETRY 3108 1 credit Open to students meeting prerequisites**

**Prerequisite: Algebra I**

Geometry emphasizes similarity, right triangle trigonometry, congruence, and modeling geometry concepts in real life situations. Students build upon previous knowledge of similarity, congruence, and triangles to prove theorems and reason mathematically. This course also introduces students to geometric constructions and circles.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**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.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**ALGEBRA II 3103 1 credit Open to students meeting prerequisites**

**Prerequisites: Algebra I and Geometry**

Algebra II emphasizes polynomial, rational and exponential expressions, equations, and functions. This course also introduces students to the complex number system, basic trigonometric functions, and foundational statistics skills such as interpretation of data and making statistical inferences. Students build upon previous knowledge to reason, solve, and represent equations and inequalities in multiple ways.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**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.

A state end-of-course exam is required at the end of the second semester. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**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.**

Bridge Math is a course intended to build upon concepts taught in previous courses to allow students to gain a deeper knowledge of the real and complex number systems as well as the structure, use, and application of equations, expressions, and functions. Functions emphasized include linear, quadratic, and polynomial. Students continue mastery of geometric concepts such as similarity, congruence, right triangles, and circles. Students use categorical and quantitative data to model real life situations and rules of probability to compute probabilities of compound events.

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

**Prerequisites: Algebra I, Geometry, and Algebra II and teacher recommendation**

PreCalculus is designed to prepare students for college-level STEM focused courses. Students extend their knowledge of the complex number system to use complex numbers in polynomial identities and equations. Topics for student mastery include vectors and matrix quantities, sequences and series, parametric equations, and conic sections. Students use previous knowledge to continue progressing in their understanding of trigonometric functions and using regression equations to model quantitative data. Students enrolling in PreCalculus should have scored at least a 22 on the math sub-score of the ACT. 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 is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The major themes in Statistics include: interpreting categorical and quantitative data, conditional probability and other rules of probability, using probability to make decisions, and making inferences and justifying conclusions.

**CALCULUS 3113 1 credit Open to students meeting prerequisites**

**Prerequisite: PreCalculus**

Calculus is designed for students interested in STEM-based careers and builds on the concepts studied in PreCalculus. Calculus 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 an introduction to integrals.

**AP CALCULUS AB 3127 1 credit Open to students meeting prerequisites**

***This course may be offered based on student interest***

**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.

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 STATISTICS 3127 1 credit Open to students meeting prerequisites**

***This course may be offered based on student interest***

**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**

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 coursethat 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. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**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), Teacher Recommendation**

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. The score will count a percentage of the second semester grade as determined by the Tennessee State Board of Education.

**Chemistry I/ Honors 3221HN 1 credit Open to selected 10, 11**

**Prerequisites: Teacher Recommendation**

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**

***This course may be offered based on student interest***

Physics is a laboratory science coursethat 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.

**Physics/ Honors 3231HN 1 credit Open to 11, 12**

**Prerequisites: Teacher Recommendation**

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

**Anatomy / 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: Teacher Recommendation**

**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**

***This course may be offered based on student interest***

**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 ENVIRONMENTAL SCIENCE 3236 1 credit Open to selected 11,12**

***This course may be offered based on student interest***

**Recommended: 2 previous lab sciences (one life and one physical such as Biology and Chemistry)**

The AP Environmental Science year-long course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

**SOCIAL STUDIES DEPARTMENT**

**WORLD HISTORY & GEOGRAPHY 3401 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 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 & GEOGRAPHY 3405 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.

**UNITED STATES HISTORY & GEOGRAPHY/ HONORS 3405HN 1 credit Open to 11**

***This course may be offered based on student interest***

**Prerequisite: Teacher Recommendation**

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

**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 & CIVICS 3407 ½ credit Open to 10, 11**

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 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 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 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**

**Prerequisites: Teacher Recommendation**

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.

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.

**WORLD LANGUAGE DEPARTMENT**

**SPANISH I 3021 1 credit Open to 9,10, or other as needed**

This course emphasizes the development of a solid foundation of communicative skills in listening, speaking, reading, and writing. Hispanic culture is taught in context throughout the course.

**SPANISH II 3022 1 credit Open to 10,11,12**

This course expands upon the listening, speaking, reading, and writing skills developed in Spanish I. Students will be able to read longer narratives and understand main points in conversations and oral stories through the development of an expanded vocabulary and extension of grammar mastery. An understanding of Hispanic culture and its influence on the U.S. and world is expanded.

**SPANISH III 3024                                      1 credit                                                           Open to 10,11,12**

**Prerequisite: 85% or better in Spanish II and teacher recommendation**

Students will explore deeper grammatical areas when using the language in context and vocabulary units, such as slang, while also focusing on language necessary in the real world. Literature will continue to be integrated in order for students to demonstrate a higher level of fluency in the four major areas of speaking, listening, reading, and writing. At this level, students will be expected to converse in Spanish daily, produce major products in Spanish, and analyze literature pieces in Spanish. While culture is integrated throughout the course as applicable and relevant, the history, geography, and government of Spanish-speaking countries will be the focus at this highest level.

**SPANISH IV/AP 3082 1 credit Open to 11, 12**

***This course may be offered based on student interest***

**Prerequisite: Spanish III or teacher recommendation**

AP Spanish Language is intended for students who wish to develop their proficiency in all language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading and writing. Each student will be required to take the AP assessment created by the College Entrance Examination Board. The College Board determines the cost of the AP exam.

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.

**LATIN I 3031** **1 credit Open to 9, 10 or other as needed**

This course introduces students to basic Latin grammar and to the fundamentals of Roman history and culture.  The structure of Latin and English is compared. Students learn to recognize and use elements of the Latin language to increase knowledge of their own language.  Students are eligible to join the Junior Classical League and participate in competition at the regional, state, and national level.

**LATIN II 3032**  **1 credit Open to 10,11,12**

This course emphasizes students’ vocabulary development, reading comprehension, and simple composition skills. English derivatives and the etymology of words from Latin are studied. Students develop an in-depth understanding of Latin and English through continued study of Latin Grammar. Roman history and culture are studied, as well as the basics of Greco-Roman mythology. Readings that have been adapted to student levels, as well as non-adapted readings in Latin, are used throughout the course, with emphasis on comprehension of the non-adapted passages. Students are eligible to join Junior Classical League and participate in competition at the regional, state, and national level.

**LATIN III 3033 1 credit Open to 11, 12**

**Prerequisites: Latin II and teacher recommendation**

The class offers extensive reading in Latin; authors such a Vergil, Catullus, and Ovid or Cicero may be included in alternating years. In addition, there will be interpretive reading of the literature covered focusing upon the works themselves as well as related works from Greek and Latin authors (read in English). The study of Roman and Greek history, mythology and culture will be continued. Students enrolled in Latin III/IV are eligible to join the Junior Classical League.

**LATIN IV   3034                                                       1 credit                                              Open to 11, 12 Prerequisite:  Latin III and Teacher Recommendation**

In this course students will continue their study of classical literature, both in Latin and in English.  Translation of both prose and poetry will be emphasized, along with the connection of classical studies to other disciplines.  Students will read, analyze, and interpret Latin literature from historical, dramatic, biographical, and epigraphical sources. Students enrolled in Latin IV are eligible to join Junior Classical League (JCL) and participate in competition at the local, state, and national level.

**FINE ARTS DEPARTMENT**

**INTRODUCTION TO FINE ARTS 3556 1 credit Open to 9, 10, 11, 12**

***This course may be offered based on student interest***

This course is designed to give high school students an experience in several fine arts areas. By exploring at least three of the four areas of Fine Arts, students will develop problem-solving and critical-thinking skills, enhance their creativity and perceptual skills, and develop an appreciation for the arts which in turn will reinforce their academic skills. The relationships among these arts areas will also be explored through common vocabulary, the study of historical periods, and the way that 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.

**ART IV: DIGITAL PHOTOGRAPHY 3504 1 credit Open to 10, 11, 12**

**Prerequisites: Art I, teacher approval, personal digital camera, USB drive**

Students seriously interested in photography will work with professional lighting equipment, digital cameras and Photoshop. Students will work in the classroom, in the field, and also with online tutorials and project lessons. Students should have a personal digital camera and access to the internet outside the classroom. Students are responsible for supply costs and a certification-testing fee.

**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

**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.

**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.

**WELLNESS AND PHYSICAL EDUCATION DEPARTMENT**

**PHYSICAL EDUCATION I 3301 ½ - 1 credit Open to 9, 10, 11, 12**

This course is designed to help students prepare mentally, physically, socially, and emotionally to meet the demands of the future. This course emphasizes the mastery of skills related to personal fitness, individual sports, team games, and rhythm/gymnastics fundamentals as well as maintenance of fitness through conditioning programs. Students engage in safe and appropriate use of equipment, proper warm-up and cool-down procedures, and positive behaviors in fitness, wellness and movement to develop enjoyment, appreciation and success in physical fitness for a lifetime.

**LIFETIME WELLNESS 3303 1 credit Open to 9**

**Open to 10,11, 12 as needed**

This course provides students with a foundational knowledge of health and wellness practices and issues encompassing seven standards: Disease Prevention and Control, Nutrition, Substance Use and Abuse, Mental/Emotional/Social Health, Sexuality and Family Life, Safety and First Aid, and Personal Fitness. Each standard is addressed in a classroom and/or physical activity setting. Personal fitness and nutrition are emphasized and integrated throughout the course. Students acquire knowledge and skills necessary to make informed decisions regarding their health and well-being throughout their lifetime.

**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 high school students leadership and character development opportunities. The program provides education in citizenship, leadership development, decision-making, and the opportunity for the exercise of authority and respect for school rules, and law and order. **CMCSS offers JROTC as an Elective Course. Participation in the course is completely voluntary.** Students enrolled in the CMCSS JROTC Program incur no US Military Service obligation. Parents must sign the consent form issued by JROTC (Department of the Army) stating their dependent can meet the physical demands of the course and course expectations. Cadets are required to wear their issued uniforms once each week and maintain **grooming** appearance standards similar to those of active duty military personnel. Cadet uniforms are provided at no cost. 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 **Co-Curricular** Activities and meeting the individual program’s eligibility requirements: Drill Team, Color Guard, Marksmanship Teams, Raider Teams, **Robotics Teams**, or the Academic and Leadership Teams (JLAB). Individual schools may offer additional JROTC **Co-curricular** Activities.

At all times cadets are expected to maintain a high degree of professionalism with regards to their personal conduct, behavior and academic discipline. Cadets assigned to the Alternative School may be subject to disenrollment.

**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 and Personal Finance (.5 credit)

**JROTC I 3331** **1 credit Open to 9, 10, 11, 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. Cadets begin to develop new skills they will use in high school and throughout life. This introductory course develops a greater appreciation of American History, Traditions and the Purpose of Army JROTC. This course introduces Leadership Development, Theories of Leadership, Skills, Traits and Principles necessary to influence human behavior. Lessons concentrate on; Self-awareness, Learning how to Learn, Study Skills, Communications Skills, Conflict Resolution, Personal Finance and an Introduction to Service Learning. Cadet rank may be earned within the battalion through demonstrated leadership and participation within the program.

**JROTC II 3332 1 credit Open to 10, 11, 12**

**Prerequisite: JROTC I**

This course continues with JROTC topics on an intermediate level. Lessons concentrate on; Achieving a Healthy Lifestyle, First Aid for Emergency and Non-Emergency Situations, Drug Awareness, Map Reading Skills, Citizenship Skills, Foundations of the American Political System, Creating the US Constitution, The Bill of Rights, Citizen Roles in American Democracy and Service Learning. Cadet rank may be earned within the battalion through demonstrated leadership and participation within the program.

**JROTC III 3333 1 credit Open to 11, 12**

**Prerequisites: JROTC II and JROTC Instructor Approval.**

This course continues with JROTC topics on an applied level. Lessons concentrate on; Citizenship in Action, Leadership Theory and Application, Celebrating Cultural and Individual Diversity, Negotiating and Decision Making. Course work focuses on Presentation Skills such as Becoming a Better Writer, Speech Writing and Public Speaking. Course work also includes Anger Management Techniques, Conflict Resolution and Diversity, Mediation Techniques, Violence Prevention, Career Exploration, Planning Skills, Social Responsibility, Financial Planning, Critical Thinking and Service Learning. Cadet rank may be earned within the battalion through demonstrated leadership and participation within the program.

**JROTC IV 3334 1 credit Open to 11, 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. Lessons focus on; Service to the Nation, Leadership Principals, Personal Finance, Teaching Skills, Service Learning and Applied Leadership in a Command or Staff Position.

***ADDITIONAL COURSES THAT MAY BE TAKEN AS ELECTIVES***

**SERVICE LEARNING 9395 1 credit Open to 11, 12**

**Prerequisite: Teacher Approval**

Service Learning provides high school students the opportunity to work as tutors for students during the school day. Class times will be determined based on the best alignment of the school schedules. Students will be trained in teaching techniques, planning and technology during the first 4 weeks of school. Students will then begin tutoring 3 days per week. Two days per week students will be in the classroom preparing lessons, creating manipulatives, filming/recording, pod casts, etc. Students taking this class should have strong attendance records and be willing to work with younger students. Students should be prepared to be responsible for any equipment used during tutoring sessions. Students will also be asked to reflect on tutoring experiences and to problem solve with other tutors.

**PEER MENTORING 3499 1 credit Open to 12**

**Prerequisite: Teacher approval**

This class is designed to give students the opportunity to work with the students in the Comprehensive Development Class. This is a task-oriented class, teaching skills necessary to work in a nursing home or day care facility.

MCHS CTE Programs of Study

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Program of Study** | **Year 1** | **Year 2** | **Year 3** | **Year 4** |
| ***Agriculture: Academy Animal Science Pathway*** | Agriscience | Small Animal Science | Large Animal Science | Career Practicum |
| ***Horticulture: Academy Plant Pathway*** | Agriscience | Principles of Plant and Hydroculture | Greenhouse Management | Career Practicum |
| ***Architecture and Construction*** | Fundamentals of Construction | Structural Systems I | Structural Systems II (2 periods) | Career Practicum (based on space in master schedule) |
| ***Business: Office Management*** | Computer Applications | Business Communications | Business Management | Career Practicum |
| ***Health Science: Therapeutic Nursing Services*** | Health Science Ed. | Medical Therapeutics | HS Anatomy or Anatomy and Physiology | Nursing Ed/Clinicals (2 periods) with potential for C.N.A. |
| ***Human Services: Mental Health Services*** | Intro to Human Studies | Lifespan Development | Family Studies | Career Practicum |
| ***Fine Arts*** | At least 3 credits in any combination of art, music, or theatre. Students must also take an additional credit to satisfy the 1 credit of Fine Art required for all students, thus making 4 credits total for this elective focus. | | | |
| ***JROTC*** | Students will complete at least 3 years of JROTC. Students must also complete Wellness, PE, Personal Finanace and Government. These credits cannot be substituted as mentioned above. Students must not plan on attending Virtual High School. This FEG is not offered at VHS. See page 14-15 for JROTC requirements | | | |

\*\*Questions about CTE Programs of study should be directed to your School Counselor.