

James Monroe High School

course of studies

2023 - 2024





**Fredericksburg City
Public Schools**

MISSION STATEMENT

Fredericksburg City Public Schools will provide a quality education that assures opportunity and equity for each student. Our motto "Excellence in Education" embodies a commitment to empower students to develop personal responsibility for meeting high academic standards and to become productive citizens in a global society.

**DIVISION
LEADERSHIP**

Dr. Marceline R. Catlett
Superintendent

Dr. Matthew Eberhardt
Deputy Superintendent

**SCHOOL BOARD
MEMBERS**

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Ms. Lakishia Banister
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Ms. Michelle Young
Assistant Principal

COUNSELING STAFF

Ms. Holly Stinchcomb
Director of Counseling
Student Last Names (Du-K)

Ms. Sharon Johnson
Counselor
Student Last Names (A-Do)

Ms. Carrie Harmsen
Counselor
Student Last Names (L-Ra)

Ms. Annette Richards
Counselor
Student Last Names (Re-Z)

Ms. Dawn Smith
Career Coach

Ms. JaLynn Smith
College Adviser

Ms. Stephanie Teri
Testing Coordinator

Ms. Beth Ripley
Counseling Secretary

JM ATHLETICS

Mr. Kenton Griffin
Athletic Director

Ms. Tracey Young
Assistant Athletic Director

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GRADING SCALES

James Monroe High School utilizes a three-tiered weighted grading system.

WHAT ARE WEIGHTED GRADES?

Weighted grades are letter grades that are assigned different values based on the academic rigor of the course.

WHAT IS THE PURPOSE OF A WEIGHTED GRADING SYSTEM?

Weighted grades provide an incentive for students to challenge themselves academically. This method rewards students who take tougher courses, recognizes higher levels of academic accomplishment, and provides a balanced system of grading for JM's varied academic offerings. The weighted grading system encourages students to enroll in our most rigorous academic courses in an effort to not only maximize preparation for their post-secondary education but to be more competitive when applying for college scholarships and admission.

LEVELED COURSES AT JM

Level 3 courses are standard level courses and thus are not weighted. Level 3 courses have the L3 designation in the course number.

Level 2 courses are considered to be advanced and are weighted accordingly. Level 2 courses have the L2 designation in the course number.

Level 1 courses include Honors, Dual Enrollment (DE), and Advanced Placement (AP) classes; these classes are weighted accordingly. Level 1 courses have the L1 designation in the course number.

GRADING SCALE		QUALITY CREDIT POINTS		
LETTER GRADE	PERCENTAGE	LEVEL 3	LEVEL 2	LEVEL 1
A+	100 - 97	4.25	4.75	5.25
A	96 - 94	4.0	4.5	5.0
A-	93 - 90	3.75	4.25	4.75
B+	89 - 87	3.25	3.75	4.25
B	86 - 84	3.0	3.5	4.0
B-	83 - 80	2.75	3.25	3.75
C+	79 - 77	2.25	2.75	3.25
C	76 - 74	2.0	2.5	3.0
C-	73 - 70	1.75	2.25	2.75
D+	69 - 67	1.25	1.75	2.25
D	66 - 64	1.0	1.5	2.0
D-	63 - 60	0.75	1.25	1.75
F	59 - 0	0	0	0



The James Monroe High School Course of Studies has been prepared to assist students and their parents in making decisions concerning the course offerings that are best suited to each student's specific interests and academic aptitude.

To ensure their greatest possible success and enjoyment of their high school experience, it is imperative that students carefully assess their strengths and consider their future plans when selecting their courses for the coming year.

COURSE CHANGE POLICY

Students are encouraged to carefully select courses they wish to take during the course request period. Every attempt will be made to give students requested courses; however, the master schedule doesn't always allow for this to happen, so it is important to request alternate classes as well. Course options are available based on students meeting prerequisites and teacher recommendations. If there is not enough interest in a course, it may not be offered. Schedule changes will only be allowed when there is a clerical error such as a student being placed in a course the student has already passed.

Schedule change requests for the reason above may be submitted beginning July 24, 2023 and will end August 18, 2023. Students taking AP or DE classes will be allowed to request withdrawal from the class at the end of the first nine weeks. If a student withdraws from an AP or DE class at that time, a "WP" (withdraw pass) or "WF" (withdraw fail) will show on the student's transcript, and the student must replace the class with the standard level option for that class, if available.

LANGUAGE & LITERATURE

LEVEL 3 COURSES

ENGLISH 9

This course is comprised of a basic study of grammar techniques, various literary genres and writing skills. Activities to increase reading comprehension, vocabulary, media literacy, and communication skills are also included.

ENGLISH 10

This course is comprised of a basic study of grammar techniques, literary forms, and composition skills. Particular emphasis will be placed on vocabulary development, oral communication, and reading comprehension.

ENGLISH 11

This course consists of a survey of American literature from 1607 to the modern period and a study of basic vocabulary, grammar, composition, and reading comprehension skills. Media literacy and persuasion are emphasized as well. Students enrolled in this course may take the Standards of Learning End of Course Reading and Writing tests.

ENGLISH 12

Prerequisite: Successful completion of an English 11 course

This course consists of a survey of the major ideas and works of British and world literature and the development of the English language. It also includes a review of grammatical conventions through writing, editing, and speaking. Demonstration of media literacy and research are emphasized.

LEVEL 2 COURSES

ADVANCED ENGLISH 9

Prerequisite: B in English 8 or C in Adv English 8; Pass Proficient on 8th grade SOLs

This course is comprised of an advanced study of various literary genres, and in-depth analysis of grammar techniques, and an introduction to narrative, expository, and persuasive writing. Media literacy and communication skills are also emphasized.

ADVANCED ENGLISH 10

Prerequisite: B in English 9 or C in Adv. or Honors English 9

This course is comprised of an advanced study of various literary genres and analysis of grammar techniques. Emphasis is also placed on small-group communication, vocabulary development, and media literacy.

ADVANCED ENGLISH 11

Prerequisite: B in English 10 or C in Adv. English 10; Or Teacher Recommendation

An advanced study of both classic and contemporary American literature will be the primary focus of this course. A strong emphasis will be placed upon writing skills and styles, particularly persuasion. Enhancement of vocabulary and communication skills will occur through reading, class discussions and presentations. Students will be encouraged to take an active role in the class to become critical readers, writers, and thinkers. Students enrolled in this course may take the Standards of Learning End of Course Reading and End of Course Writing tests.

ADVANCED ENGLISH 12

Prerequisite: B in English 11 or C in Adv. English 11; Or Teacher Recommendation

Advanced English 12 is comprised of a comprehensive study of the major ideas and works in British and world literature in preparation for college. Techniques of expository, creative, and persuasive writing will be emphasized. A well-documented research product and presentation must be produced.

LEVEL 1 COURSES

HONORS ENGLISH 9

Prerequisite: A in Adv. English 8 or B in Honors English 8, Pass Advanced on 8th grade SOLs

This course is comprised of a rigorous study of various literary genres and an in-depth analysis of grammar and writing techniques. Media literacy and communication skills are also strongly emphasized. The honor course covers the literary and writing curriculum of Grade 9 at a greater depth, scope, sequence, pacing, and reflection than the advanced course. Critical analysis, research, application, synthesis, and constructive criticism are greatly utilized in this course. Students may be expected to complete a summer assignment.

LANGUAGE & LITERATURE

HONORS ENGLISH 10

Prerequisite: A in Adv. English 9 or B in Honors English 9

This course is comprised of a rigorous study of various literary genres and an in-depth analysis of grammar and writing techniques. Media literacy and communication skills are also strongly emphasized. The honors course covers the literary and writing curriculum of Grade 10 at a greater depth, scope, sequence, pacing, and reflection than the advanced course. Critical analysis, research, application, synthesis, and constructive criticism are greatly utilized in this course. Students may be expected to complete a summer assignment.

AP ENGLISH 11 LANGUAGE AND COMPOSITION

Prerequisite: A in Adv. English 10 or B in Honors English 10

This course is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organizing, and style. Students may be expected to complete a summer assignment. Students enrolled in this course will take the Standards of Learning End of Course Reading and Writing tests.

AP ENGLISH 12 LITERATURE AND COMPOSITION

Prerequisite: B in Honors English 11 or A in Adv. English 11

AP English is a college level course emphasizing the analysis of form, style, and meaning in poetry and prose fiction. This writing intensive course requires students to write several multi-page essays, many short essays, and various response pieces. The course is geared toward preparing the student for the AP Literature and Composition exam, for which he or she may receive college credit. Students may be expected to complete a summer assignment. All students enrolled in this class will prepare to take the AP exam in May.

DUAL ENROLLMENT ENGLISH 12

Prerequisite: B in Honors English 11/AP English 11, or A in Adv. English 11

Students enrolled in DE English 12 will also be enrolled in English 111: College Composition I through Germanna Community College. This course introduces students to critical thinking and the fundamentals of academic writing. Through the writing process, students refine topics: develop and

Support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. Writing activities will include exposition and argumentation with at least one researched essay. This is a college course with post-secondary rigor. Students are expected to meet the requirements set forth by Germanna Community College for attendance, grading, expectations.

ELECTIVE COURSES

AFRICAN-AMERICAN LITERATURE

Prerequisite: C- in an English 10 or English 11 course

While this advanced course functions as a survey of African American Literature from the late 18th eighteenth century to the present, it is also examines how different cultural and historical periods speak to one another by using the themes of joy and pain. It aims to explore the ways in which African American writers and cultural workers have established themselves as such in the face of tremendous institutional oppression. Students will go beyond the ways black authors culturally and literarily treat certain forms of oppression by reading the various expressions of African American elation. Students will also witness how African American Literature connects these themes in ways that reinforce each other.

LITERACY ACADEMY

Prerequisite: Failed English 8 and/or English 8 SOL

This course is intended for students who require reinforcement of foundational reading skills to support their achievement in a rigorous high school English course. An emphasis will be on increased reading comprehension and vocabulary acquisition through critical reading, comprehension, and metacognitive strategies. Students will be engaged in a variety of research-based reading strategies to support improved achievement. Literacy Academy will be taken concurrently with English 9 to support the literacy demands of high school students.

LANGUAGE & LITERATURE

ELECTIVE COURSES

JOURNALISM I YEARBOOK

Prerequisite: B in English 8; Completed application must be approved by Journalism teacher. Only available to 10th-12th graders.

In this introductory yearbook class, the student will develop skills such as publication, layout, photography, and copy/caption writing. These skills will be used in actual production of the yearbook; therefore, students will be required to cover school

develop skills such as publication, layout, photography, and copy/caption writing. These skills will be used in actual production of the yearbook; therefore, students will be required to cover school events, sell advertisements (fundraising) and assist with the production of assigned pages. After completion of the book, students will begin editorial plans for the next yearbook. This class requires cooperation, positive attitudes, responsibility, and dependability; all of which are important in evaluating student performance in the class.

JOURNALISM II YEARBOOK

Prerequisite: B in Journalism I; B in English; Completed application must be approved by Journalism teacher

This yearbook course will continue to focus on developing skills such as publication, layout, photography, and copy/caption writing. As with Journalism I, students will be required to cover school events, sell advertisements (fundraising) and assist with the production of assigned pages.

JOURNALISM III YEARBOOK

Prerequisite: B in Journalism II; B in English; approved application by Journalism Teacher

This advanced level yearbook class is coupled with Journalism II and requires responsibility above and beyond that class. Students were required to attend weekend deadline sessions, and oversee Journalism I and II students. This class is comprised of editors who will be selected by the instructor. Editors will receive advanced credit.

JOURNALISM IV YEARBOOK

Prerequisite: B in Journalism III; B in English; Completed application must be approved by Journalism Teacher

This advanced level yearbook class is coupled with Journalism III and requires responsibility about and beyond that class. Students are required to attend weekend deadline sessions, and oversee

Journalism I and II students. This class is comprised of editors who will be selected by the instructor. Editors will receive advanced credit.

JOURNALISM V YEARBOOK

Prerequisite: B in Journalism; B in English; Completed application must be approved by Journalism teacher

In addition to their primary duties as journalists, students in this class are required to attend and oversee weekend deadline sessions. Advanced journalism classes are combined with lower level Echo classes and may include supervisory roles. This class is comprised of instructor selected editors. Editors will receive advanced credit.

INTRODUCTION TO CINEMA

Prerequisite: C- in English 10 or English 11

This course is comprised of a study of basic literary concepts through the lens of cinema. Students examine how literature has moved from page to screen as they engaged with various genres, film techniques, and writing skills to develop their own scripts. Studies will include all aspects of modern cinema; scene development, dialogue, storyboarding, scripting, shot composition, sound boarding, mise-en-scene, and audience awareness. Various films from approved AFI (American Film Institute) will be viewed and dissected in class.

SOCIAL STUDIES

LEVEL 3 COURSES

WORLD HIST I/GEO

The early part of this course will cover the rise of man from a nomadic wanderer through the development of urban centers in the Mediterranean area. Students will study civilizations of the four river valleys of Egypt, Mesopotamia, India, and China as well as the rise of the early empires in Rome, Greece, Africa, Byzantium, Latin America, and Asia. Students will learn why the collapse of this ancient world led to a major restructuring of economic and social philosophies. Later, they will examine the political, economic, and cultural development of geographic areas which differ radically in their way of life from our expectations. Special emphasis is placed on the mixture of people, their differing cultures, and the impact religion has on their daily lives. Geography is emphasized throughout the unit to make students aware of the impact geography has on man, as well as to become familiar with major geographic areas around the world. Study skills are also emphasized throughout the course. Students enrolled in this course may take the Standards of Learning World History test.

WORLD HIST II/GEO

This course will follow World History I with the study of the Renaissance, the Reformation, and the Age of Exploration. The study of turmoil of the Age of Revolutions will follow when discontent with absolutism and "divine right" flared into a variety of revolutions with the eventual triumph of the "rights of man." Students will gain an appreciation for the Bill of Rights as they study the evolution of democracy. The political changes will be followed by major industrial changes as the Industrial Revolution is studied from the perspective of its early beginnings to the effect it has on our way of life and environment of today. The latter part of the course deals with the emergence of Italy and Germany as independent nations, the causes and effects of major wars of the modern era: Spanish American; World War I; World War II; Korea; and Vietnam. The course will conclude with a look at the changing global situation and the global interdependence among nations in a modern world. Again, geography will be an integral part of study during this course. Study skills will continue to be emphasized. Oral classroom presentations and other research based assignments are routinely done during this course. Students enrolled in this course may take the Standards of Learning World History II test.

VA/US HISTORY

Prerequisite: Successful completion of World History I and II

This is a survey of United States history from the colonial period to the present. Over the course of the school year, the social, political, intellectual and economic developments that have made the United States the nation it is today will be explored. Students enrolled in this course may take the Standards of Learning VA/US History test.

VA/US GOVERNMENT

Prerequisite: Successful completion of VA/US History

This course concentrates on the differences in the power structure of government and the development and content of the U.S. Constitution. The political party system and elections are studied with emphasis on the importance of the media and political opinion. The Judicial Branch, Legislative Branch, and Executive Branch of the Federal and State governments are studied in depth. Emphasis is on civil liberties and civil rights and the importance of the Supreme Court's landmark cases in these areas. The powers of the Executive Branch in both domestic and foreign policy complete the year. Current news is emphasized throughout the year to relate the study of government to the happenings in the world today.

LEVEL 2 COURSES

ADVANCED WORLD HIST I/GEO

Prerequisite: B in World Geography 8

This advanced course is a survey of predominately Western civilization that encompasses the study of man's beginnings in Africa, the development of the river civilizations of Egypt, Mesopotamia, the Indus Valley, and China, the rise and fall of Greek and Roman civilizations, and the Renaissance period in Europe. This survey will include basic developments in Asia, Africa, and the Americas that impacted Western civilization. Students will develop their historical research skills and an understanding of the impact of geography on history. This course is designed to engage students' upper-level thinking skills with regard to the relationship of the four aspects of social studies: geography, economics, politics and history. Subjective reasoning (essay and discussion topics) will be utilized to advance student's abilities to relate seemingly unrelated topics in history to modern situations. Chronologically, the course will proceed from the earliest begin

SOCIAL STUDIES

-nings of man to the year 1500 A.D. Students enrolled in this course may take the Standards of Learning World History I test.

ADVANCED WORLD HIST II/GEO

Prerequisite: B- in World History I; Available to 9th grade students who earned a B in World Geography and plan to take AP Human Geography in 10th grade

This advanced course is a survey of predominately Western civilization that begins with the year 1500 A.D. and ends with the present. In this SOL-based course, students will explore 19th and 20th century scientific and technological changes that had major effects on society and culture. Emphasis will be placed on Western Europe and the ongoing study of the four major aspects of social studies: geography, economics, politics, and history. This course is designed to engage students' higher-level thinking skills in regard to the four aspects listed above. Students will develop or refine their grasp of the medium of human nature as the basis for understanding the way in which lessons are learned from history. Students will examine the role of the spiritual side of human nature as it has developed in the form of the five major religions of the world. Further, students will learn how the conflicts of the physical and spiritual have produced relatively predictable results. This course will also feature subjective inquiries (essays) into the reasoning behind the actions of countries in an attempt to establish patterns of behavior that have remained constant, and as a result, form the basis of "history lessons." Students enrolled in this course may take the Standards of Learning World History II test.

ADVANCED VA/US HISTORY

Prerequisite: B in any History course

This course is designed to provide students with a survey of the history of the United States beginning with Pre-Colombian America and ending with the international affairs and domestic changes in the present modern world. This course will deliver a comprehensive overview of U.S. history and provide students with the analytical historical thinking skills and factual knowledge necessary to understand issues of U.S. history. This class emphasizes the same skill development as Advanced Placement courses in order to prepare students for success at the collegiate level. Essay writing is required. Students enrolled in this course may take the Standards of Learning VA/US History test.

ADVANCED VA/US GOVERNMENT

Prerequisite: B VA/US History or A in Adv. VA/US History; Only for 12th graders

This course is designed to provide students with a survey of the government of the United States beginning with foundations of our system of government and ending with the international affairs and domestic changes in the modern world. This course is designed for highly motivated students; the curriculum is enriched to provide students with material that is more challenging and thoughtful than a regular level American history class but not as demanding as AP classes. This course will provide a comprehensive overview of U.S. government and provide students with the analytical skills and factual knowledge necessary to assess issues of U.S. politics, citizenship, and government. The students will learn to assess materials, their relevance to a given interpretive problem, their reliability, their importance, and to weigh the evidence and interpretations presented in political science scholarship. This class will help 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 an academic essay format, therefore students will do more writing than a typical government class. Research and writing are required components of the class.

LEVEL 1 COURSES

AP HUMAN GEOGRAPHY

Prerequisite: B in Adv. World History II

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the earth's surface. Students will use spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also will learn about the methods and tools geographers use in their science and practice. This course prepares students to take the Advanced Placement examination in Human Geography for which college credit and/or placement is given if a qualifying score is achieved. All students enrolled in this course will prepare to take the AP Human Geography exam in May.

SOCIAL STUDIES

AP VA/US HISTORY

Prerequisite: B in Adv. World History II or B in AP Human Geography

The Advanced Placement U.S. History course is designed to provide students with the analytical skills, writing skills, and factual knowledge necessary to deal critically with the problems and materials in United States History. The course will develop historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) necessary to arrive at conclusions on the basis of an informed judgment and present reasons and evidence clearly and persuasively in essay format. This class requires extensive college level reading, writing, and documentary synthesis and an understanding of content learning objectives. The AP U.S. History course expands on the history of the Americas from 1491 to the present. Students enrolled in this course may take the Standards of Learning US History test. All students enrolled in this course will prepare to take the AP US History Exam in May. Students may be expected to complete a summer assignment for this course.

AP VA/US GOVERNMENT

Prerequisite: B- in AP or Adv. VA/US History; Only for 12th graders

Advanced Placement Government is an intensive study of the development and content of the U.S. Constitution, the structure of the Federal and State governments, and the overall policies and politics of government. Current issues are stressed to relate the study of government to today's world. The mechanisms of political participation are studied as well. Class discussion, including analysis and criticism of various government policies, is emphasized. Students are responsible for debates, several written and oral reports, and a position paper. All students enrolled in this class will prepare to take the AP exam in May.

SOCIAL STUDIES

ELECTIVE COURSES

AP PSYCHOLOGY

Prerequisite: Successful completion of World History II; 11h-12th graders only

In this course, students will explore ideas, theories, and methods of the scientific study of behavior and mental processes. You'll examine the concepts of psychology through reading and discussion, and you'll analyze data from psychological research studies. In this class, you will learn how to connect psychological concepts and theories to real-life scenarios, understand and interpret data, and analyze research studies in psychology. This course is equivalent to a one-semester, introductory college course in psychology and there are no prerequisites. In May, students will be expected to take the AP psychology exam, which consists of 100 multiple choice questions and 2 FRQs (free-response questions). Depending on the college, a 3/5 or better will likely earn transferable college credit.

PSYCHOLOGY

Prerequisite: Successful completion of World History II

In this course, students examine patterns and variations of human behavior and the process of individual human development. They identify and examine the emotional, intellectual, and physical factors which influence the development of the individual human being. Students distinguish among the major schools and systems of psychology and methods of investigation. Strong reading ability, height interest in the subject, and willingness to actively participate in class discussions are expected.

SOCIOLOGY

Prerequisite: Reading ability sufficient to comprehend college level material; 10th-12th graders only

Sociology is the scientific study of human social behavior. This social studies elective course introduces student to sociological concepts, terms and sociological patterns; examines the key social institutions; and explores current issues related to social inequality and social change. The objective of the course is to have all students develop a sociological perspective and understanding of sociological terms, concepts and skills; develop requisite skills to conduct scientific sociological investigation; enhance listening, verbal and writing skills; enhance critical thinking skills and the ability to ask good questions; gain insight into his/her own life and an appreciation and understanding of different perspectives; and most importantly, provide the opportunity for personal growth.

MATHEMATICS

LEVEL 3 COURSES

PRE-ALGEBRA

Prerequisite: Did not pass Math 8 and/or Math 8 SOL

Pre-Algebra is intended for students who need reinforcement of basic math skills and number theory. Students enrolled in Pre-Algebra will meet daily and can expect to relearn all of the prerequisite skills needed to be successful in Algebra I. Special emphasis will be placed on simplifying expressions and solving equations and inequalities. Upon successful completion of this course, the student will receive a math elective credit and will have a solid understanding of the fundamental math skills necessary to be successful in Algebra I. Students earn an elective credit upon successful completion of this course.

ALGEBRA ACADEMY

Prerequisite: Passed Math 8 and earned a 375 or higher on the Math 8 SOL

Algebra Academy is an immersive course that seeks to fulfill the dual purpose of remediating foundational math skills as well as instructing students based on the Algebra I Standards of Learning set forth by the Virginia Department of Education. Students enrolled in Algebra Academy will meet daily and can expect to participate in supplemental differentiated learning tracks in small groups with classroom teachers. At the conclusion of Algebra Academy, students will have regained essential math skills and satisfied the state Algebra I Standards of Learning. Students enrolled in this course will be prepared to take the Algebra I End of Course SOL test.

ALGEBRA I

Prerequisite: B+ in Math 8; Passing score of 450 on Math 8 SOL

In this course, students will study the basic concepts and properties of real numbers and apply them to polynomials. Techniques in solving linear equations and inequalities in one variable and solving quadratic equations in one variable are developed and applied to problem solving. Students will learn to graph and analyze linear and quadratic functions. Data sets will be studied, graphed, and compared using functions, variation, and statistical techniques, including measures of central tendency. Students will study statistics to include line and curve of best fit, box and whisker plots, normal distribution, mean absolute deviation, standard deviation, and z-scores. Systems of linear equations will

be solved graphically and algebraically and will be applied to problem solving. Square roots and other radical expressions will be evaluated and simplified. Students enrolled in this course will be prepared to take the Algebra I End of Course SOL test.

FOUNDATIONS OF GEOMETRY

Prerequisite: Successful completion of Algebra I course, but did not pass Algebra I SOL

Foundations of Geometry is a recovery learning model that seeks to fulfill the dual purpose of remediating Algebra skills for all students as well as teach the required material stated in the Geometry Standards of Learning presented by the Virginia Department of Education. This allows all students to strengthen foundational knowledge needed for these standards as well as review content knowledge necessary to be successful on the Algebra I End of Course SOL test. Students enrolled in Foundations of Geometry will meet daily and can expect to spend all of Q1 reviewing the Algebra I Standards of Learning as stated by the Virginia Department of Education to prepare for the mid-year Algebra I End of Course SOL test. At the conclusion of this review period, students will begin learning the Geometry Standards of Learning set forth by the Virginia Department of Education. At the end of the year, students that need the Geometry End of Course SOL test for their graduation testing requirement will take the exam.

GEOMETRY ACADEMY

Prerequisite: Passed Algebra I course and earned a 375 or higher on Algebra I SOL

Geometry Academy is an immersive course that seeks to fulfill the dual purpose of remediating foundational math skills as well as instructing students based on the Geometry Standards of Learning set forth by the Virginia Department of Education. This course introduces undefined terms, definitions, postulates, and deductive reasoning. Basic straight edge and compass constructions will be done throughout the course. Formal proofs and reasoning will be introduced through a study of lines, angles, polygons, congruency and similarity of triangles. The Pythagorean Theorem and basic Trigonometry and its applications are discussed. Area, volume, and properties of circles as well as solids are studied. Students enrolled in Geometry Academy will meet daily. At the conclusion of Geometry Academy, students will have regained essential math skills and satisfied the state Geometry Standards of Learning. Students enrolled in this course will be prepared to take the Geometry End of Course SOL test.

MATHEMATICS

ALGEBRA/FUNCTIONS/DATA

Prerequisite: Successful completion of Algebra I and Geometry

This course is comprised of the investigation of mathematical modeling and data analysis. Students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated from real life situations arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, or exponential equations. Through the investigation of mathematical models and interpretation/analysis of data from real life situations, students will strengthen conceptual understandings of mathematics and further develop connections between algebra and statistics. Students will use the language and symbols of mathematics in representations and communications throughout the course. The infusion of technology in the course will assist in modeling and investigating functions and data analysis. TI-83 or TI-84 graphing calculators will be used throughout the course.

ALGEBRA II

Prerequisite: C in Geometry

In this course, students will review the basic properties of real numbers and equality. Algebraic expressions will be simplified, combined, multiplied, or factored. This will include polynomials, rational and radical expressions, as well as complex numbers. Students will solve equations and inequalities in one and two variables, including those that are linear, absolute value, rational, radical, quadratic, and polynomial. Students will graph and analyze functions. These will include linear and quadratic, as well as an introduction to polynomial, exponential, and logarithmic functions. Data sets will be studied, graphed, and compared using functions, and variations. Systems of linear and quadratic equations will be solved, both graphically and algebraically, and applied to problem solving. Students will also study statistics to include, normal distribution, z-scores and probabilities. Additionally, students will develop an understanding of permutations and combinations. TI-83 or TI-84 graphing calculators will be used to support and verify many mathematical and algebraic concepts throughout the term. Students enrolled in this course may take the Standards of Learning Algebra II test.

LEVEL 2 COURSES

ADV GEOMETRY

Prerequisite: B+ in Algebra I, and a 450 or higher on Algebra I SOL

This course consists of an enriched Geometry curriculum with greater emphasis on proofs and the application of theorems than is covered in Geometry Academy. This course is taught in a more rigorous manner and at an accelerated pace. Students enrolled in this course may take the Geometry End of Course SOL test. This course is a prerequisite course for Advanced Algebra II.

ADV ALGEBRA II

Prerequisite: B in Adv Geometry or A in 8th grade Geometry; Recommended for students working toward an Advanced Diploma

This course consists of a more enriched Algebra II curriculum with a greater emphasis on critical thinking skills and is taught in a more rigorous manner and at an accelerated pace. In addition to the Algebra II curriculum, students will cover the trigonometric functions and their relationships using both the circular and the triangular approach. Students enrolled in this course may take the Standards of Learning Algebra II test. This course is a prerequisite for Advanced Trigonometry.

ADV TRIG/PRE-CALC

Prerequisite: B in Adv. Algebra II or A in Algebra II

This course begins with a review of some of the concepts learned in Advanced Algebra II, and continues with a thorough study of Trigonometry extended into topics covered in Pre-calculus. Throughout the course, emphasis is placed on the study of functions (algebraic and transcendental). The student will solve problems both with and without the use of a graphics calculator. Major topics that will be covered include algebraic functions, exponential functions, logarithmic functions, trigonometric functions, trigonometric identities, and practical applications and modeling using both Trigonometry and Algebra, vectors, matrices, conic sections. The course concludes with an introduction to limits, derivatives and other introductory calculus topics. Limits are introduced using sequences and this is extended to the limits of functions and the study of derivatives.

MATHEMATICS

Modeling and understanding finite systems is central to the development of the economy, the natural and physical sciences, and mathematics itself. Discrete Mathematics introduces the topics of social choice as a mathematical application, matrices and their uses, graph theory and its applications, and counting and finite probability, as well as the processes of optimization, existence, and algorithm construction. Emerging technologies are incorporated into the curriculum as they become available

LEVEL 1 COURSES

AP CALCULUS AB

Prerequisite: Successful completion of Pre-Calculus

This course focuses on a comprehensive treatment of both derivatives and integrals of functions of one variable. Students will study limits, develop the definition of the derivative and theorems on differentiation and then apply the derivative to graphing, related rate problems, and extrema problems. There is also an emphasis on integration techniques, applications of integrals, and the transcendental functions. Graphing calculators will be required in this course. All students enrolled in this class will prepare to take the AP exam in May. Students may be expected to complete a summer assignment for this course.

AP STATISTICS

Prerequisite: Successful completion of Trigonometry or Adv Trigonometry

In this course, students will focus on the major concepts involved in collecting, analyzing, and drawing conclusions from data. The course will include four broad themes: exploring data by observing patterns and departures from patterns; planning a study by deciding what and how to measure; anticipating patterns by producing models using probability and simulation; and statistical inference. This course will be a non-calculus based course equivalent to a one-semester college level statistics course. All students enrolled in this class will prepare to take the AP exam in May. Students may be expected to complete a summer assignment for this course.

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LEVEL 3 COURSES

ENVIRONMENTAL SCIENCE

In this general level Environmental Science course, the student will understand human dependence on Earth for a variety of resources and examine how human actions have changed the environment and promote civic responsibility. The student will investigate the flow of matter and energy between the biosphere, hydrosphere, and atmosphere. Instruction will build science literacy through inquiry, student data collection and analysis using appropriate tools, laboratory experiences, and field work.

BIOLOGY

This general level Biology course emphasizes the understanding of living systems and the scientific methods used to study these systems. Key concepts include the history of biological thought and the evidence that supports scientific theories, biochemical life processes, cellular organization, mechanisms of inheritance, dynamic relationships among organisms, and the change in organisms through time. By observing local organisms and environmental situations, this course emphasizes why biology is important. Students enrolled in this course will take the Standards of Learning Biology test.

GENERAL CHEMISTRY

Prerequisite: C in Algebra II; C in Biology

Mathematical relationships are applied to chemical and physical concepts, using unit analysis, significant digits, scientific notation and uncertainty of measurement. The mole concept is developed with its relationship to mass, molecular weight, and gas volume. Application of the inertia molecular theory to the states of matter is made. Additional topics include ionic solutions, molarity, atomic structure using the quantum mechanical model, bonding theories, reaction kinetics and equilibrium, oxidation/reduction reactions, acid/base theories, and the concept of pH. The laboratory emphasizes qualitative and quantitative observations and the graphing of relationships. Students enrolled in this course may take the Standards of Learning Chemistry test.

EARTH SCIENCE

Prerequisite: Biology or Adv. Biology, Environmental Science or Adv. Environmental Science

This general level Earth Science course focuses on

meteorology, oceanography, geology, and astronomy. The student will plan and conduct investigations, demonstrate scientific reasoning and interpret maps, globes, charts, and imagery. Connections to Virginia's geologic processes, climate, and resources will be made.

EARTH SCIENCE II: ASTRONOMY

Prerequisite: Successful completion of Geometry, Environmental Science or Earth Science, and Biology

The objective of this lab based science class is to allow students to study some of the more fascinating aspects of astronomical science beyond those which are normally studied in an Earth Science class. Students will investigate early astronomical history, development of observational technology, various scientific theories of origins of the universe, forces of gravity between astronomical objects, solar and stellar phenomena, constellations, galaxies, black holes, planetary science, space exploration, and the future of humans in space. Students will be required to attend evening observation sessions.

EARTH SCIENCE II: OCEANOGRAPHY

Prerequisite: C Biology and Chemistry; Chemistry may be taken concurrently with consent of the instructor

Oceanography is a survey course that introduces students to the four broad disciplines of marine science; chemical, physical, geological, and biological oceanography. Building on knowledge gained in Environmental Science, Chemistry, and Biology, students will investigate tectonic processes, navigation, water properties, and marine life. Students will learn the physical and chemical properties of the oceans and their interplay with the atmosphere, as well as their impact on coastal features and marine life. Many lab activities are included.

LEVEL 2 COURSES

ADV ENVIRONMENTAL SCIENCE

Prerequisite: B in Physical Science 8, B in an 8th grade Math course

This is an academically challenging course for the serious science student. The goal of this course is to provide students with the skills and content necessary for them to look at current and future environmental issues, both natural and man-made, biosphere, hydrosphere, and atmosphere. Instruction will build science literacy through inquiry, student data collection and analysis using appropriate

SCIENCES

through a critical lens and to provide a platform to make informed decisions. The student will investigate the flow of matter and energy between the tools, laboratory experiences, and field work. Students will have the opportunity to increase their environmental literacy and graduate with the knowledge and skills to act responsibly to protect and restore their environment.

ADV BIOLOGY

This is an academically challenging course for the serious science student. Students learn about the structure and biochemical processes of the cell, the fundamentals of genetics, change and diversity of life forms through evolution, and ecological relationships of organisms and their environment. The course focuses on the modern classification system through the study of the anatomy and physiology of organisms including observations of local flora and fauna. With emphasis on discovery and inquiry, students conduct laboratory experiments using the scientific method. Students enrolled in this course will take the Standards of Learning Biology test.

BIOLOGY II: HUMAN ANATOMY I

Prerequisite: C in Biology

This course is intended especially for those interested in entering the health related fields for both humans and animals. The course includes an introduction to the structure and function of cells, tissues, and organs of the human body and how they are interrelated to maintain homeostasis. Systems covered include musculoskeletal, central and peripheral nervous, cardiovascular, respiratory, digestive, excretory, endocrine, reproductive, and integumentary. Dissection will be included.

BIOLOGY II: HUMAN ANATOMY II

Prerequisite: C in Human Anatomy I

Students that wish to pursue the medical and allied health fields are often expected to have 2 years in anatomy and physiology. Special Senses, Respiratory Systems, Digestion, Nutrition, and Urogenital systems, will be covered in year II. More emphasis and time will be given to physiological concepts, labs, and dissections, as well as career applications. The same textbook and workbook will be used as Human Anatomy I.

ADV CHEMISTRY

Prerequisite: B in Adv Biology, B in Algebra II

In this science/engineering-oriented course, topics include using mathematical relationships for stoichiometry, gas laws, first and second laws of thermodynamics, solution concentrations, reaction kinetics, equilibrium systems, and electrochemistry. The quantum mechanical model of the atom is developed and its relationship to the periodic table is shown. There is an introduction to nuclear and organic chemistry. Lab experiments provide reinforcement of the concepts and an intro to chemical instrumentation for analysis. Students enrolled in this course may take the Standards of Learning Chemistry test.

PHYSICS

Prerequisite: C+ in Algebra II; At minimum, concurrent enrollment in Trigonometry

After introduction in the use of scientific calculators, lab procedures, and the metric system, the student's will study velocity and acceleration, Newton's Laws of Motion, gravitational force, and the composition and resolution of forces using vectors. More complex types of motion including projectile and harmonic will be introduced to the student. The relationship of force, work, energy, and power will be examined. The application of the kinetic molecular theory to thermal effects and changes of state will be discussed. A general study of magnetism and electricity will be conducted. The topics include electrostatic charges, electric fields and potential, and Ohm's Law. Wave motion and sound are related to frequency, resonance, and beats. The dual nature of light, reflection, diffraction, and polarization will be discussed. This course involves a significant amount of mathematics.

SCIENCES

LEVEL 1 COURSES

AP ENVIRONMENTAL SCIENCE

Prerequisite: Successful completion of two years of high school laboratory science (Environmental Science, Biology, and/or Chemistry) and Algebra I

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within 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. A minimum of 25% of instructional time will be engaged in hands-on, inquiry-based laboratory and/or field-work investigations. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science.

AP BIOLOGY

Prerequisite: Successful completion of Biology and Chemistry

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. A minimum of 25% of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors.

AP CHEMISTRY

Prerequisite: A- in Chemistry or B in Adv. Chemistry

Advanced Placement Chemistry is a college-level course that focuses on topics which include using mathematical relationships for stoichiometry, gas laws, first and second laws of thermodynamics, solution concentrations, reaction kinetics, equilibrium systems, and electro chemistry. The quantum mechanical model of the atom is developed and its relationship to the periodic table is shown. Laboratory experiments provided reinforcement of the

concepts and an introduction to chemical instrumentation for analysis. Students are prepared to take the AP Chemistry exam for college credit. All students enrolled in this class will prepare to take the AP exam in May. Students may be expected to complete a summer assignment for this course.

DUAL ENROLLMENT PHYSICS 201

Prerequisite: At minimum, concurrent enrollment in Trigonometry; B in Chemistry

Dual Enrollment Physics is a college level course that teaches fundamental principles of physics. The course covers mechanics, thermodynamics, wave phenomena, electricity and magnetism, and selected topics in modern physics. The objectives of the course are to provide an understanding of the fundamental physical phenomena associated with each of the above topics and to develop an appreciation for and a curiosity about the universe, its processes, and mysteries.

DUAL ENROLLMENT PHYSICS 202

Prerequisite: Successful completion of Dual Enrollment: Physics 201

This course is a continuation of DE Physics 201.

SCIENCES

ELECTIVE COURSES

FORENSIC SCIENCE

Prerequisite: Successful completion of Biology

Rich in exploration and lab investigation, this course will apply many disciplines of scientific study such as biology/anatomy, physics, and (most heavily) chemistry as resources for solving crime. This class will focus on the evolution of forensic science which allows for cross curriculum discussions with history and civics. In this class the students will gain the knowledge and skills necessary to enter into a major course of study at a university of college in the pursuit of a degree in forensic science. Students will learn how to conduct a variety of experiments used by forensic scientists to analyze evidence collected from crime scenes, evaluate forensic evidence analysis techniques with appropriate regard to scientific, statistical, ethical and legal issues, develop critical analytical skills and apply them in case-study situations relevant to current forensic science, learn the techniques used by crime scene investigators to identify and collect evidence at a crime scene, work collaboratively with other classmates to analyze and identify unknown sources of evidence, and use knowledge and skills acquired throughout the course to solve a mock crime.

PHYSICAL & HEALTH EDUCATION

LEVEL 3 COURSES

HEALTH/PE 9

Physical Education instruction emphasizes the participation of lifetime fitness activities and how it relates to personal wellness. Activities include badminton, volleyball, tennis, speed ball, dance, flag football, aerobics, soccer, recreational games, basketball, golf, running, and fitness stations. During the health portion of this course, students will study alcohol, tobacco, and drugs, diseases of the body, mental and emotional health, family life, safety and injury prevention and violence prevention. Proper attire is required for all physical education classes. A PE uniform (shirt and shorts) must be purchased from a physical education teacher for \$20.

HEALTH/PE/DRIVERS ED

Prerequisite: Successful completion of Health/PE 9

The purpose of the health education is to help students acquire an understanding of health concepts and skills and to apply them in making healthy decisions to improve, sustain, and promote personal, family, and community health. Proper attire is required for all physical education classes. A PE uniform (shirt and shorts) must be purchased from a physical education teacher for \$20.

Classroom Driver's Education is a part of the health requirement of this course. The state of Virginia requires a minimum of 36 hours of classroom instruction. Students who miss more than 5 classes will not receive credit unless all work is completed. Students are scheduled for behind the wheel instruction after they have met the above requirements. The "in car" component of Driver's Education will be taught after school hours and on weekends when student's schedule permits. Students must submit the required \$200 fee to be placed on the list for behind the wheel instruction.

ELECTIVE COURSES

ADVANCED PE

Prerequisite: B in Health/PE/Drivers Ed.; Teacher Recommendation

Students will learn training techniques and follow training programs to improve upon both health and skill related components. Proper attire is required for all physical education classes. A PE uniform (shirt and shorts) must be purchased from a physical education teacher for \$20.

STRENGTH AND CONDITIONING

Prerequisite: A in Health/PE 9 and Health/PE 10; Teacher Recommendation and approval

This is not a typical Physical Education class! The daily routine will involve lifting weights and fitness conditioning. Also, and "activities" that would/could be used to be intended as alternative aerobic conditioning activities. Strength and Conditioning Education is designed for the student who enjoys physical activity and wishes to increase his/her strength and overall fitness. The student will be expected to understand and put into practice a more informed level of knowledge of the body. The students will familiarize themselves with the skeletal, muscular systems, and how they inter-relate with their body.

CAREER & TECHNICAL EDUCATION (CTE)

VETERINARY SCIENCE I

Prerequisite: 11th-12th graders only

This course prepares students for postsecondary education and/or careers in veterinary medicine or related fields. Students develop their skills in anatomy, nutrition, medical terminology, sanitation, clinical exams, and handling animals. Live animal handling may occur. Course content also includes facility maintenance, and office functions, as well as safety practices. The National FFA Organization, Supervised Agricultural Experience (SAE), or related student organization activities are encouraged.

VETERINARY SCIENCE II

Prerequisite: 12th graders only

This course continues a more in-depth instruction of diverse animal anatomy and physiology, health maintenance, and clinical practices. Students are expanding on their preparation for postsecondary veterinary/animal science related fields. Also, this course involves more intense preparation for a Veterinary Assistant certification examination.

ECON/PERSONAL FINANCE

This course is required for graduation

Students learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit, insurance, spending, taxes, saving, investing, buying/leasing a vehicle, living independently, inheritance, and planning for retirement. Development of financial literacy skills and an understanding of economic principles will provide the basis for responsible citizenship and career success. In addition to developing personal finance skills, students in this course will also study basic occupational skills and concepts in preparation for entry-level employment in the field of finance. DECA activities are provided through this course. Completion of this course will prepare students for the WISE Financial Literacy certification exam. Students will take the Workplace Readiness Skills Test.

LEADERSHIP DEVELOPMENT

Students develop competencies in identifying individual aptitudes in relation to effective leadership skills, understanding organizational behavior, using effective communication in the workplace, handling human resources and organizational problems, supervising and training employees, resolving conflict, and planning for the future. Continuing education in leadership is emphasized as well as practical leadership experiences in cooperation with school and community leaders.

COMPUTER INFO SYSTEMS

This class is the first part of Computer Information systems in which students will improve their computer skills for the workplace or for college by exploring the fundamentals of Microsoft Office. Students will learn the proper procedures to create documents, spreadsheets, databases, and presentations suitable for high school and college coursework, professional purposes, and personal use. Career Exploration is an integral part of this course as students will explore their interests and match them to compatible career choices, colleges and majors. Students will prepare personal resumes and learn job interviewing skills. Completion of this course will prepare students for the Microsoft Office Specialist Industry certification. FBLA activities are strongly encouraged.

ADV COMPUTER INFO SYSTEMS

Prerequisite: C- in Computer Info Systems; Students are strongly to participate in FBLA

This class is the second part of Computer Information Systems. It is not a weighted course. Students apply problem-solving skills to real-life situations through advanced integrated software applications, which include the use of word processing, spreadsheets, databases, and graphic presentations using Microsoft Office 2016 (Word, Access, and PowerPoint). Desktop Publishing using Publisher and Voice Recognition are also part of the course curriculum. Completion of this course will prepare students for the Microsoft Office Specialist Industry certification. FBLA activities and leadership skills are provided through this course. Students will take the Microsoft Office Specialist (MOS) for Industry Certification upon completion of this course.

DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES

Students develop skills in creating interactive media, websites, and publications for print and electronic distribution. Students work with sophisticated hardware and software, applying skills learned to real-world projects. Students are strongly encouraged to participate in FBLA.

ADV. DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES

Prerequisite: Successful completion of Design, Multimedia & Web Technologies I

Students develop advanced skills in creating interactive media, websites, and publications for print and electronic distribution. Students design portfolios that may include business cards, newsletters, mini-pages, Web pages, multimedia presentations/projects, calendars and graphics.

CAREER & TECHNICAL EDUCATION (CTE)

CYBERSECURITY FUNDAMENTALS

Cybersecurity affects every individual, organization, and nation. This course focuses on the changing and widespread use of technology with an emphasis on securing personal, organizational, and national information. Students will be introduced to the principles of cybersecurity, explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill, high-wage, and high-demand career opportunities in the field of cybersecurity. Industry Certification is available for this course.

GAME DESIGN AND DEVELOPMENT I

The game design industry is the fastest revenue growing entertainment medium and has created many new job disciplines. In this project-based course, students will create innovative games through the application of graphic design, animation, audio, and writing skills. Students will work in teams while developing problem-solving, critical thinking, and effective communication skills. They will analyze, design, prototype, and critique interactive games within a project management environment. Career opportunities across multiple industries, including the entertainment and educational arenas, will be explored.

GAME DESIGN AND DEVELOPMENT II

Prerequisite: Successful completion of Game Design and Development I.

In this project-based course, students will create innovative games through the application of graphic design, animation, audio, and writing skills. Students will work in teams while developing problem-solving, critical thinking, and effective communication skills. They will analyze, design, prototype, and critique interactive games within a project management environment. Career opportunities across multiple industries, including the entertainment and educational arenas, will be explored.

ENTREPRENEURSHIP

This course introduces students to the exciting world of creating, owning, and launching their own business. Students will learn concepts and techniques for planning an entrepreneurial venture, using design thinking and business model development. Students will learn about financial statements, marketing principles, sales and customer service, and basic economic principles for successful operation.

ADV. ENTREPRENEURSHIP

Prerequisite: C in Entrepreneurship

This course provides students with the opportunity to implement a business plan and challenges them to start an entrepreneur venture while still in high school. The creative and problem-solving skills taught in the Advanced Entrepreneurship course enhances the knowledge gained in Entrepreneurship 9093. Students have the opportunity to develop practical skill sets (i.e. marketing and advertising, communication, accounting, finance, and management) that will foster success in current and future ventures. Computer technology applications, business partnerships, and DECA activities enhance the course.

DIGITAL AND SOCIAL MEDIA MARKETING

This course introduces students to digital and social media marketing. Students explore principles, strategies, tools, and tactics related to consumers, branding, advertising, and promotions. Students explore how success is measured in a digital and social media marketing campaign. This course emphasizes ethics, laws, and security. Students also investigate business.

FASHION MARKETING

Prerequisite: 10th-12th graders only

In this specialized course, students gain basic knowledge of the apparel and accessories industry and skills necessary for successful employment in apparel businesses. Students develop general marketing skills necessary for successful employment in fashion marketing, general marketing skills applicable to the apparel and accessories industry, and specialized skills unique to fashion marketing, risk management, promotion, and fashion show. Topics include an overview of the fashion industry, production. Skills in research, mathematics, textile chemistry, and technical writing are reinforced in this course through the development of a student produced fashion magazine. Marketing simulations, projects, field trips to fashion centers, DECA leadership activities and competitions provide many opportunities for application of instructional competencies. Students are strongly encouraged to participate in DECA.

ADV. FASHION MARKETING

Prerequisite: C in Fashion Marketing

This course is designed to provide the serious fashion student with in-depth knowledge of the

CAREER & TECHNICAL EDUCATION (CTE)

apparel and accessories industry and skills that are important for supervisory management employment in the industry. Students will develop advanced skills unique to fashion marketing and advanced general marketing skills applied to the apparel and accessories industry. Topics include entrepreneurship, professional selling, sales promotion, buying, merchandising, marketing research, international marketing, and supervision. Marketing simulations, projects, field trips to fashion centers, DECA leadership activities, and a student participate developed fashion show will provide many opportunities for application of instructional competencies. Students are strongly encouraged to participate in DECA.

SPORTS & ENTERTAINMENT MARKETING

Prerequisite: 10th-12th graders only

This course is designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Areas this course will cover are facility design, merchandising, advertising, public relations, event marketing, sponsorship, ticket distribution, and careers in the sports and entertainment industry. Field trips, DECA leadership functions, teamwork activities, and classroom projects will enhance the course throughout the year. Students are strongly encouraged to participate in DECA.

SPORTS & ENTERTAINMENT MANAGEMENT

Prerequisite: C in Sports & Entertainment Marketing

This course is designed for students interested in an advanced study of sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: Business management, career development options, client relations, ethics, events management, facilities management, promotion, and sponsorships. Skills in communications, human relations, psychology, and technical writing are reinforced in this course. Classroom projects, marketing simulations, field trips, teamwork, DECA leadership activities, meetings, conferences, and competitions provide many opportunities for application of instructional competencies. Students are strongly encouraged to participate in DECA.

PRINCIPLES OF BUSINESS

Students are strongly encouraged to participate in FBLA

This course is designed to provide an approach to the business world as needed for life management skills. Students will study the effects of business on the economy and be introduced to the different economic systems. Instruction will include how to use banks and banking services, how to shop wisely and how to handle credit. Students will also be given the opportunity to explore careers of their choices. FBLA activities, as well as leadership skills, are provided through this course. Students will take the Workplace Readiness Skills Test. Students are strongly encouraged to participate in FBLA.

BUSINESS LAW

Prerequisite: 10th-12th graders only

Students examine the foundations of the American legal system and learn the rights and responsibilities of citizens and businesses. Students gain knowledge and skills by exploring economic and social concepts related to laws governing business and individuals. Focus areas include contracts, consumer protection, criminal law, tort law, international law, family/domestic law, employment law, cyber law, and careers in the legal profession. Students may combine classroom instruction and work-based learning opportunities in an approved position with continuing supervision.

COSMETOLOGY I

Prerequisite: Upon completion, students must continue to Cosmetology II & III; All students must purchase a cosmetology kit (\$150). Prerequisite: 10th graders only

In the first year of this 3-year program, students study hair, skin, and nails and their related care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting or classroom, using manikins for manipulative skill practice. This introductory course emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing, conditioning, styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures. Regular attendance is essential for success in this course. Students are required to purchase a cosmetology kit (\$90) which includes lab coat, shears, manikin, and other necessary supplies for the three-year program. Students are strongly encouraged to participate in Skills USA.

CAREER & TECHNICAL EDUCATION (CTE)

COSMETOLOGY II

Prerequisite: C+ in Cosmetology I

During the second year of Cosmetology, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. In this continuing course, students are trained in safe chemical processes related to permanent waves, relaxers, lightening, and coloring hair. Additionally, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. Students will also be introduced to a business management unit with a focus on managing the salon. Regular attendance is essential for success in this course. Students are strongly encouraged to participate in Skills USA.

COSMETOLOGY III

Prerequisite: C+ in Cosmetology II; Students are required to take the Cosmetology State Board Licensing Exam

In this advanced course, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to chemical texture services and advanced hair coloring techniques. They also develop artistic skills with wigs and hair additions. In addition, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. An advanced business management unit focuses on managing the salon. Competency completion prepares the student for the Virginia State Licensing Exam. Regular attendance is essential for success in this course. Students are strongly encouraged to participate in Skills USA.

CORE CRAFT SKILLS/

CARPENTRY I

Prerequisite: 10th-12th graders only

The gateway course to more than 70 craft areas offered by the National Center for Construction Education and Research (NCCER) – several of which are offered at JM through our partnership with Germanna. Successful completion of this course will enable students to obtain both an OSHA 10 card and the NCCER Core Craft Skills Credential. This course provides an overview of the materials, methods, tools, and techniques used in construction today. Unlike a shop class that focuses on

hobbyist woodworking, this course teaches the skills and knowledge base needed for an entry level position in the construction field. Students will learn measuring and marking skills, job-site safety, basic tool identification and operation, along with trade specific application of math and communication and employability skills. In addition, students will learn terms and core concepts foundational to building construction. The class is conducted to mirror the expectations for the employee of a construction company. Knowledge will be applied, and technical skills acquired through a variety of hands-on projects. These will range from small ones designed to reinforce basic skills to fabrication of shed kits to demonstrate mastery of the essential skills required to build any structure. Students will be required to cover the cost of any project not assigned by the instructor. Skills USA is co-curricular with the course and students are strongly encouraged to become dues-paying members.

If time permits, a module on the basics of business will be taught to encourage entrepreneurial spirit and open doors for promotions to management positions. Projects will be similar to those in Carpentry I, but more complex and completed to a higher standard. Students will absorb the cost of all projects except small structures and will be required to cover the cost of any project not assigned by the instructor.

CARPENTRY II

Prerequisite: C in Carpentry I

Carpentry II reinforces the material covered in Carpentry I and elaborates upon it. Areas receiving additional coverage include stair construction, specialty roof framing, and the finer details of finish carpentry and mill work. An introduction to cabinet-making along with the rudimentary principles of the electrical, plumbing, and HVAC trades will be included to give a more complete picture of the entirety of the residential home construction process.

ELECTRICITY I

Prerequisite: Successful completion of Carpentry II; Passed NCCER core curriculum modules

Students develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory, navigate the National Electrical Code Book, select and install conductors, and work with panelboards, switchboards, and generators. This class will take place at Germanna Community College (FredCAT building).

CAREER & TECHNICAL EDUCATION (CTE)

ELECTRONIC SYSTEMS I

Electronic devices are everywhere in modern life and business, and, as a result, opportunities abound for any who should master the knowledge and skills required to design, alter, repair, and construct them. This course allows students the opportunity to explore principles of electricity, apply knowledge in mathematics and science, and conduct experiments with electronics. An industry certification is available for this course.

ROBOTICS TECHNOLOGY

Students engage in the study of computers and microprocessors and their uses in manufacturing, transportation, and communication systems. Topics include computer equipment and operating systems, robotics, programming, control systems, and social/cultural impact of these technologies. Problem-solving activities challenge students to design, program, and interface devices with computer systems. Learning activities include robotics, computer-aided design, computer-aided manufacturing and design, and control of electromechanical devices. An industry certification is available for this course.

CAREER & TECHNICAL EDUCATION (CTE)

website management, and other advanced networking topics. Techniques that are used to install operating systems, set up and manage accounts, load software, and create and implement security plans are taught. This course may provide instruction about software-based network operating systems, such as Windows Server or Linux. Instruction will emphasize preparation for industry certification.

This course will be taught by a Germanna instructor and will be an asynchronous class. Students will be able to meet synchronously with the professor once a week. Hands on opportunities may be offered at the Germanna Fred Cat building throughout the year in the evening and weekends. This course will prepare the student for the Cisco class and lead to industry apprenticeship and intern opportunities for students.

DUAL ENROLLMENT: FREDERICKSBURG TEACHERS ACADEMY

Prerequisite: Minimum GPA of 2.7; Submission of Teacher Recommendation form; Completed application and essay

The Fredericksburg Teachers Academy fosters student interest, understanding, and appreciation of the teaching profession. Students build a foundation by learning the history, structure and governance of teaching, apply professional teaching techniques, and complete 12 to 15 days of field experience in a variety of grade levels. Students must think critically and creatively to produce a variety of products that reflect on their learning experiences. The Fredericksburg Teachers Academy is a Level I dual-enrollment course in which students can earn three transferable college credits.

DUAL ENROLLMENT: FREDERICKSBURG TEACHERS ACADEMY II

Prerequisite: Successful completion of DE: Fredericksburg Teachers Academy I; 12th grade only

Students continue to explore careers in the Education and Training Career Cluster and pathways. This course provides the opportunity for students to prepare for careers in education as they research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practicum experience.

This course is the second of a sequence to Fredericksburg City School's Fredericksburg Teachers Academy, and students must have received a B or higher in the previous course. Students are also required to be a dual enrollment student with the participating university. Additional educational leadership opportunities are offered through the student

organization Future Educators Association, and membership will be encouraged.

DUAL ENROLLMENT: NURSE AIDE I

Prerequisite: Successful completion of SDV 101 (online thru Germanna); Successful completion of Keyboarding or CIS; Spring placement test at Germanna prior to enrollment; 12 grade only

This course emphasizes advanced skills obtained in a variety of health care facilities under the supervision of an instructor from Germanna. Communication and interpersonal skills, infection control, safety and emergency procedures, recognition of changes in body functioning, personal care needs of both the long term care and acute care patient are studied. The legal aspects of practice as a certified nurse aide and occupational health and safety measures are also included. Each student is required to purchase a white scrub uniform, apron, white shoes, secondhand watch, and have a negative PPD (Tuberculosis screening test) and a urine drug screen test prior to clinical placement. This course is approved by the State Board of Nursing and will qualify the student for participation in the Virginia Nurse Aide Competence Evaluation Program (required for certification).

DUAL ENROLLMENT: NURSE AIDE II

Prerequisite: Successful completion of DE: Nurse Aide I

Nurse Aide II is an occupational preparation course, emphasizing advanced skill training in areas such as catheter care, range of motion, bowel and bladder training, care of the dying, selected procedures for maternal and infant care, and admission and discharge procedures. Students learn diseases and body systems as related to advanced clinical care of the acute medical-surgical patient, the chronically ill, and the elderly. On-the-job instruction in a licensed nursing home is part of the course. Upon completion of the nurse aide program, the student is eligible to take the nurse aide certification exam that leads to employment as a certified nurse aide in hospitals and nursing homes.

FRENCH

LEVEL 3 COURSES

FRENCH I

Students are introduced to written and spoken French. Students will learn basic grammar and vocabulary. They will develop listening and speaking skills through class participation. Students will explore various aspects of the French culture.

FRENCH II

Prerequisite: C- in French I

Students will continue to develop the skills of listening, speaking, reading, and writing. They review basic vocabulary while learning more advanced grammatical concepts. Additional vocabulary is acquired through listening and reading to improve basic conversational skills. This course includes the study of Francophone cultures.

LEVEL 2 COURSES

FRENCH III

Prerequisite: C- in French II

Students will continue to increase proficiency in the four skill areas of listening, speaking, reading, and writing. Speaking and understanding functional French will be heavily emphasized. By the end of the year, students should be familiar with all verb tenses. They will expand their knowledge of French culture and study an overview of history from Gaule to the Middle Ages.

FRENCH IV

Prerequisite: C in French III or Teacher Recommendation

This course is the first of two years of advanced study in the French language. It focuses on further mastery of the interactive, productive and receptive skills that students begin to develop in French I-III. The course explores aspects of topics relating to the francophone world, using a variety of authentic materials from print, audio and visual sources. These topics correlate to other courses of study, such as literature, social studies, science, and art. Students integrate knowledge across the curriculum while increasing their French fluency.

LEVEL 1 COURSES

DUAL ENROLLMENT FRENCH

Prerequisite: A grade of C+ or above in French 4 of French 3 and a teacher recommendation.

Students earn college credits for successful completion of this course. Students will continue to develop greater fluency in French in the areas of reading, writing, listening, and speaking. Authentic materials are used to prepare students to interact with French-speaking people in real-life situations. Students will learn to use more complex structures and a wider range of vocabulary. Students will also continue their study of Francophone culture with instruction on history, literature, the arts, and current events to gain a deeper appreciation of French-speaking people.

AP FRENCH LANGUAGE

Prerequisite: C in French IV

This is the second of two years of advanced study in the French language. It focuses on further mastery of the interactive, productive and receptive skills that students began to develop in French I-III and IB French I/French IV. The course explores aspects of topics relating to the francophone world, using a variety of authentic materials from print, audio and visual sources. These topics correlate to other courses of study, such as literature, social studies, science, and art. Students integrate knowledge across the curriculum while increasing their French fluency. All students enrolled in this class will prepare to take the AP exam in May via assessment methods that mirror the exam.

LATIN

LEVEL 3 COURSES

LATIN I

In this course, students will be introduced to the language of the ancient Romans. Emphasis is placed on translating from Latin to English and writing English sentences in Latin along with the study of various aspects of Roman life and history.

LATIN II

Prerequisite: C- in Latin I

A thorough review of grammatical forms and vocabulary will serve as the introduction to Latin II. Attention will be given to development in vocabulary and the presentation of more complex grammatical constructions: dependent verbs, participles, infinitives, indirect discourse, and the subjunctive mood.

LEVEL 2 COURSES

LATIN III CICERO

Prerequisite: B- in Latin II

Students will complete their study of Latin grammar as needed. Then, students will be introduced to the works of major Latin prose authors. Attention will be given to the history of Rome leading up to the last days of the Roman Republic and the first century of the Roman Empire. The works of Latin Prose Authors which will be translated from Latin into English may include Cicero, Caesar, Livy, and Pliny.

LATIN IV/V POETRY

Prerequisite: B in Latin III

This course in Latin poetry is based on selected works of major Latin poets. The works which will be translated from Latin into English include selections from Catullus's *Carmina*, Horace's *Odes* and *Satires*, Ovid's *Metamorphoses*, Juvenal's *Satires*, and Martial's *Epigrammata*. Emphasis will be placed on translation, critical analysis, scansion, and figures of speech employed by the poets.

LEVEL 1 COURSES

DUAL ENROLLMENT LATIN

Prerequisite: A grade of B in Latin III

This course introduces the reading of classical Latin with a review of Latin grammar, forms, and syntax. This year features an in-depth study of the works of Roman authors such as Vergil, Catullus, Ovid, and Cicero. Emphasis will be placed on literal translation, literary analysis, identification of stylistic devices, scansion, and an understanding of the cultural and literary background with which the authors interact.

AP LATIN LITERATURE

Prerequisite: B in Latin III/IV/V

In this course, students will translate from Latin into English selections from Latin Literature which appear on the AP Latin syllabus. Major readings will include selections from Vergil's *Aeneid*, and Caesar's *Commentarii de Bello Gallico*. Emphasis will be placed on translation, critical analysis, scansion, and figures of speech employed by the author(s). All students enrolled in this class will prepare to take the AP exam in May. Students may be expected to complete a summer assignment for this course.

SPANISH

LEVEL 3 COURSES

SPANISH I

Students will develop beginning communication competencies in listening, reading, writing and speaking Spanish and study Hispanic culture and history. Students will demonstrate skills necessary to carry out basic survival needs, deliver oral and written presentations, and read simple narration and comprehend messages. Students will acquire a working vocabulary for everyday use, understand basic elements of language structure (to include present and past tenses) and pronunciation. This course will present a balance of grammar and communication proficiency through the classroom use of audiovisual technology and interactive tasks.

SPANISH II

Prerequisite: C- in Spanish I

Students will continue their study of the Spanish language and culture of the Spanish speaking countries. Students will understand more complex grammar topics and learn to talk about events in the present, past, and future. Topics are presented in the contexts of everyday situations - travel, food, recreation, telecommunications - that provide real meaning and purpose to the acquisition of language skills.

SPANISH for HERITAGE SPEAKERS:

Prerequisite: Spanish is student's primary language

This course is designed to help students whose primary language is Spanish and who have interrupted, little, or no formal instruction in the language. While developing their speaking and listening skills, students will focus on the acquisition of writing and reading proficiencies. Students will acquire not only a working vocabulary for everyday use, but also discipline-specific vocabulary from all courses to improve their understanding across the curriculum. This course will present a balance of grammar and communication proficiency through the classroom use of audiovisual technology and interactive tasks.

LEVEL 2 COURSES

SPANISH III

Prerequisite: C- in Spanish II

This is an advanced level course taught in Spanish. Students will acquire extensive vocabulary, study advanced grammar, including all tenses of the indicative and the subjunctive, make progress and achieve greater accuracy in oral and written expressions, and read short selections from well-known Hispanic authors. Oral communication in Spanish is the primary goal of this course. Students will be expected to carry out conversational needs in Spanish.

SPANISH IV

Prerequisite: C in Spanish III

Spanish IV is a literature class. Students will read selections from Spanish and Latin American authors. Emphasis will be on reading comprehension and writing skills. Grammar will be reviewed in the writing assignments. Vocabulary will be chosen from the reading selections. At the end of the year the students will read a short novel. Class discussions will be in Spanish.

LEVEL 1 COURSES

AP SPANISH LANGUAGE

Prerequisite: C in Spanish IV

AP Spanish will follow the guidelines set for the AP Spanish Language and Culture course. The class stresses oral and auditory skills, reading comprehension, composition, grammar, and culture. All students enrolled in this class will prepare to take the AP exam in May. Students may be expected to complete a summer assignment for this course.

THEATRE

LEVEL 3 COURSES

DRAMA I

This beginning acting course introduces students to live theater. Through improvisation games and short scripted scene work presented to the class, the students will become more confident as live performers. The class will focus intensely on vocal projection and clarity of speech in front of an audience. This course also incorporates the concepts of the actor bringing physical life to the text, sensory awareness, memory, relaxation techniques, and concentration. Grading for the course is broken into the following categories: Classwork, Quizzes, Rehearsal Discipline, Memorization, Performance, and Critique.

DRAMA II

Prerequisite: Successful completion of Drama I

This course continues and enhances the students' physical and vocal training begun in Drama I. Through more advanced improvisation games and performance exercises, the students will strengthen their skills in vocal projection, memorization and character work. Students will perform scenes from published plays and also write original work. The students will occasionally engage in rehearsals running a week or longer that will focus on the process of developing an appropriate character for a scene. This course continues to incorporate the concepts of sensory awareness, relaxation, focus, and strengthening the actor's comfort on stage. Grading for the course is broken into the following categories: Classwork, Quizzes, Rehearsal Discipline, Memorization, Performance, and Critique.

TECHNICAL THEATRE

This course studies theatrical design and construction. The students will learn through hands-on projects about the process behind Scenic Design, Lighting Design, Costume Design, Make-up Design, Properties, and Stage Management. The class will study the progression of theatre technology through history from Ancient Greek to Contemporary. Students will study and practice safe scenic painting, carpentry, and electrical work. Students will be trained to use many types of hand and power tools, creatively implement various construction materials and create designs for a successful theatrical production. Students will build scenery and props, organize costumes, and implement the lighting design for the Upperclassmen Musical and Spring Play.

LEVEL 2 COURSES

DRAMA III

Prerequisite: A in Drama II

Students are expected to have a functional vocabulary of the stage and basic acting terms before entering the class. The class will explore acting exercises based on the work of Boal, Stanislavski, Meisner, Grotowski and others. Students will be introduced to script analysis and interpretation. The class will study multiple plays and perform scenes in each of the broad categories of Comedy, Tragedy, Classical, Modern, and Avant Garde. This course also places a strong focus on the actor/director relationship. Each student will have the opportunity to direct both published and original work. Grading is based on a student's ability to be self-motivated, show a clear progression in skill, participate fully in class exercises and attend class regularly.

DRAMA IV

Prerequisite: A in Drama III

In this advanced acting and directing course, students will identify areas of special interest in theatre arts and initiate and complete major research and/or creative projects such as playwriting, producing, directing, designing, and stage-managing. Emphasis is placed on in-depth study and completion of projects, assumption of leadership roles, and expansion of criteria for self-evaluation. Students will analyze and evaluate scripts, concentrate on vocal and physical dramatics, and undertake special theatre projects as assigned. Participation in major co-curricular theatre productions/performances is expected.

VISUAL ARTS

LEVEL 3 COURSES

GT ART FOUNDATIONS

Prerequisite: Teacher Recommendation

This course is designed for identified gifted art students who want to be on a high school portfolio track with the idea of advancing to Advanced Placement Art by their senior year. The course presents a more advanced study of the basic elements and principles of design. The student will participate in art activities that involve the use of a wide variety of art materials that include two/three-dimensional projects. The course also explores the many uses of color in drawing, painting, and print-making. Art history, aesthetics, and art appreciation are also explored in depth in this course.

ART I FOUNDATIONS

This course is designed to present beginning art students with fundamental art vocabulary and art making skills. Students will explore the elements of art and principles of design and apply the elements and principles to a variety of artworks. Art history, art criticism and art appreciation are all incorporated into this course. Students will explore a wide range of art history spanning from Classical art to Modern and Contemporary art. Students will have an opportunity to work with several techniques and art processes ranging from drawing and painting to collage and ceramics.

ART II: THREE-DIMENSIONAL ART, DRAWING, & PAINTING

Prerequisite: C+ in Art I

Students will create three-dimensional art works, study architecture, crafts and sculpture throughout history. They will also develop their skills in both abstract and realistic drawing techniques. Materials that will be utilized include, but are not limited to, wood, wire, clay, paper, plaster, paper mache, pencil, pen and ink, pastel, oil pastel, charcoal, colored pencil, and mixed media will be presented. Additionally, this course is designed to introduce students to painting with acrylics, tempera, and watercolor.

LEVEL 2 COURSES

ART III/ADVANCED ART

Prerequisite: B- in Art II class

This course offers students the opportunity to work independently and in depth on an advanced level. A variety of art media will be used in the production of art, which reflects a personal approach to visual problem solving. A portfolio for reference, recording observations, and presenting samples of work will be maintained, as well as a sketchbook journal.

LEVEL 1 COURSES

AP VISUAL ARTS 12 (SL/HL)

Prerequisite: Visual Arts II Teacher Recommendation; Successful completion of Visual Arts II

Students will be eligible to take the AP Art Exam at the completion of the course.

This continued exploration of the visual arts is designed for the student with a strong interest in visual arts and well-developed visual arts skills. Students hoping to study aspects of visual art at the university level or to be lifelong participants in the visual arts should consider this class. This course will encourage students to actively explore visual arts across numerous contexts. Through artistic inquiry, investigation, reflection and creative application, students will develop an appreciation of the diversity of art and makers and consumers of visual art. The course requires the student to create and choose their artistic works for exhibition as well as completing a comparative study of artworks and developing a process portfolio of their own art works.

MUSIC

LEVEL 3 COURSES

BEGINNING PERCUSSION

This appreciation course will introduce students to the fundamentals of percussion performance. No musical experience is necessary. The students will learn techniques on snare drum, mallet instruments and other auxiliary percussion instruments. The students will also learn to read music and explore the areas of writing musical notation, music theory and music history. This course also qualifies as a prerequisite for additional instrumental courses.

BEGINNING ORCHESTRA

Rental or purchase of an instrument and Essential Elements Book 1 is required. Students who have never played an instrument before do not need to have an instrument prior to the start of class.

This introductory orchestra class is offered for students who have never played an instrument before Skills or for beginning students who would like to further develop their fundamental skills. Students may choose to sign up for this class on their own or be recommended by the orchestra director. This is a fun class where students will learn new skills, practice working in an ensemble setting, and perform in concerts to showcase their talents and hard work.

CONCERT STRING ORCHESTRA

Prerequisite: 2 years of playing experience and/or Teacher Recommendation. Students who have completed Beginning Orchestra may enroll in this class with Teacher approval. Instrument rental/purchase is required.

This is an intermediate ensemble for students with prior middle/high school orchestral experience who wish to continue their musical studies in string orchestra. While no audition is required, enrollment is at the director's discretion to ensure the course is level-appropriate so students can succeed and have a terrific musical experience! Those transferring from another school or home school program must consult with the director prior to enrolling in the course.

CONCERT BAND

Prerequisite: Successful completion of at least one year of middle school band

This ensemble is for students with prior middle/high school band experience who wish to continue their musical studies. While no audition is required, enrollment is at the director's discretion to ensure the course is level - appropriate. Those transferring from another school or home school program must

consult with the director prior to registering for the course.

MEN'S CHORUS

This course is for men who are beginners who wish to become better singers or experienced singers who want a limited performance scheduled. Students will study music theory, music history, and sight-reading, but will mainly focus on the performance aspect. Students will be graded on participation, theory tests, singing, and correct stage presence, including concert attire, posture, and behavior. Participation in quarterly concerts is mandatory. Those transferring from another school or home school program must consult with the director prior to registering for the course. Students are eligible to audition for VA Honor Choir, District Chorus, and All-State Chorus. There will be a fundraiser commitment to offset the cost of uniforms, trips and other choral department expenses.

WOMEN'S CHORUS

This course is for women who are beginners who wish to become better singers or experienced singers who want a limited performance schedule. Students will study music theory, music history, sight-reading, but will mainly focus on the performance aspect. Students will be graded on participation, theory tests, singing, and correct stage presence, including concert attire, posture, and behavior. Participation in quarterly concerts is mandatory. Those transferring from another school or home school program must consult with the director prior to registering for the course. Students are eligible to audition for VA Honor Choir, District Chorus, and All-State Chorus. There will be a fundraiser commitment to offset the cost of uniforms, trips and other choral department expenses.

MUSIC RECORDING & PRODUCTION I

Prerequisite: Completion of one high school music course, or permission of the instructor; 10th-12 graders only

This course will offer students the opportunity to develop an understanding of music composition through the use of music notation software and hardware. Students will also develop skills that will assist them with creative and technical expression. A portfolio of compositions, arrangements and recordings representing a variety of styles and compositional situations will be developed throughout the course.

MUSIC

LEVEL 2 COURSES

ADVANCED PERCUSSION

Prerequisite: C in Beginning Percussion; Teacher Recommendation

Students in this class will continue to develop techniques on the snare drum, mallet instruments, tympani and other auxiliary percussion instruments. The students will also enhance their music reading skills, explore the areas of writing musical notation, and delve into advanced music theory and music history. This course is designed to prepare students for the requirements for participating in other instrumental activities as a percussionist at James Monroe High School (i.e., Marching Yellow Jackets, JM Indoor Drumline, Jazz Band, Symphonic Band). This is a performance-based course; outside performances and rehearsals are mandatory. Grading will be based on class participation, playing tests, and performances.

MUSIC THEORY

Prerequisite: Two years proper documentation of prior study of an instrument or voice

Music Theory is designed to develop a student's ability to recognize, understand and describe the basic process and materials used in music. Emphasis is on basic components in the creation of what is heard or presented in a musical score. Students will be required to read, notate, compose, perform, and listen to music of varied periods and cultures. Aural, analytical and compositional skills will be emphasized using both listening and written exercises and through the use of the piano keyboard. Music history, the relationship of the history of music to the other arts, historical perspective of music, and world events will also be discussed.

SYMPHONIC BAND

Prerequisite: Audition required

Emphasis will be placed on mastery of all musical scales, the application of advanced music theory, leadership, the study of varying musical styles, and the study of music history. Students are required to attend all performances and after school rehearsals. Grading is based attendance, class participation, playing tests and performances. Students should supply their own instrument, however, some larger instruments are available to rent. Participation in Marching Band is highly encouraged. This class has a heavy performance schedule; educational performance trips occur periodically.

ADVANCED ORCHESTRA

Prerequisite: Significant orchestral experience, Instructor Recommendation, and/or audition required

This is a small, advanced ensemble for students who want a more challenging musical experience. In this course, students will further refine their ensemble performance skills through a vigorous concert schedule featuring more challenging literature. Students will deepen their understanding of musicality, performance, technical skills and professionalism. Students must audition for this course. Auditions typically occur in May; specific requirements will be given prior to the audition.

ADVANCED WOMEN'S CHORUS

Prerequisite: Audition required

This course is for advanced ladies with an expanded performance schedule involving more advanced music literature. Students will study music theory, music history, and sight-reading. Students will be graded on participation, theory tests, singing, and correct stage presence, including concert attire, posture, and behavior. Participation in quarterly concerts is mandatory. Students are eligible to audition for VA Honor Choir, District Chorus, and All-State Chorus. There will be a fundraiser commitment to offset the cost of uniforms, trips and other expenses. This class has a heavy performance schedule; educational performance trips occur periodically.

MONROE SINGERS

Prerequisite: Audition required

The Monroe Singers is a small, specialized group of musically talented students. Students will develop skills in working with harmonies without the use of music. Ear training and sight-reading are stressed. Performance is one of the main goals of the class. Students strive to achieve the highest degree of professionalism in performance. This course is graded on various tests, concert attire, class participation, and student participation in all required concerts. Students are strongly urged to audition for District and All Virginia Chorus. There will be a fundraiser commitment to offset the cost of uniforms, trips and other expenses. This class has a heavy performance schedule; educational performance trips occur periodically.

SPECIAL EDUCATION

CORE SUBJECTS

ENGLISH 9-12

HISTORY 9-12

MATH 9-12

SCIENCE 9-12

Prerequisite: Teacher/Counselor Recommendation

Academic instruction is aligned with the Virginia Essentialized Standards of Learning to support students with core instruction and individualized education plans. The course incorporates daily living, vocational, and social skills with a focus on increasing student independence.

ELECTIVES

ADAPTIVE PE

Prerequisite: Teacher/Counselor Recommendation

The Adaptive Physical Education Program is designed to assist students who require individualized instruction due to any or all of the following conditions: 1. The student is educationally unable to meet the minimum requirements of a regular classroom environment; 2. The student requires small group instruction due to reading or other learning impairments; 3. the student is physically unable to participate because of physical limitations (i.e. vision, hearing, muscular condition, asthma, or heart conditions). The student's guidance counselor and/or the school nurse will be responsible for screening students for participation in this program.

ADAPTIVE MUSIC

Prerequisite: Teacher/Counselor Recommendation

The Adaptive Music Education course is designed for students who want to build an understanding and appreciation of music. Students will participate through singing, eurhythmics, and the development

ADDITIONAL RESOURCES

LIFE SKILLS 9-12

Prerequisite: Teacher/Counselor Recommendation

In this course, curriculum involves daily living, vocational, and social skills to increase student independence. Curriculum incorporates social and community experiences and community based instruction and/or work experiences and individualized education plans.

STUDENT DEVELOPMENT

Prerequisite: Teacher/Counselor Recommendation

This class period is provided to give direct academic support to students needing assistance with their regular educational program. This includes written communication review and practice, remediation, supplemental instruction and assistance in study skills, organizational skills, time management, and goal setting.

SOCIAL SKILLS

Prerequisite: Teacher/Counselor Recommendation

In this course, students learn problem solving techniques to assist them in making appropriate decisions during adverse situations. This course also explores stress reduction through various scenarios and role playing exercises that emphasize ignoring and moving away from adverse situations. Curriculum includes character traits, appropriate behavior, acceptance, and conflict resolution.

ENGLISH LANGUAGE LEARNERS

ELL LITERACY

Prerequisite: Permission of Instructor; Enrollment based on ACCESS scores

The content of this course focuses on the development of literacy skills, vocabulary (both recognition and production), and grammar. Reading skills will be developed through the use of highly contextualized informational texts.

ELL RESOURCE

Prerequisite: Permission of Instructor; Enrollment based on ACCESS scores

This course focuses on the development of English language skills using various methodologies. It also provides direct academic support to students needing assistance with their regular educational program. This support includes remediation, supplemental instruction, assistance in study skills, organizational skills, time management, and goal setting.



JAMES MONROE HIGH SCHOOL

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