Sherwood Warriors High School

Course Catalogue 2021-2022

Contents:

ON TRACK FOR GRADUATION

Class of 2022

FIRST YEAR NINTH GRADE: 2018–2019

MCPS Graduation Requirements at a Glance

THE STATE OF MARYLAND AUTHORIZES ONE DIPLOMA for all high school graduates, based upon successful fulfillment of four categories of requirements: enrollment, course credit, student service learning (SSL), and Maryland assessments. Students must satisfactorily complete four years beyond Grade 8 to meet the enrollment requirement. All other requirements are summarized in the table below. Please consult either the online MCPS Course Bulletin at ***http://coursebulletin.montgomeryschoolsmd.org*** or your school counselor for further information.

COURSE CREDITS			
English	**4 credits**		
Fine Arts	**1 credit**—Selected course in art, dance, drama/theater, and music satisfies this requirement (FA). Courses satisfying this requirement are designated in the course bulletin.		
Health Education	**0.5 credit**		
Mathematics	**4 credits** including one with instruction in algebra aligned with the Maryland High School Assessment for algebra or 1 or more credits in subsequent mathematics courses for which Algebra I is a prerequisite, and 1 with instruction in geometry aligned with the content standards for geometry. **NEW STATE REQUIREMENT FOR STUDENTS GRADUATING IN 2018 AND LATER:** Students graduating in 2018 and later must be enrolled in a math course in each year of high school. This may result in students earning more than 4 credits in math for graduation.		
Physical Education	**1 credit**		
Science	**3 credits** 1 biology credit, designated BC, and 1 physical science credit, designated PC, must be included. See Science Department offerings section of the course bulletin for more details.		
Social Studies	**3 credits** 1 U.S. History credit; 1 World History credit; and 1 National, State, and Local Government credit required.		
Technology Education	**1 credit** designated **TE**. Advanced Technology (AT) courses do not satisfy the **TE** course requirement. Courses satisfying this requirement are designated in the course bulletin.		
Electives The additional credits required for graduation may be fulfilled by one of the following three options:	**OPTION 1**	**OPTION 2**	**OPTION 3**
	2 credits in a world language, which may include American Sign Language, **AND** **2.5 credits** in elective courses	**2 credits** in advanced technology education (AT) **AND** **2.5 credits** in elective courses	**Complete a** state-approved Program of Study **AND** **0.5 credit** in elective courses
STUDENT SERVICE LEARNING (SSL)			
Student Service Learning (SSL)	**75** service-learning hours		
MARYLAND COMPREHENSIVE ASSESSMENT PROGRAM HIGH SCHOOL ASSESSMENT (MCAP HSA) REQUIREMENTS[1,2,3,4] The MCAP HSA requirements are subject to change by Maryland State Department of Education (MSDE).			
Algebra 1	Course credit earned in Algebra 1, **AND** • Take Algebra 1 PARCC **prior** to 2016–2017, **OR** • Pass Algebra 1 HSA		
HS-MISA Maryland Integrated Science Assessment	3 NGSS science course, **AND** • Pass HS-MISA		
English 10	Course credit earned in English 10 **or** equivalent, **or** ESOL 3 or higher, **AND** • Pass English Language Arts/Literacy (ELA/L) 10 HSA		
Government	Course credit earned in National, State, and Local Government, **AND** • Pass Government HSA		

[1] *Substitute Test—Students earning qualifying scores on substitute tests (AP/IB) will meet the MCAP HSA requirement in that content area.*
[2] *Transfer Credit—Students transferring from outside MD public schools may be eligible to meet some MCAP HSA content-area requirements with transfer credit.*
[3] *Combined test score options are available for the HSAs and for the PARCC assessments.*
[4] *Bridge Plan—An alternative means of meeting the MCAP HSA graduation requirement. With the Bridge Plan, students demonstrate content mastery by completing projects when they have difficulty passing the traditional test.*

PREVIEW FOR CURRENT MIDDLE SCHOOL STUDENTS

Starting with Class of 2023

FIRST YEAR NINTH GRADE: 2019–2020

MCPS Graduation Requirements at a Glance

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Physical Education	**1 credit**		
Science	**3 Next Generation Science Standards (NGSS) credits** including 1 life science credit **(BC)** and 1 physical science credit **(PC)**. Courses satisfying this requirement are designated in the course bulletin.		
Social Studies	**3 credits** must include 1 U.S. History credit; 1 World History credit; and 1 National, State, and Local Government credit.		
Technology Education	**1 credit** designated **TE**. Advanced Technology (AT) courses do not satisfy the **TE** course requirement. Courses satisfying this requirement are designated in the course bulletin.		
Electives The additional credits required for graduation may be fulfilled by one of the following three options:	**OPTION 1**	**OPTION 2**	**OPTION 3**
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STUDENT SERVICE LEARNING (SSL)			
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HS-MISA Maryland Integrated Science Assessment	3 NGSS science courses in science, **AND** • Pass HS-MISA		
English 10	Course credit earned in English 10 **or** equivalent, **or** ESOL 3 or higher, **AND** • Pass English Language Arts/Literacy 10 PARCC		
Government	Course credit earned in National, State, and Local Government, **AND** • Pass Government HSA		

[1] *Substitute Test—Students earning qualifying scores on substitute tests (AP/IB) will meet the MCAP HSA requirement in that content area.*
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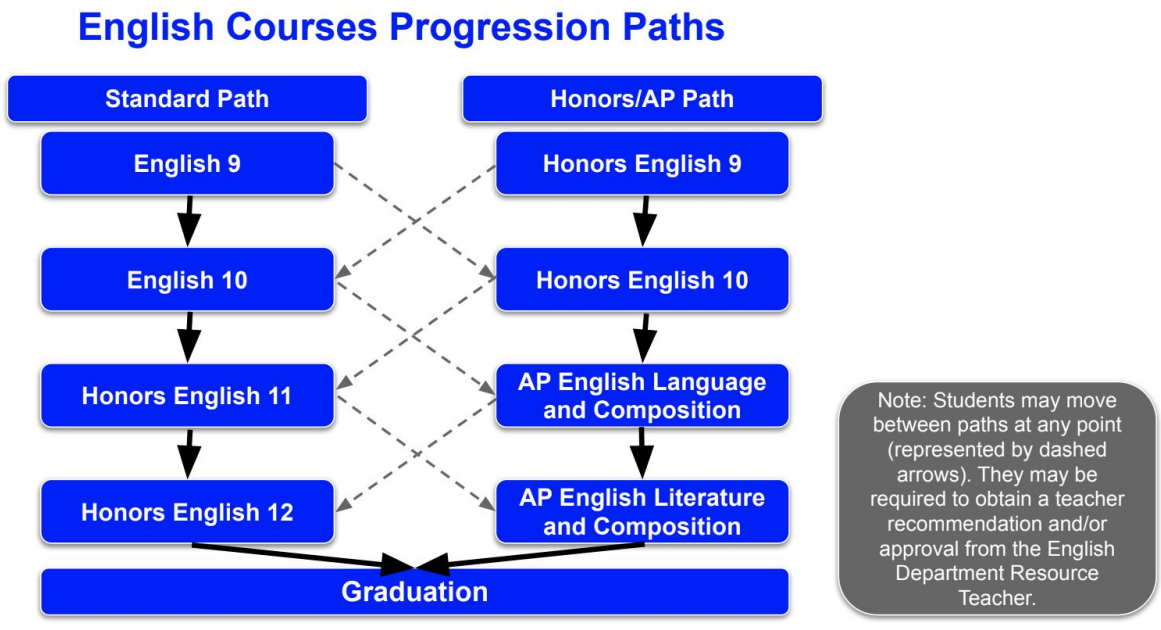
[4] *Bridge Plan—An alternative means of meeting the MCAP HSA graduation requirement. With the Bridge Plan, students demonstrate content mastery by completing projects when they have difficulty passing the traditional test.*

VALID FOR THE 2019–2020 SCHOOL YEAR

LAST UPDATED—26 FEBRUARY 2019

English

Planning Diagram English



English Course Descriptions

English 9 A/B

English 9 lays the foundation for the detailed analysis and argumentation that is expected of students throughout high school. In English 9A, students explore and develop their voices as writers. Approaching literature as apprentice writers, they examine models such as short stories, essays, and novels to explore the choices writers make and the effects arising from those choices. They learn to emulate those effects in their own work and practice reflection, revision, and rewriting. In 9B, students hone their critical reading skills by studying texts closely. Through careful reading and analysis, students learn to consider diverse interpretation of experiences of a wide variety of perspectives.

Honors English 9 A/B

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English 10 A/B

The course unit includes four units: Stories of the individual-memoir and Coming-of-age stories; stories in the oral tradition-drama and epic poetry; stories in the world-historical and political literature; and stories of other worlds--science fiction, fantasy, and imaginative literature. Students compose in different modes for different purposes, with opportunities to practice composing in the genres of study.

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Honors English 11 A/B

Inquiry into the American Experience encourages both teacher and student autonomy, so as to provide for the kind of creative, authentic, and deep teaching and learning necessary to prepare all students for college and careers. Teachers develop units based on broad themes and open-ended questions, engaging students with complex texts, ideas, and writing assignments. Throughout the course, teachers also encourage students to choose texts from diverse perspectives and time periods, research issues that interests them, and present their ideas in a variety of analytical and creative formats.

Honors English 12 A/B

Inquiry into the Global Experience encourages students to consider multiple and complex points of view on universal themes and global issues. Students pursue questions that interest them and read a variety of texts that are diverse in terms of cultural experience, time period, and world view, including texts from non-Eurocentric perspectives. The word "inquiry" in the course title emphasizes the search to make meaning and grapple with the big ideas and challenging issues of our increasingly global society. Preparatory to college and careers, students continue to develop skills for language to understand a world that is rapidly changing in terms of how information is produced and shared.

AP English Language & Composition A/B

This course is devised for motivated students with a command of standard English and a lively interest in the power and versatility of language. Students read complex prose written in a variety of periods, disciplines, and rhetorical contexts and write for a range of purposes to express ideas with clarity and precision. Students are strongly encouraged to take the AP examination at the end of the course.

AP English Literature & Composition A/B

This course is designed for motivated students with a command of standard English and an interest in reading challenging Composition, AP A/B literature, both classical and contemporary and representative of dominant literary genres and themes. Students apply methods of literary analysis and write for a variety of purposes to increase their precision in expression. Students are strongly encouraged to take the AP examination at the end of the course.

Literature as Film (elective 1 semester)

Many movies originally started out as novels, plays, or short stories. This course examines the original texts and choices made by writers and directors in the adaption process. Students gain the skills necessary to critically read and analyze texts and films to evaluate the works of professionals and peers. Opportunity exists to produce original essays, storyboards, critiques, and short films. Genres covered include drama, mystery, film noir, western, comedy, gangster, and horror/thriller.

College Test Prep (elective 1 semester)

This one-semester course is designed to improve student achievement on the ACCUPLACER, ACT, and SAT. Students review English and math skills related to the test formats and develop test-taking skills.

Creative Writing (elective A/B)
This course is designed for students interested in creative and advanced expository Writing. Students receive guided instruction in creative writing with special emphasis on poetry, drama, fiction, and expository writing. Regular guidance and instruction take place mainly in small, common-interest groups, supplemented by frequent teacher-students conferences and critiques.

Techniques of Advanced (Newspaper A)(elective 1 semester)
Students in this course learn the techniques of journalistic reporting and writing. Students practice these skills through a variety of written products that include news features, editorials, reviews, personal columns, and sports coverage. The course also emphasizes the study and interpretation of current events and how the news is presented through different forms of media. Students in the course are members of The Warrior staff and contribute articles for publication in the school newspaper.

Publications Editing (Newspaper B)(elective 1 semester)
This course builds on the skills of Newspaper A as students develop mastery of journalistic styles of writing. Students also learn the techniques and knowledge needed to produce and manage The Warrior school newspaper in both print and online platforms. The course provides management instruction in all aspects and phases of publications planning, including editing, photography, layout, advertising, and social media.

Yearbook 1, Yearbook 2 (elective A/B)
Yearbook is an elective course with beginning, advanced, and intern levels in which students learn the techniques and principles of yearbook journalism, the graphic principles of layout and design, and the fundamentals of managing a small business. The goal of the staff is to produce a journalistically sound, creative, and unique book on time and within a budget; foster student growth in journalism and graphic design; develop leadership skills; and provide experience in business management.

Oral Interpretation & Media Study (elective 1 semester)
This course offers opportunities for students interested in forensics, effective speaking and oral interpretation. Student activities include interpreting literature, analyzing texts for oral interpretation, communicating experiences through writing, studying characteristics of radio and television, and explore career implications of speech in the media.

Theatre I: This course is a great introduction to Theatre. Learn what Theatre is and the basics of performing through a variety of performances, including improvisation games. Students are also exposed to a variety of theatrical productions, including field trips to area theaters to see live shows. It is a great way to get to know your peers in a whole new way, build confidence, and form lasting friendships.

Theatre II: In Theatre II, the knowledge and skills learned in Theatre I are applied to production and performance. Students study script analysis, character development, performance skills and processes, and beginning technical production skills. Studying the aesthetics and history of the Theatre, reading plays, and attending plays will provide a balanced framework for application of Theatre criticism. Careers in acting and technical theater are also be discussed.

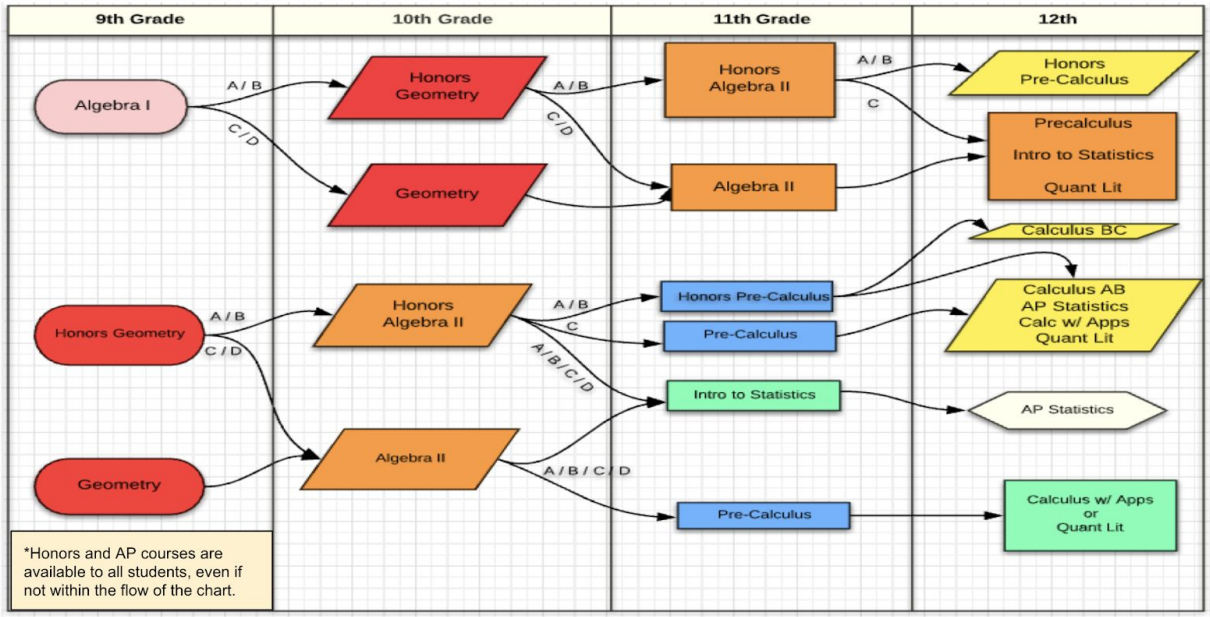
Advanced Acting (1 semester): In this course, the actor takes all of the skills learned in previous courses and sharpens them even further. Students perform in various scenes, monologues and productions using the techniques of some of the great acting theorists and often helping to guide and teach students in lower-level Theatre classes.

Play Directing (1 Semester): Students usually take this class along with Advanced Acting to create a full year of Theatre instruction for advanced students. At this point, the students become the directors and lead their peers in several productions throughout the semester. Students learn how to lead others, communicated effectively, and execute their creative ideas.

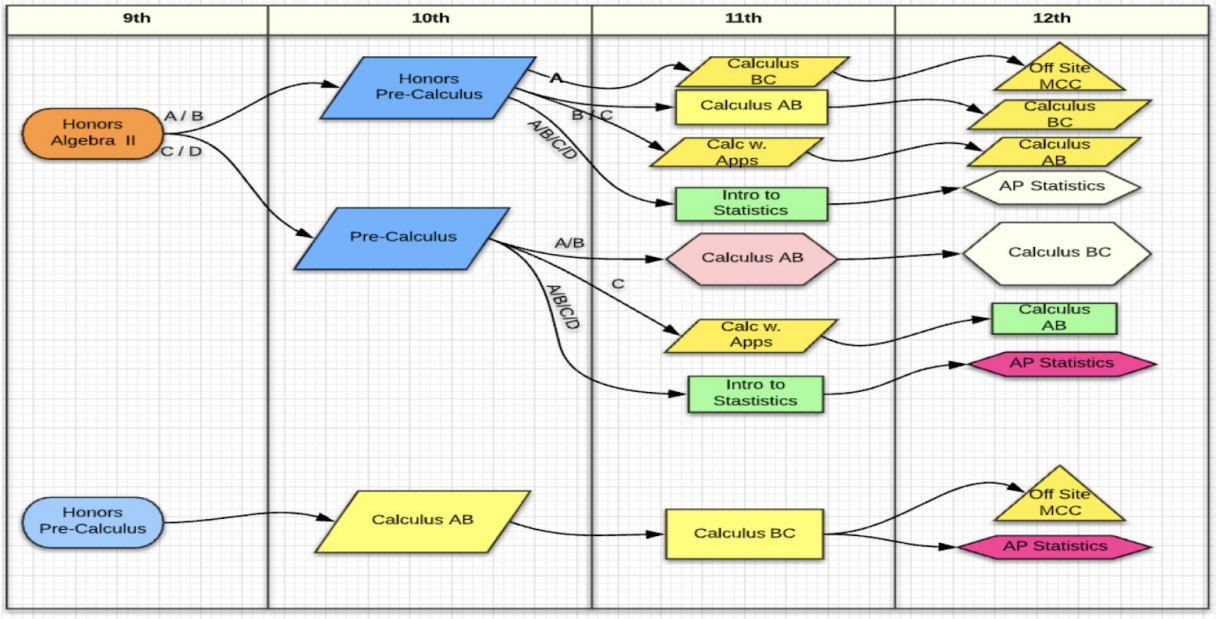
Mathematics

Planning Diagrams Math

Sherwood Mathematics Course Flowchart



Sherwood Mathematics Course Flowchart



Mathematics Course Descriptions

Algebra 1 A/B

0.5 credit per semester

Algebra 1 is designed to analyze and model real-world phenomena. Exploration of linear, exponential, and quadratic functions forms the foundation of the course. Key characteristics and representations of functions--graphic, numeric, symbolic, and verbal--are analyzed and compared. Students develop fluency in solving equations and inequalities. One- and two-variable data sets are interpreted using mathematical models.

Related Mathematics A/B

0.5 credit per semester

Related Mathematics is taken in conjunction with Algebra 1. It reinforces the essential pre-algebra and algebra concepts and procedures necessary to function in authentic problem-solving situations. Students focus on concepts and applications related to success in Algebra 1 and use technology in the problem-solving process.

Geometry A/B

0.5 credit per semester

Prerequisite: Algebra 1 A/B

(Honors Geometry moves at a faster rate than on-level Geometry)

Geometry formalizes and extends student geometric experiences from the elementary and middle school grades. Students explore more complex geometric situations and deepen their understanding of geometric relationships, progressing toward formal mathematical arguments. Instruction at this level will focus on the understanding and application of congruence as a basis for developing formal proofs; the relationships among similarity, trigonometry and triangles; the relationships between two- and three-dimensional objects and their measurements; exploration of geometric descriptions and equations for conic sections; and application of geometric concepts in modeling situations.

Algebra 2 A/B

0.5 credit per semester

Prerequisite: Algebra 1 A/B and Geometry A/B

(Honors Algebra 2 moves at a faster rate than on-level Algebra 2)

In Algebra 2, students build on their Algebra 1 knowledge of linear, quadratic, and exponential functions and extend their repertoire to include polynomial, rational, radical, exponential, and logarithmic functions. Students continue to use mathematical models to solve real-world problems. They use the coordinate plane to apply trigonometry in modeling periodic phenomena. Students synthesize and generalize what they have learned about a variety of function families and explore the effect of transformations on the graphs of diverse functions. Students will also study topics in probability and statistics.

Precalculus A/B

0.5 credit per semester

Prerequisite: Algebra 2

(Honors Precalculus moves at a faster rate than on-level Precalculus)

Precalculus completes the formal study of the elementary functions begun in Algebra 1 and Algebra 2. Students focus on the use of technology, modeling, and problem solving. Functions studied include polynomial, exponential, logarithmic, rational, radical, piece-wise, and trigonometric and circular functions and their inverses. Parametric equations, vectors, and infinite sequences and series are also studied.

Calculus with Applications A/B

0.5 credit per semester

Prerequisite: Precalculus

Calculus with Applications topics include limits, continuity, and derivatives of functions, the definite integral, and their real-world applications. Students find and apply derivatives numerically, graphically, and symbolically. Previously studied functions will be analyzed using calculus concepts. The relationship between the derivative and the definite integral is

developed. Students will model real-world situations involving rates of change using difference or differential equations.

Calculus AB, Advanced Placement, A/B

0.5 credit per semester

Prerequisite:Precalculus

Calculus AB topics are those traditionally offered in the first year of calculus in college, and are designed for students who wish to obtain a semester of AP in college. The topics studied include limits, continuity, derivatives and integrals of algebraic and transcendental functions and their applications, and elementary differential equations.

Calculus BC, Advanced Placement, A/B

0.5 credit per semester

Prerequisite: Honors Precalculus

Calculus BC includes all of the topics in Calculus AB, as well as convergence tests for series, Taylor or Maclaurin series, vector, polar, and parametric functions. Students in BC Calculus may receive two semesters of AP in mathematics.

Introduction to Statistics A/B

0.5 credit per semester

Prerequisite: Algebra 2

Introduction to Statistics A/B is a two-semester course that provides preparation to maximize the potential for success in an AP Statistics or college statistics course. Topics

include data analysis, probability, simulations, inferential statistics, normal and binomial distribution, techniques of sampling, confidence intervals, and hypothesis testing. Students use exploratory methods to identify patterns and make decisions. Emphasis is placed on applications and the use of statistics to solve real-life problems.

Statistics, Advanced Placement, A/B

0.5 credit per semester

Prerequisite: Algebra 2

AP Statistics students engage in the exploratory analysis of data, using graphical and numerical techniques. Data sets are collected using statistical design methods. Students produce appropriate models using probability, simulation, and statistical inference. Models are used to draw conclusions from data and analyzed by inferential methods to determine whether the data support or discredit the model. This course is equivalent to a non-calculus-based introductory college statistics course.

Quantitative Literacy A/B

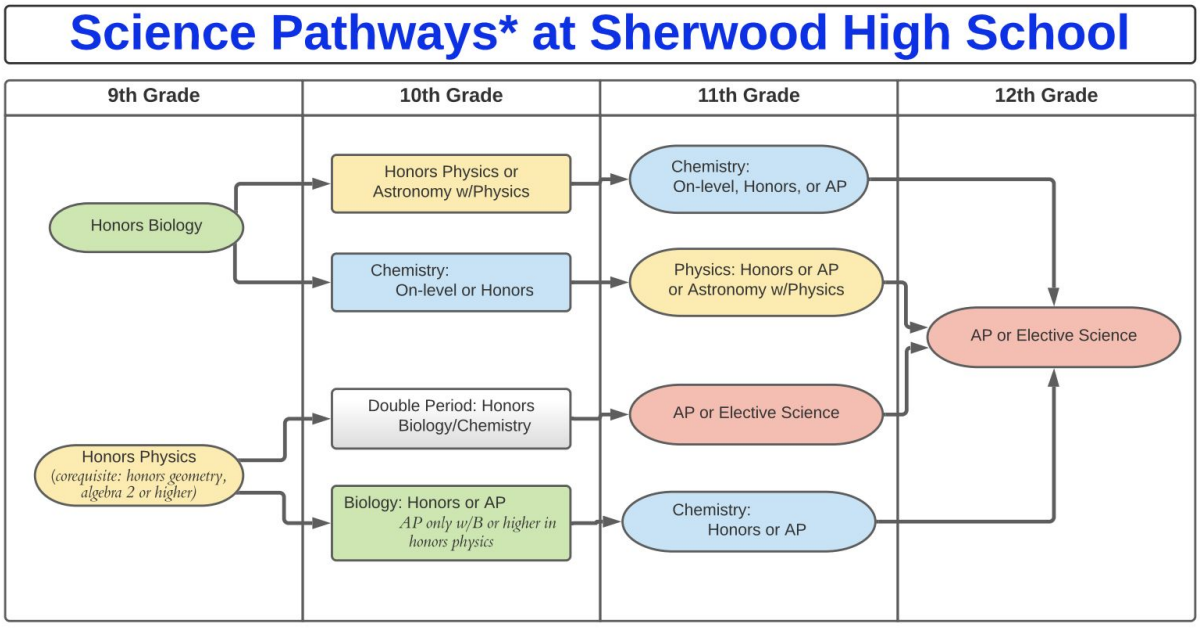
0.5 credit per semester

Prerequisite: Algebra 2

Quantitative Literacy is designed to enhance students' abilities in mathematical decision making and financial literacy. Emphasis is on the mathematical aspects of savings and investments, loans and credit, budgeting, chance, decision making, and starting a business.

Science

Planning Diagram Science



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Following one of these recommended pathways ensures that students meet the requirements for graduation and are college-ready. In consultation with the student's counselor/science resource teacher, other pathways are possible. All students need 3 NGSS aligned science courses to graduate. Of those 3 courses, 1 must be biology and 1 must be a physical science (chemistry or physics). The third NGSS aligned science course may be of the student's choosing instead of what is listed for 11th grade. Except for elective science courses, all courses here, including AP courses, are NGSS aligned science courses. Some courses have pre and corequisites not listed here. Please see the SHS Science Course Catalog for course specific details and to learn more about our expansive selection of electives!

Science Course Descriptions

Science Course Catalog

Sherwood High School

Honors Biology	Biology, Honors A/B 0.5 credit per semester This NGSS aligned course emphasizes the patterns, processes, and relationships of living organisms. Students will use observations, experiments, hypotheses, tests, models, theory, and technology to explore how life works. Core ideas include structures and processes in organisms, ecology, heredity, and evolution. There will be multiple opportunities for students to apply these ideas in developing solutions to authentic problem-based scenarios while also exploring career opportunities. Grade Level: 9 - 10 - 11 - 12 Additional Course Information: ● Satisfies the Biology credit graduation requirement
Honors Biology (DP) double period half year	Biology, Honors A/B (Double period) 1.0 credit per semester Same course as described above but students complete the course at an accelerated pace in 1 semester rather than 1 year. Open to rising 10th grade students who took honors physics in grade 9. Concurrent enrollment in double period honors chemistry required. Grade Level: 10 Additional Course Information: ● Satisfies the Biology credit graduation requirement
AP Biology	Biology, Advanced Placement A/B (Double period) 1.0 credit per semester

double period full year	Biology AP is for highly motivated students with interest in biology. The course emphasizes laboratory investigations and builds on the concepts covered in Biology. Students prepare to take the AP Biology examination at the end of the course. Topics in Biology AP include chemistry of life, cytology, cellular energetics, genetics, diversity of life, evolution, ecology, and behavior. Dissections may occur in this course. This course is NGSS aligned. Prerequisite for rising 10th grade students only: grade of B or higher in honors physics No prerequisite for grades 11 & 12 Grade Level: 10-11-12 Additional Course Information: ● Satisfies the Biology credit graduation requirement
Molecular Biology	Molecular Biology A/B 0.5 credit per semester This course stresses the concepts, theories, and techniques of molecular biology, classical genetics, modern genetics, DNA technology, and bioethics. Laboratory investigations parallel those in a scientific research laboratory. This advanced-level course prepares students for work at a scientific research facility Grade Level: 11 - 12 Additional Course Information: ● Advanced science elective (adds to weighted GPA)
Anatomy & Physiology	Anatomy and Physiology A/B 0.5 credit per semester This course is a study of the major systems of the human body. Career opportunities in medical-related fields are examined. The course is intended for advanced-level students. Anatomy and Physiology A topics include cells, tissues, and systems (skeletal, muscular, integumentary, and nervous). Anatomy and Physiology B topics include digestive, respiratory, circulatory, excretory, endocrine, and reproductive systems.

	Grade Level: 11 - 12 Additional Course Information: ● Advanced science elective (adds to weighted GPA)
Wildlife Biology 1 semester course	Wildlife Biology 0.5 credit per semester This honors-level course is for students interested in studying the biology, behavior, and habitats of various animal populations. Coursework includes field study techniques, labs, research, projects, and information about animal science careers. Topics include wildlife census projects, research studies, data analysis, evaluation of ecosystems, population management and conservation of endangered species, and human impact on wildlife and habitats. mine the viability of vertebrates and aquatic macroinvertebrates. Prerequisite: Biology A/B or AP Biology A/B Grade Level: 11 - 12 Additional Course Information: ● Science elective
Environmental Research & Project Design 1 semester course	This course is intended as the companion course for wildlife biology but is open to students who have taken AP Environmental Science. Students who take wildlife biology one semester may take this course the other semester. This course aims to develop problem-solving and project design skills associated with studies in fields such as ecology, biology, civil engineering, conservation biology, environmental restoration, or other environmental topics suggested by students. With an enhanced understanding of the problem-solving process, students can attack environmental problems on a local or global scale. The course focuses on analysis, synthesis, communication, and design development. Students direct their learning by focusing on personal interest topics and strive to achieve a high level of design literacy by enhancing critical thinking and design skills, which they can apply in a practical context. Grade Level: 11 - 12

	Additional Course Information: ● Science elective
AP Environmental Science	Environmental Science, AP A/B 0.5 credit per semester AP Environmental Science is for highly motivated students with interest in interdisciplinary science. It builds on concepts covered in Environmental Science, with greater detail in content and laboratory investigations. Students are prepared to take the AP Environmental Science examination. Topics include the interrelationships of the natural world and environmental problems, issues, and solutions. This course is NGSS aligned. Prerequisite: biology A/B Grade Level: 11 - 12 Additional Course Information: ● May be used as the third science course toward graduation
Environmental Science	Environmental Science A/B 0.5 credit per semester This course explores ecological interactions through the systematic study of global realms-atmosphere, hydrosphere, lithosphere, and biosphere. Environmental Science A is an overview of ecosystems, energy flow, geology, chemical cycles, population studies, community dynamics, and pollution. Environmental Science B includes topics in land and water use, energy, food and natural resources, and populations. This course is not NGSS aligned. Grade Level: 11 - 12 Additional Course Information: ● Science elective
Honors Chemistry	Chemistry, Honors A/B 0.5 credit per semester This NGSS aligned course emphasizes the study of matter through inquiry. Through the use of laboratory investigations, students will

	explore their world at the atomic level. Using data, evidence, and scientific modelling, students achieve a deeper understanding of changes in matter. Topics of study will include structures and properties of matter, weather and climate, chemical reactions, conservation of mass/energy, and relationships between Earth and human activity. Prerequisite:Algebra 1 Corequisite:Geometry A/B Grade Level:10 - 11 - 12 Additional Course Information ● Satisfies the Physical Science credit graduation requirement
Honors Chemistry (DP) double period (DP) half year	1.0 credit per semester Same course as described above but students complete the course at an accelerated pace in 1 semester rather than 1 year. Open to rising 10th grade students who took honors physics in grade 9. Concurrent enrollment in double period honors biology required. Prerequisite:Algebra 1 Corequisite:Geometry A/B Grade Level: 10 Additional Course Information ● Satisfies the Physical Science credit graduation requirement
Chemistry	Chemistry A/B 0.5 credit per semester This NGSS aligned course emphasizes the study of matter through inquiry. Through the use of laboratory investigations, students will explore their world at the atomic level. Using data, evidence, and scientific modelling, students achieve a deeper understanding of changes in matter. Topics of study will include structures and properties of matter, weather and climate, chemical reactions, conservation of mass/energy, and relationships between Earth and human activity.

	Prerequisite: Algebra 1 Corequisite: Geometry A/B Grade Level: 10 - 11 - 12 Additional Course Information: ● Satisfies the Physical Science credit graduation requirement
AP Chemistry double period (DP) full year	Chemistry, Advanced Placement A/B (Double period) 1.0 credit per semester AP Chemistry is for highly motivated students with interests in science, technology, medicine, and engineering. This course promotes enduring, conceptual understandings through inquiry-based learning, scientific reasoning, and engaging in science practices. Students are prepared to take the AP Chemistry examination at the end of the course. Topics of study will include properties and changes of matter, reaction kinetics, thermodynamics, and intermolecular interactions. This course is NGSS aligned. Prerequisite: Algebra 2 Grade Level: 11 - 12 Additional Course Information: ● Satisfies the Physical Science credit graduation requirement
Honors Physics	Physics A/B, Honors 0.5 credit per semester This NGSS aligned course investigates physical laws and theories, relationships of physical phenomena, and the interrelationships of physics to other fields of human endeavor. Topics include traditional physics subjects (Newtonian mechanics: dynamics, momentum, energy; electricity and magnetism; waves) along with related subjects in earth science (plate tectonics; earthquake activity) and astronomy (solar evolution). Grade Level: 10 - 11 - 12 Additional Course Information:

	• Satisfies the Physical Science credit graduation requirement
Honors Physics Grade 9 **(same course code but these sections are reserved for 9th grade students only)**	Physics A/B, Honors 0.5 credit per semester This NGSS aligned course investigates physical laws and theories, relationships of physical phenomena, and the interrelationships of physics to other fields of human endeavor. Topics include traditional physics subjects (Newtonian mechanics: dynamics, momentum, energy; electricity and magnetism; waves) along with related subjects in earth science (plate tectonics; earthquake activity) and astronomy (solar evolution). Corequisite: Honors Geometry A/B, Algebra 2, or higher level math course Grade Level: 9 Additional Course Information: • Satisfies the Physical Science credit graduation requirement
Astronomy with Physics	0.5 credit per semester **SS**tudents explore the planets, interstellar objects, energy, forces of the solar system, cosmology, and the energy and forces of the stars and galaxies of the universe. Students develop an understanding of physics and earth space science concepts through the lens of astronomy and build connections to chemistry and life science. Students learn about the solar system through experiences in the lab and sites beyond the classroom, such as NASA and the Air and Space Museum. Prerequisite: Biology A/B Grade Level: 10-11-12 Additional Course Information: • Satisfies the Physical Science credit graduation requirement

AP Physics C: Mechanics (Mech)	Physics C (Mech), AP A/B 0.5 credit per semester This course is for highly motivated students with interest in the physical sciences. Students use calculus in problem solving and in derivations as they study Newtonian mechanics, electricity and magnetism. Students are prepared to take the AP Physics C Mechanics examination. This course is NGSS assigned. Prerequisite: Precalculus A/B Grade Level: 11 - 12 Additional Course Information: ● Satisfies the Physical Science credit graduation requirement
AP Physics C: Electricity & Magnetism (E&M)	Physics C (Elec Mag), AP A/B 0.5 credit per semester This course is for highly motivated students with interest in the physical sciences. Students use calculus in problem solving and in derivations as they study electricity and magnetism. Topics include electrostatics, current electricity, magnetism, and electrodynamics. Students are prepared to take the AP Physics C Electricity and Magnetism examination. This course is NGSS assigned. Prerequisite: Calculus and AP Physics C: Mechanics Grade Level: 11 - 12 Additional Course Information: ● Satisfies the Physical Science credit graduation requirement
AP Physics 1	PHYSICS 1, AP A/B 0.5 credit per semester This NGSS aligned course is for highly motivated students with an interest in the physical sciences and builds on concepts covered in Physics with greater detail in content and laboratory

	investigations. Students explore Newtonian mechanics, including rotational dynamics and angular momentum; work, energy, and power; and mechanical waves and sound. Electric circuits will be introduced. Prerequisite:Geometry Corequisite:Algebra 2 Grade Level: 11 - 12 Additional Course Information: ● Satisfies the Physical Science credit graduation requirement
Introduction to Agriculture, Food, & Natural Resources (AFNR) **Click here to learn more about the new CTE pathway, CASE**	Introduction to Agriculture, Food, & Natural Resources (AFNR), A/B 0.5 credit per semester *Introduction to Agriculture, Food, and Natural Resources* (AFNR) introduces students to the range of agricultural opportunities and the pathways of study they may pursue. While surveying the opportunities available in agriculture and natural resources, students learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Students investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. Click on the following link to learn more about this exciting new pathway! CASE brochure Grade Level: 9-10-11-12 Additional Course Information ● CTE elective

Social Studies

Planning Diagram Social Studies

Sherwood Social Studies

Students are required to take 3 social studies classes to graduate. The courses are typically taken in grade 9, 10, 11. The courses required are United States History (on-level, Honors, or AP), Government (Honors NSL or AP Government and Politics), and World History (Honors MWH or AP World). This chart illustrates the typical course path for social studies at Sherwood High School.

Ninth Grade	10th Grade	11th Grade	12th Grade
United States History Honors United States History AP Gov & Politics US NSL **Elective Choices for gr. 10 ONLY if AP Gov was completed in grade 9**	Honors NSL Government AP Gov & Politics US NSL United States History Honors United States History AP United States History AP Comparative Government *AP Economics, Macro *AP Economics, Micro **Electives available to all students** *Global Issues *Psychology 1 *Women's Studies ***Indicates 1 semester elective**	Honors Modern World History AP World History **AP - Electives available to all students** *AP Economics, Macro *AP Economics, Micro AP European History AP Human Geography AP Psychology AP United States History AP Comparative Government **Electives available to all students** *Global Issues *Law 1 *Law 2 *Philosophy *Psychology 1 *Sociology 1 *Sociology 2 *Women's Studies ***Indicates 1 semester elective**	**AP - Electives available to all students** *AP Economics, Macro *AP Economics, Micro AP European History AP Human Geography AP Psychology AP United States History AP Comparative Government **Electives available to all students** *Global Issues *Law 1 *Law 2 *Philosophy *Psychology 1 *Sociology 1 *Sociology 2 *Women's Studies ***Indicates 1 semester elective**

Social Studies Course Descriptions

Required Social Studies Courses

3 Social Studies Credits are required for graduation

History, United States A/B

0.5 credit per semester

This course is a continuation of eighth grade U.S. history. Students learn key concepts and events through reading, writing, document analysis, and historical thinking. In the first semester, students learn the effects of migration, immigration, and industrialization; the impact of United States involvement in world affairs through World War I; and major developments of the 1920s and 1930s. In the second semester, students learn the impact of World War II; the origins and effects of the Cold War; cultural changes in post-war America including the expansion of civil rights; and foreign and domestic policies between 1968 and 1991. This course is required for graduation. This course will also have an extra emphasis on skill development and social studies thinking skills.

United States Honors A/B

0.5 credit per semester

This course is a continuation of eighth grade U.S. history. Students learn key concepts and events through reading, writing, document analysis, and historical thinking. In the first semester, students learn the effects of migration, immigration, and industrialization; the impact of United States involvement in world affairs through World War I; and major developments of the 1920s and 1930s. In the second semester, students learn the impact of World War II; the origins and effects of the Cold War; cultural changes in post-war America including the expansion of civil rights; and foreign and domestic policies between 1968 and 1991.

History, United States, Advanced Placement A/B

0.5 credit per semester

This course is for students desiring a freshman college-level course in United States history. The course is a survey of this nationâ€™s history from 1607 to the present, using a college-level text and requiring college-level writing and discussion. AP U.S. History A/B satisfies the graduation requirement of a year in U.S. History.

National, State, and Local (NSL) Honors A/B

0.5 credit per semester

Students will utilize inquiry and literacy skills to develop a deep understanding of the foundation and structures of the U.S. government, evaluate the importance of citizen participation, and analyze the impact of principles, laws, people, and organizations on domestic, foreign, and economic policies that affect our daily lives. Throughout the course, students study contemporary public policy issues while deepening their ability to analyze and evaluate sources and respond to document based questions. This course satisfies the NSL Government graduation requirement. SSL hours: first semester, 7; second semester, 8

Government, United States Government and Politics, Advanced Placement

0.5 credit per semester

This college-level course is a survey of the structure and function of American government and politics that begins with an analysis of the Constitution, the foundation of the American political system. Students study the three branches of government, administrative agencies that support each branch, the role of political

behavior in the democratic process, and the workings of political parties and interest groups.

History, Modern World Honors A/B

0.5 credit per semester

Throughout the course students examine past world history and draw connections to similar concepts and forces at work today. Students will build an understanding of the complexity of our global relationships. Concept-based instruction, a comparative case study approach, and historical thinking skills are used to frame world history from the 15th century to today.

History, World, Advanced Placement A/B

0.5 credit per semester

This college-level course helps students develop greater understanding of world history and human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The chronological time frame is from 8000 BCE to the present. AP World History A/B satisfies the graduation requirement of a year in Modern World History

Sherwood High School Social Studies Electives Course Guide

AP Electives: *Advanced Placement electives are rigorous courses equivalent to a college level class.*

AP Human Geography: This college-level course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

AP Comparative Government: This college-level course is both a survey of the various forms of government found throughout the world and an in-depth study of specific governments and approaches to politics. Students compare the structure of governmental institutions in different countries and learn how each structure affects society in general and individuals in particular. The concept of political change and the different methods to effect such change are a focus in the course.

AP Economics:

Microeconomics (Sem A): This course is for advanced students interested in college-level work in economics and/or gaining advanced standing in college. The course begins with a study of fundamental economic concepts such as scarcity, opportunity costs, production possibilities, specialization, and comparative advantage. Major topics include the nature of functions of product markets; factor markets; and efficiency, equity, and the role of government.

Macroeconomics (Sem B): This course is for students interested in college-level work in economics. Study begins with fundamental economic concepts such as scarcity, opportunity costs, production possibilities, specialization, comparative advantage, demand, supply, and price determination. Major topics include measurement of economic performance, national income and price determination, and international economics and growth.

AP European History: This college-level course is a survey in European history from the 15th century to the present. A college-level text is used, and students engage in college-level writing and discussion. This course prepares students for the AP European History examination.

AP Psychology: This college-level course prepares students for the AP exam. Students scientifically study behavior and investigate the psychological domains—methods of

research, biopsychology, cognitive processes, lifespan development, and sociocultural dimensions of behavior. Semester B extends student investigation of the psychological domains and includes thinking and language; states of consciousness; individual differences; personality and assessment; and psychological disorders and their treatment.

One Semester Electives: *Provide an overview of a subject by combining diverse learning experiences with interesting and motivating content.*

Global Issues in the 21st Century: Note: Available to 10th grade Students use media resources that relate to intercultural and international topics to learn about the diversity, complexity and interdependence of the world community. This pro vides the necessary background to analyze the political, economic, social and cultural aspects of current world problems and issues in relation to the policies of the American government. The course helps students make connections to our global society.

Psychology: Note: Available to 10th grade & offers a preview to AP Psychology Students is introduced to the scientific study of behavior and mental process in Psychology 1. While learning how to apply psychological principles to daily life, students investigate the role of scientific inquiry into the major domains of psychology, including Methods of Research, Biopsychology, Cognitive Processes, Lifespan Development, and Sociocultural Dimensions of Behavior.

Women's Studies: Note: Available to 10th grade In this course, students will utilize inquiry and literacy skills to evaluate the role of gender in history and in modern issues and debates. Students will examine through various texts the lives of women and the impact women as individuals and as a gender have had on the United States and the world.

Philosophy: This course acquaints students with the discipline and history of philosophy. Major philosophers and their works are studied with focus on such issues as the nature of the universe; the basic moral and intellectual superstructure of society; good and evil; free will and determinism; and the relationship of a person to other individuals and to the state. Current trends in philosophy are studied as well.

Law 1 & 2 Note: There is no pre-requisite for Law 2.

> **Law 1:** This course is designed to help students understand the processes by which American society seeks justice and order through law, and ways in which people can participate in those processes. Students examine history and philosophy of law, how the law works and can be made to work in actual situations, and major substantive areas of law such as torts, property, criminal and juvenile law.
> **Law 2:** Law 2 is designed to provide a comprehensive overview of the history, philosophy and the organization of our legal system with special emphasis on the interpretive role of the courts. The units include constitutional law, law and the American family and consumer law. Students apply legal precedents to real and hypothetical situations. Opportunities are provided to observe the legal process in action, explore law-related careers and participate in mock trials.

Sociology 1 & 2 Note: There is no pre-requisite for Sociology 2.

Sociology 1: Sociology 1 is concerned with human groups and factors that unite or divide them, including culture, values, social groups, social stratification, population, the family, socialization, propaganda, and social institutions. Focus is on the impact of change on mores, norms, and customs.
Sociology 2: In Sociology 2, emphasis is placed on the application of the basic concepts of social change to American institutions, particularly education and the family. Research papers focus on community or on-site research.

Course Descriptions and hyperlinks

World Languages Level 1

Students begin to learn to communicate orally and in writing in a culturally appropriate manner about topics related to daily life. They interpret basic information when listening and reading. Vocabulary and basic grammatical structures are taught within the context of these familiar topics. Culture is embedded throughout the course.

French 1 A/B

Spanish 1 A/B

Italian 1 A/B

World Languages Level 2

Students expand their ability to communicate orally and in writing in a culturally appropriate manner about topics related to daily life. They interpret information when listening and reading. Vocabulary and grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

French 2 A/B

Spanish 2 A/B

Italian 2 A/B

World Languages Level 3

Students continue to expand their ability to communicate orally and in writing in a culturally appropriate manner about a variety of familiar topics. They interpret detailed information when listening and reading. Vocabulary and more complex grammatical structures are taught within the context of these topics. Culture is embedded throughout the course.

French 3, Honors A/B

Spanish 3, Honors A/B

Italian 3, Honors A/B

World Languages Level 4

Students communicate orally and in writing with increased proficiency in a culturally appropriate manner about a range of topics. They interpret detailed and extended information when listening and reading. Vocabulary and complex linguistic structures are taught within the context of these topics. Culture is embedded throughout the course.

French 4, Honors A/B

Spanish 4, Honors A/B

Italian 4, Honors A/B

World Languages Level 5

Students continue to increase their proficiency in communicating orally and in writing in a culturally appropriate manner about a broad range of topics. They interpret complex information when listening and reading. Vocabulary and a variety of complex linguistic structures are taught within the context of these topics. Culture is embedded throughout this honors level course.

French 5 A/B (Honors)

Spanish 5 A/B (Honors)

Italian 5 A/B (Honors)

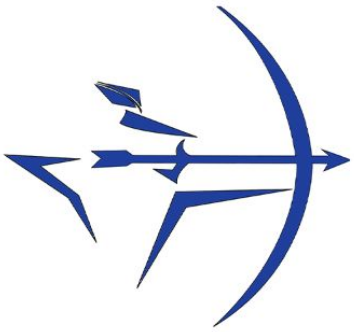
Advanced Placement World Languages

These courses are for world languages students interested in college-level work. The courses link language and culture while developing students' proficiency in speaking, listening, reading, and writing. Students read, discuss, and react to a variety of texts orally and in writing in preparation for the Advanced Placement Examination.

French Language and Culture, Advanced Placement A/B

Spanish Language, Advanced Placement A/B

Spanish Literature, Advanced Placement A/B



Physical Education

Physical Education Course Descriptions

Students must take one credit (2 semesters) of Physical Education to graduate. 9th grade students are expected to take PE (unless required Completer Program courses do not allow for it). We recommend that students take a PE class each semester during their 4 years of high school. Students take 1 semester of Health in 10th grade. All PE courses listed below are one semester each (1/2 credit).

9th grade students taking PE should take two semesters of Team Sports OR one semester of Team Sports and one semester of another Specialty PE course (see below).

Team Sports Grade 9. This is an introduction to the high school physical education program. This course includes 6 units with instruction in different team/dual sports such as flag football, soccer, badminton, basketball, volleyball, floor hockey, lacrosse, track & field, and/or team handball. Emphasis is placed on beginner and intermediate skill activities. Students will participate in extensive/rigorous class drills, warm-ups, fitness activities, and tournaments.

Specialty PE Courses:

Volleyball Grades 9-12. This class includes instruction in the basic individual Volleyball skills, offensive strategies, and defensive strategies. Students participate in class drills, warm-ups, and tournaments (6v6, 5v5, Quads, Triples and Doubles).

***Advanced Volleyball** Grades 10-12. This class is for students who have completed the regular Volleyball course or with instructor approval only. Students will receive instruction in

advanced skills and drills, multiple offenses/defenses. Strategies, jump serves, and Liberos will be included. Students will participate in extensive/rigorous class drills, tournaments. Tournaments include 6v6, 5v5, Quads, and Triples.

Basketball Grades 9-12. This course includes instruction in basic individual Basketball skills, offensive strategies, and defensive strategies. Students will participate in class drills, warm-ups, and tournament's (5v5, Quads, Triples and Doubles).

***Advanced Basketball** Grades 10-12. This class is for students who have completed the regular Basketball course or with instructor approval only. Students will receive instruction in advanced/upper level skills and drills, multiple offenses, defenses and strategies. Students will participate in extensive/rigorous class drills, warm-ups, and tournaments. Tournaments will include 5v5, 4v4, 3v3, 2v2, and 4on4on4.

Soccer Grades 9-12. This course includes instruction in basic individual Soccer skills, offensive strategies, and defensive strategies. Students will participate in class drills, warm-ups, and tournaments. Instruction will take place in both indoor and outdoor play.

***Advanced Soccer** Grades 10-12. This class is for students who have completed the regular Soccer course or with instructor approval only. This course includes instruction in advanced individual Soccer skills, offensive strategies, and defensive strategies, as well as continued development of fitness activities. Students will participate in extensive/rigorous class drills, warm-ups, and tournaments Instruction will take place in both indoor and outdoor play.

Net Sports Grades 9-12. This course includes instruction in multiple net sport games, such as Volleyball, Badminton, Tennis, Pickleball, and Table Tennis. Greater emphasis is placed on intermediate and advanced skill techniques. Students will participate in extensive/rigorous class drills and tournaments.

Strength Training Grades 9-12. This course includes instruction in Strength Training principles, kinesiology, and physiology of exercise. Students will develop and initiate an individual strength and cardiovascular program. This program will be based on latest scientific theory strength training principles.

Baseball/Softball Grades 9-12. This course is for students who are going to be on the SHS Varsity or JV Baseball/Softball teams. Instruction will focus on sport specific Strength Training principles, agilities, drills, and activities as well as kinesiology and physiology of exercise. Students will participate in a team structured strength and cardiovascular program. This program will be based on latest scientific theory strength training principles. Please see/email Coach Davis or Coach Barber for class approval.

Yoga/Stretching Grades 9-12. Students will learn and participate in an instructor led Yoga course that will improve their overall flexibility, core strength and improve the student's fitness level. In addition, light Pilates and relaxation techniques will be included in the course. This course will take place in the yoga studio.

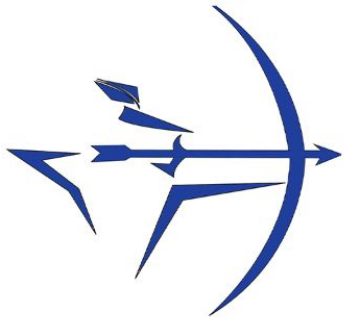
Fitness Grades 9-12. Students will develop and participate in various Fitness activities in class. Examples of these activities are balance balls, Pilates, plyometrics, circuits/stations and stretching. Students will work alternate days on muscle toning activities such as circuit training, dyna-bands, and weight training. Students will also have the opportunity to develop a personal fitness plan and goal setting.

Floor/Street Hockey Grades 9-12. This course is mostly Street Hockey (outside), some Floor Hockey (inside), and some Lacrosse. This course includes instruction in basic individual hockey and lacrosse skills, offensive strategies, and defensive strategies. Students will participate in class drills, warm ups and tournaments.

***Advanced Courses require completion of on-level course first or with instructor approval.**

Health

Honors Health Education (HPE2033) Grade 10. This ½ credit course is required to graduate (on top of a full PE credit) and is recommended to take during the student's sophomore year. This course provides students with the knowledge and skills necessary to help them make healthful decisions—both now and in the future. Through the implementation of an effective, comprehensive health education instructional program, students will develop the life skills needed to enhance their potential for achieving academic success and attaining healthier, happier, and more productive lives. Students learn factual health information in the following content areas: mental and emotional health; substance abuse prevention; personal and consumer health; family life and human sexuality; safety and violence prevention; healthy eating; and disease prevention and control. Students develop lifelong health skills such as analyzing influences; accessing information, interpersonal communication skills, decision making, goal setting, self-management; and advocacy for personal, consumer, and family health throughout the course. Developing knowledge of accurate health information is essential. Practicing health-related skills in real-life situations and developing healthful behaviors are the ultimate goals of the program.



Career & Technology

Career & Technology
Course Description & Sequence

Sherwood High School Programs of Study

Programs of Study are designed to introduce students to different college majors and careers while in high school. Benefits to completing a program of study include: college credit, industry certification, building a relationship with a staff member in school who could potentially write a recommendation, and more.

SPECIAL NOTE: If you complete a program of study then you do not need to take a world language. Course Pathways highlighted in yellow are HIGHLY SUGGESTED to begin 9th grade year.

Academy of Health Professions

Ms. Deborah Parsley

1. Foundations of Medicine and Health Science 9th - 10th grade
2. Honors Structures and Functions of the Human Body 10th - 11th grade
3. Honors Medical Science with Clinical Applications 11th - 12th grade, 2 credits
4. Internship optional – MUST complete steps 1-3 by junior year

Adv. Engineering Project Lead the Way

Mr. Brendan Lees

1. Introduction to Engineering Design 9th grade
2. Honors Principles of Engineering 10th grade
3. Honors Digital Electronics 10th - 11th grade
4. Honors Civil Engineering and Architecture OR Honors Aerospace Engineering 11th - 12th grade
5. Honors Engineering Design and Development 12th grade

Business Management **Ms. Maisie Lynch** 1. Entrepreneurship 9th-12th grade 2. Accounting 9th-12th grade 3. Advanced Entrepreneurship 11th grade-12th grade 4. AP Economics Micro/Macro OR Internship OR Dual Enrollment	**Center for Agricultural Science Education (CASE) The Natural Resources Program** **Mr. Glenn Miller** 1. Introduction to Agriculture, Food, and Natural Resources 9th grade 2. Natural Resources and Ecology 10th grade 3. Environmental Science Issues 11th grade 4. Agricultural Research and Development 12th grade
College and Career Research and Development / Explore your future **Ms. Maisie Lynch** 1. College/Career Research & Development 10th and 11th grade 2. College & Career Seminar 12th grade 3. Site Based Work Experience 12th grade, Off Campus	**Early Child Development / Teaching** **Ms. Nicole Schneider** 1. Child Development 1 9th - 11th grade 2. Advanced Level Child Development 2 honors 10th - 12th grade 3. Advanced Level Guided Research in Education 11th - 12th grade 4. Advanced Level Internship 12th grade
Hospitality Management / Cooking **Ms. Lisa Gilbert** 1. International Cultures and Cuisines 9th - 12th grade 2. Culinary Essentials 10th - 12th grade 3. Internship - 2 credits 12th grade	*Some programs have variations in sequences so contact the program coordinators to find out how you can fit these into your schedule.* ***Please reach out to us, we are here to help!***

Career and Technology Education Courses that are not part of a Program of Study	
Computer Science Courses and Pathway **Mr. Swikrit Manandhar** 1. Foundations of Computer Science 9th - 12th grade 2. AP Computer Science Principles 10th - 12th grade	**Internship Program** **Ms. Catina Wist** Generally taken senior year.

3. AP Computer Java 10th - 12th grade	

Program Coordinator Contact Information

Program	Teacher	Email
Academy of Health Professions	Ms. Deborah Parsley	Deborah_L_Parsley@mcpsmd.org
Adv. Engineering Project Lead the Way	Mr. Brendan Lees	Brendan_R_Lees@mcpsmd.org
Business Management	Ms. Maisie Lynch	Margaret_E_Lynch@mcpsmd.org
Center for Agricultural Science Education (CASE) The Natural Resources Program	Mr. Glenn Miller	Glenn_J_Miller@mcpsmd.org
College and Career Research and Development	Ms. Maisie Lynch	Margaret_E_Lynch@mcpsmd.org
Computer Science	Mr. Swikrit Manandhar	Swikrit_Manandhar@mcpsmd.org
Early Child Development	Ms. Nicole Schneider	Nicole_A_Berry@mcpsmd.org
Hospitality Management / Cooking	Ms. Lisa Gilbert	Lisa_M_Gilbert@mcpsmd.org

Internship Program	Ms. Catina Wist	Catina_S_Wist@mcpsmd.org

Career and Technology Education (CTE) Course Descriptions

Academy of Health Professions	
Foundations of Medicine and Health Science 9th - 10th grade	This course is designed to provide students with an overview of the therapeutic, diagnostic, environmental, and information systems of the health-care industry. The course includes medical terminology, medical ethics and documentation, health-care delivery systems and agencies, and an introduction to human body systems. Related mathematical concepts are embedded in the curriculum where appropriate.
Honors Structures and Functions of the Human Body 10th - 11th grade	Prerequisites: Foundations of Medicine and Health Science A/B Students study the structure and functions of the human body by investigating the body's responses to the external environment, maintenance of homeostasis, electrical interactions, transport systems, and energy processes. Students will conduct laboratory investigations and fieldwork, use scientific methods during investigations to solve problems, and make informed decisions. Upon completion of this course, students will be eligible to take a medical terminology exam for college credit.
Certified Nursing Assistant with Clinical Applications 11th - 12th grade 2 credits	Prerequisite: Foundations of Medicine and Health Science A/B, Structures and Functions of the Human Body A/B and a grade of B or better in Biology A/B Corequisite: Must be co-enrolled in appropriate math and Chemistry A/B This course enables students to explore careers in the healthcare industry and gain skills related to patient care practiced in hospitals and long-term-care facilities. Students receive cardiopulmonary resuscitation (CPR) training and may be eligible for certification as a certified nursing assistant.
Allied Health Internship A/B 12th grade	ALLIED HEALTH INTERNSHIP A/B Prerequisite: 4044/4045 Foundations of Medicine and Health Science A/B, 4042/4043 Structures and Functions of the Human Body A/B The Allied Health Internship Course is designed to give students supervised practical application of previously studied theory in a professional healthcare setting such as a hospital or a physician's office. This internship course includes work-based learning experiences and school-based instructional requirements, including seminars, portfolio development, and research.

Advanced Engineering Project Lead the Way	
Introduction to Engineering Design 9th grade	Corequisite: Algebra 1 or higher Tech Ed credit This introductory course develops students' problem-solving skills, with emphasis on visualization and communication skills, using a computer and a 3-D solid modeling software. This course emphasizes the development of a design using computer software to produce, analyze, and evaluate models of projects and solutions. Students will study the design concepts of form and function and then use state-of-the-art technology to translate conceptual design into reproducible products.
Honors Principles of Engineering 9th grade - 12th grade	Prerequisites: Algebra 1 and Introduction to Engineering Design B Corequisite: Geometry or higher This is a broad-based survey course to help students understand engineering and engineering technology and identify career possibilities. This course provides an overview of engineering and engineering technology. Students develop problem solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change.
Honors Digital Electronics 10th - 12th grade	Prerequisite: Principles of Engineering and Introduction to Engineering Corequisite: College prep math course This course introduces students to applied digital logic, a key element of careers in engineering and engineering technology. Students explore the smart circuits found in watches, calculators, video games, and computers. Students use industry-standard computer software to test and analyze digital circuitry. They design circuits to solve problems and use appropriate components to build their designs. Students use mathematics and science in solving real-world engineering problems.
Honors Civil Engineering and Architecture 11th-12th grade	Prerequisite: Introduction to Engineering, Principles of Engineering Corequisite: College prep math course and Digital Electronics A/B This course provides an overview of the fields of civil engineering and architecture, emphasizing the interrelationship and interdependence of both fields. Students use state-of-the-art software to solve real-world problems and communicate solutions.

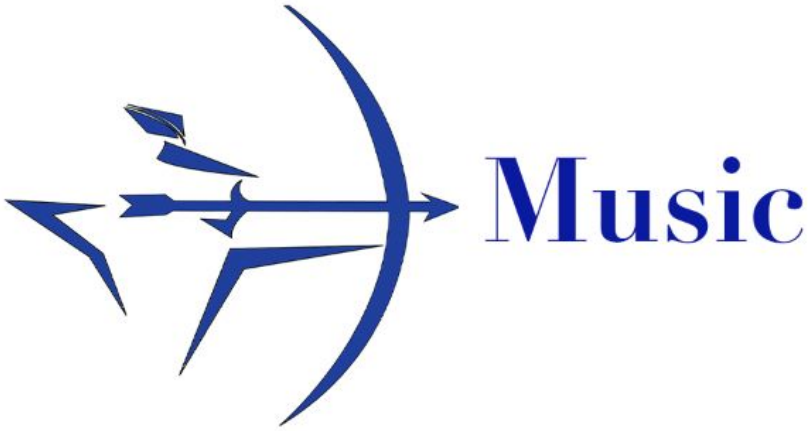
	Students learn about the roles of civil engineers and architects, project planning, site planning, building and engineering design, and project documentation and presentation.
Honors Aerospace Engineering 11th - 12th grade	Prerequisite: Introduction to Engineering, Principles of Engineering Corequisite: College prep math course and Digital Electronics A/B The fields of aeronautics and aerospace engineering are the focus of this engaging course that includes topics of study, such as aerospace information systems, astronautics, rocketry, propulsion, the biology and physics of space science, principles of aeronautics, structures and materials, and systems engineering. Students continue using the national Project Lead The Way (PLTW) model to develop solutions to aerospace problems through the application of engineering, mathematics, and science related knowledge.
Honors Engineering Design and Development 12th grade	Prerequisite: All courses in the PLTW sequence of courses leading up to this capstone course Corequisite: College prep math course This is the capstone course for the Project Lead The Way (PLTW) advanced engineering program. At the end of the course, teams present their research papers and defend their projects to a panel of engineers, business leaders, and engineering college educators for a professional review and feedback. This course equips students with the independent study skills that they will need in postsecondary education and careers in engineering and engineering technology.
Business Management	
Entrepreneurship and Business Management 9th-12th grade	Whether students' dreams involve working at a fast-moving entrepreneurial organization or running an existing company, in this foundational course they learn the skills they need to understand business principles. Student entrepreneurs work in teams to investigate topics such as business opportunities, feasibility studies, development of a business plan, financing alternatives, marketing, and legal forms of organization.
Accounting (9th-12th grade)	This course provides students with the knowledge necessary to manage and maintain a company's financial resources in daily operating decisions. Students will learn to apply generally accepted accounting principles to determine the value of assets, liabilities, and owner's equity as they apply to various forms of manual and computerized systems for service and merchandising business. Students will apply appropriate accounting principles to payroll and tax liabilities. Students will use Microsoft Excel to apply the accounting knowledge and skills to analyze, evaluate, and understand the accounting principles. Students will identify positions and career paths in the field of accounting and will examine the role of ethics and

	social responsibility in decision making.
Advanced Business Management (11th grade-12th grade)	Prerequisite: Entrepreneurship and Business Management 1. Accounting. This course provides students with the knowledge that will prepare them for post-highschool levels of education and entry-level positions in the workforce. Focus will be on the role of business in society; the changing nature of contemporary business practices; major management concepts, theories, and theorists; the processes of management (functional, operational, human relations); business law and ethics; and business communications. Career pathways will be examined and the use of business management knowledge in a variety of career clusters is also explored. Students will understand the business world and be more prepared to meet their career goals and objectives.
Internship, Business Management and Finance	Prerequisite: At least 3 credits in a Business Management program of study Students apply knowledge and skill sets acquired in their program of study to an authentic internship. Collaborating with professionals and mentors in the related career field, students participate in program-specific learning, leadership seminars, networking opportunities, and relevant workplace experiences.
Center for Agricultural Science Education (CASE) The Natural Resources Program	
Introduction to Agriculture, Food, and Natural Resources (9th grade)	See Science Department course descriptions
Natural Resources and Ecology (10th grade)	See Science Department course descriptions
Environmental Science Issues (11th grade)	See Science Department course descriptions
Agricultural Research and Development (12th grade)	See Science Department course descriptions
College and Career Research and Development Program	
College/Career	Students research current career information for successful career planning

Research & Development 10th and 11th grade	and management. Students develop self-awareness, career awareness, financial literacy, communication and indispensable work-related knowledge and skill sets. A variety of career and interest assessments, as well as portfolio development, demonstrating workplace and academic readiness, prepare students for college and careers.
College & Career Seminar 12th grade	Students learn how to effectively manage career and educational choices through incorporating employment, education, and training goals. They build financial literacy skills and Maryland's Skills for Success competencies. Students complete a career portfolio that demonstrates proficiencies in workplace readiness, personal financial management, personal growth and development, and employment experiences.
Site Based Work Experience 12th grade, Off Campus	Prerequisite: College/Career Research and Development A/B (8092/8093) Corequisite: Concurrent enrollment in College/Career Seminar class is required. Students must successfully complete the seminar class to receive site-based credit. Students participate in a site-based experience in conjunction with the career seminar class. Students work directly with industry professionals in a career of interest, while refining career goals and postsecondary plans. Student work sites must be approved and supervised by the teacher. Site-based learning must take place during school hours to allow for required work-site supervision by the teacher. To earn credit for DP, students are required to have a minimum of 135 hours of work experience per semester.
Early Child Development / Teaching	
Child Development 9th - 11th grade	Prerequisite: The A semester is required before the B semester. In this introductory course, students become part of an education team that has direct interaction with 4-year-olds in a lab school setting. Students interested in education, pediatric medicine, physical therapy, family law, psychology, and sociology enroll in this course in preparation for college and career experiences. After a rigorous training period, students become part of a team of teachers responsible for the day-to-day workings of a lab school.
Advanced Level Child Development 2 - honors 10th - 12th grade	Prerequisite: Child and Adolescent Development 1 A/B Students will learn to be reflective practitioners using research-based methods of teaching and working with children. Students will analyze data, interpret and apply educational theories, use technology as a teaching tool, and apply developmentally appropriate teaching practices in classroom and field experiences. They will demonstrate leadership skills in communication, critical-thinking, and problem solving. As they assume increased

	responsibilities for program management, students will develop and implement age-appropriate learning experiences for preschoolers. Upon completion of 4880/4881 and all certification requirements, students will be eligible to apply for the 90 + 9 Clock Hours Certification.
Advanced Level Guided Research in Education (11th - 12th grade)	Prerequisite: At least 2 credits in the Early Child Development program of study. Students apply knowledge and skill sets to a comprehensive field-based experience. Collaborating with mentor teachers and other professionals in educational settings, students participate in program-specific learning, leadership seminars, networking opportunities, and relevant workplace experiences. They analyze the impact that leadership theories; professional ethics; current trends; and parent, community, and government organizations have on contemporary education and the child care industry. Students explore postsecondary education and career options and prepare for the interview process.Students complete a professional portfolio that is aligned with the Interstate New Teacher Assessment and Support Consortium and the MCPS Teacher Performance Standards.
Advanced Level Internship, Education, honors (12th grade)	Prerequisite: At least 2 credits in the Early Child Development POS Students apply knowledge and skill sets to a comprehensive field-based experience. Collaborating with mentor teachers and other professionals in educational settings, students participate in program-specific learning, leadership seminars, networking opportunities, and relevant workplace experiences. They analyze the impact that leadership theories; professional ethics; current trends; and parent, community, and government organizations have on contemporary education and the child care industry. Students explore postsecondary education and career options and prepare for the interview process. Students complete a professional portfolio that is aligned with the Interstate New Teacher Assessment and Support Consortium and the MCPS Teacher Performance Standards.
Hospitality Management	
International Cultures and Cuisines 9th - 12th grade	Prerequisite: Must take semester A before B. International Cultures and Cuisines examines the emphasis on food as it relates to the culture of other countries or cultural groups in the United States. Workforce trends, career paths, and postsecondary requirements are examined.
Culinary Essentials 10th - 12th grade	Prerequisite: ICC A and B; must take CE semester A before B Students refine their culinary and food-service skills in a laboratory setting and build

	important skills for postsecondary education and careers. Attention is given to all aspects of careers in the hospitality industr.
Internship - 2 credits 12th grade	Students apply knowledge and skill sets acquired in their programs of study to an authentic internship. Collaborating with professionals and mentors in the related career field, students participate in program-specific learning, leadership seminars, networking opportunities, and relevant workplace experiences. This course code can be repeated to fulfill the 2.0 credit minimum requirement.
Computer Science	
Foundations of Computer Science 9th - 12th grade Tech Ed credit	The course provides an engaging introduction to computing concepts through a nationally developed curriculum, offered through a unique partnership with Code.org. The course focuses on the conceptual ideas of computing so that students understand why tools and languages are used to solve problems through a study of human computer interaction, problem solving, web design, programming, data analysis, and robotics.
AP Computer Science Principles 10th - 12th grade Tech Ed credit	This course, offered in partnership with Code.org, advances student understanding of the central ideas of computer science, engaging students in activities that show how computing changes the world. Through a focus on creativity, students explore technology as a means for solving computational problems, examining computer science's relevance to and impact on the world today.
AP Computer Java 10th - 12th grade	Prerequisite: Computer Programming 1 A/B or AP Computer Science Principles A/B Using the Java language, students explore in-depth work with text files and arrays, abstract data types, recursion, searching and sorting algorithms, and program efficiency. Examination of specified class behaviors, interrelated objects, and object hierarchies are studied. Students may elect to take the A version of the AP Computer Science exam after completing this course.
Internship	
Single, double, and triple period Internship	Contact Ms. Catina Wist for information on the requirements and procedures. Contact her prior to registration.



Music Course Descriptions

Video

Choral Music

**All Choir/Chorus Classes: Students will develop the fundamentals of healthy singing, with strong breath support, clear and resonant tone, emotional expression, and accurate rhythms, pitches, and diction. We will learn to sing from written notation (sight-singing) as well as by ear. All students will have FUN making music together, while building a strong professional work ethic. We'll develop productive individual practice techniques, learning the skills needed to be a successful musician. Please note that it is possible to take a choir class for multiple years, and get credit every year!

Chorus 1 also known as "Treble Choir," should be the first ensemble for most students** who have not yet taken choir at SHS. Chorus 1 will explore a number of music genres and traditions, including world music, classical, pop, showtunes, jazz, and more. Chorus 1 students will have the opportunity to audition into one of our three specialized vocal ensembles, or they may choose to continue with another year of Treble Choir, by registering for Chorus 2.

**Note - First-time singers with lower voices (usually male) can schedule an audition by contacting Mr. Maddox, in order to be placed into one of the mixed-voice ensembles. In the meantime, please register for Chorus 1 as a place-holder.

Chorus 2 is the course designation for students who have completed Chorus 1 and wish to continue in Treble Choir. Chorus 1 and 2 are taught as a single class/ensemble. Chorus 2 students will continue to enjoy the diverse repertoire of music offered in Treble Choir, and may be offered peer-leadership opportunities.

Chorus 3 , also known as “Jazz Choir,” is a mixed-voice, audition-only ensemble, which specializes in American Jazz standards, Swing, Latin and Afro-Cuban Jazz, as well as college-style a cappella arrangements of pop music. Jazz Choir often collaborates with Mr. Silverbook’s instrumental Jazz Ensemble, and the two groups sometimes travel to New York City together.

Show Choir is a mixed-voice, audition-only ensemble, specializing in show tunes, motown, classic rock, disco, and contemporary pop genres. Performances are often accompanied by a student band, and the songs are fully choreographed. Movement, dancing, and the visual aspects of singing are integral to the class. Show Choir is a popular choice for theater-lovers, as well as students aspiring to dance on stage in Rock ‘n’ Roll Revival.

Chamber Choir , or “Chamber Singers,” is a mixed-voice, audition-only ensemble, which focuses on world music, classical genres, traditional choral works, and challenging a cappella arrangements. Students in Chamber Singers perform college-level repertoire, and sing lyrics in just about any language. The Chamber Singers have a tradition of touring internationally, and have recently traveled to Italy, Canada, Austria, and the Czech Republic.

General Music

AP Music Theory : Students should consult with a music teacher before enrolling, and should be able to easily identify notes on at least one clef (treble, bass, or alto clef), prior to the start of the semester. AP Music Theory students will become fluent in the fundamental building blocks that make up every bit of music that has been written, performed, or recorded since the dawn of (Western) civilization: written notation, rhythm, meter, scales, tonality, intervals, chords, melody, harmony, texture, and form! Through the lens of music theory, we will explore and analyze a vast array of music,

from different eras, styles, countries, and instrumentations. Students will develop ear training skills on a daily basis, and compose original melodies, harmonies, and complete pieces of music. We'll utilize modern technology to enrich our understanding and enhance our academic experience. This course mirrors a college music major's first year of music theory, and prepares students to pass the AP Music Theory exam in the spring.

Guitar A is open to all students, regardless of experience level. Students do not need to own a guitar at home, as a classroom instrument will be provided for in-class practice. Students will learn, practice, and master a wide array of skills needed to play the guitar: picking, strumming, melodies, chords, scales, and reading TAB notation. We'll practice proper hand position and technique, and explore myriad genres and styles of music that employ acoustic and electric guitars. Our goal is to have FUN making music, while building a strong professional work ethic. We'll develop effective individual practice techniques, cultivate the ability to perform in small or large ensembles, and even compose original music.

HS Guitar 2 is the course code for students who wish to continue studying guitar after completing the first year of Guitar. Students in HS Guitar 2 will continue to develop their skills on the instrument, and study advanced techniques, including finger-picking, barre chords, jazz and funk chord voicings, and more. After HS Guitar 2, students can continue with **HS Guitar 3**, and then **HS Guitar 4**. Some advanced guitar students choose to audition into the instrumental Jazz Ensemble, to study jazz, Latin, and funk music, in a "big band" setting.

Piano 1 is open to all students, regardless of experience level. Students do not need to own a piano or keyboard at home, as a classroom instrument will be provided for in-class practice. Students will learn, practice, and master a wide array of skills needed to play the piano: scales, triads, melodies, reading musical notation, proper hand technique, and more. We will explore the myriad genres and styles of music that employ the use of piano/keyboard. Our goal is to have FUN making music, while building a strong professional work ethic. We'll develop effective individual practice techniques, compose original music, and learn to rehearse with maximum efficiency.

HS Piano 2, HS Piano 3, and HS Piano 4 are the course codes for students who wish to continue studying piano after completing the Piano 1 curriculum. Students will continue to develop their skills on the instrument, perform advanced repertoire, and enjoy more independent practice time, to focus on the music of their choosing. Some advanced pianists choose to audition into the instrumental Jazz Ensemble, to study jazz, Latin, and funk music, in a "big band" setting.

Music Technology: Over the course of the academic year, students will learn the techniques of electronic sound production and manipulation, and apply them to create their own compositions and projects. Our student composers will use specialized electronic equipment and computer software to synthesize, modify, and record sounds as they explore the world of music composition via a digital medium. To build student capacity in this area, students will be given the opportunity to analyze and/or evaluate examples of electronic music, as well as works featuring the use of electronic music in combination with other arts. Cloud based music software will be used to store and/or share work, serving as a portfolio of sorts to archive their compositions.

Instrumental Music

Concert Band: Concert Band is Sherwood's entry level band for 9th grade students. No audition is Required. Students participating in the Concert Band will be challenged to develop their musicianship through improvement in several concept areas, while having FUN learning a wide variety of musical styles, and making music together. The classroom environment will engage students on a daily basis, and allow for them to discover the uniqueness that they bring to the group as a whole. Students will discover the importance of music to their community through several performances and furthermore, gain a greater appreciation for the special talents they share. Students will work on the development of their skills, working towards reaching their full potential as instrumentalists and musicians.

Symphonic Band: Enrollment in this class is by teacher recommendation and audition only. Students who enroll in this course should have completed one year of Concert Band or have permission from Mr. Silverbook. Students participating in the Symphonic Band will be challenged to develop their musicianship through improvement in several concept areas, while having FUN learning a wide variety of musical styles, and making music together. . The classroom environment will engage students on a daily basis, and allow for them to discover the uniqueness that they bring to the group as a whole. Students will discover the importance of music to their community through several performances and furthermore, gain a greater appreciation for the special talents they share. Students will work on the development of their skills, working towards reaching their full potential as instrumentalists and musicians.

Jazz Ensemble: Enrollment in this class is by teacher recommendation and/or audition only. Students participating in Jazz Ensemble will be challenged to develop their

musicianship through improvement in several concept areas, such as ensemble playing and improvisation. The classroom environment will engage students on a daily basis, and allow for them to discover the uniqueness that they bring to the group as a whole. Students will discover the importance of music to their community through several performances and furthermore, gain a greater appreciation for the special talents they share. Students will work on the development of their skills, working towards reaching their full potential as instrumentalists and musicians.

Symphonic Orchestra: No audition is Required to be in Orchestra. Orchestra is for all string players grades 9 - 12. Students participating in the Orchestra will be challenged to develop their musicianship through improvement in several concept areas, while having FUN learning a wide variety of musical styles, and making music together. The classroom environment will engage students on a daily basis, and allow for them to discover the uniqueness that they bring to the group as a whole. Students will discover the importance of music to their community through several performances and furthermore, gain a greater appreciation for the special talents they share. Students will work on the development of their skills, working towards reaching their full potential as instrumentalists and musicians.

Art Course Descriptions

2021-2022 SHS HIGH SCHOOL VISUAL ART & THEATER PATHWAYS

2D, 3D and digital art as well as photography are a passion for Sherwood's art teachers, Ms. Banda, Ms. Barbera, Ms. Praisner, and Ms. Spangle. Students have the opportunity to develop as artists, create works of art that they will remember forever, and pursue art for four years. Please reach out to any of our wonderful art teachers for more information on courses, course content, and sequences of courses. Experience developing as an artist, showing your art in our yearly art show, displaying your art in school and in the community, and much more. These pathways are offered to Sherwood students to provide a comprehensive visual art curricular program.

ALL level 1 courses are available to incoming 9th grade students. Please see course descriptions for course content & prerequisites.

***All Level 2 through 4 courses are considered Advanced Level. They add an additional point to WGPA calculation.**

LEVEL	2-D Studio	3-D Studio	Digital Art	Photography	Theater
1	2-D Studio Art 1 A/B *9th-12th grade*	Ceramics/Sculpture 1 A/B *9th-12th grade*	Digital Art 1 A/B *9th-12th Grade*	Photography 1 A/B *9th-12th grade*	Theater 1 *9th-12th grade*
2	**Advanced Level* 2-D Studio Art 2 A/B	**Advanced Level* Ceramics/Sculpture 2	**Advanced Level* Digital Art 2 A/B *10th-12th Grade*	**Advanced Level* Photography 2 A/B *10th - 12th grade*	Theater 2 *10th-12th grade*

	10th - 12th grade	A/B *10th - 12th grade*			
3	**Advanced Level* 2-D Studio Art 3 A/B *or* **AP** Studio 2-D A/B *or* **A**P Studio Drawing A/B *11th-12th grade*	**Advanced Level* Ceramics/Sculpture 3 A/B *or* **AP** Studio 3-D A/B *11th-12th grade*	**Advanced Level* Digital Art 3 A/B *or* **AP** Studio 2-D (Art and Design) A/B *11th-12th grade*	Advanced Photography 3 *or* **AP** 2-D Photo (Art and Design) A/B *11th-12th grade*	Advanced Acting/ Play Directing *10th-12th grade*
4	**Advanced Level* 2-D Studio Art 4 A/B *12th grade* **or** **AP** Studio 2-D A/B **or** **AP** Studio Drawing A/B *11th-12th grade*	**AP** Studio 3-D A/B *11th-12th grade*	**AP** Studio 2-D (Art and Design) A/B *11th-12th grade*	**AP** 2-D Photo (Art and Design) A/B *11th-12th grade*	

2-D STUDIO ART COURSES

2-D Studio Art 1
Students will develop observational drawing skills while exploring a variety of media, tools, and techniques. In addition to various drawing media, students will have the opportunity to create works of art using conventional and contemporary two-dimensional studio media (ex. painting, printmaking, collage). Creative problem-solving skills are developed as students discover how to make aesthetic choices in artwork that communicates narrative. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

2-D Studio Art 2
CM FA (AL) Prerequisite: 2-D Studio Art 1 A/B
Course Fee $20 per semester
Students continue building a portfolio of artwork and an art journal. Personal style emerges through the selection of media, subject matter and art forms used to solve visual problems. Reading assignments, group critiques, and visuals are used to help students develop an aesthetic vocabulary and an appreciation for art as an expression of human experience.

2-D Studio Art 3
CM FA (AL) Prerequisite: 2-D Studio Art 2 A/B
Course Fee $20 per semester
Students focus on a medium and art form of their choice, using both assigned and self-selected subject matter. They participate in group critiques and present their work in a portfolio and in a one-person show. They participate in group discussions in which they analyze significant works

of art and periods of art history. Museum field trips and talks with visiting artists may be arranged.

2-D Studio Art 4
CM FA (AL) Prerequisite: Advanced 2-D Studio Art 3 A/B
Course Fee $20 per semester
Students will synthesize and adapt approaches to using media, techniques, and processes to develop a personal style and voice. They will present a personal exhibition and justify curatorial choices that communicate meaning. Students will discover how artists often work in collective studios and develop a collegial environment that thrives on giving and receiving constructive criticism. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

AP Studio 2-D
Course Fee $20 per semester
CM FA (AP) Prerequisite: minimum of 2.0 credits in visual art
This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

AP Studio Drawing
CM FA (AP) Prerequisite: minimum of 2.0 credits in visual art
Course Fee $20 per semester
This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

3-D ART COURSES

Ceramics/Sculpture 1
Course Fee $15 per semester
Students learn basic hand-building techniques and glazing processes. Included are the composition and general characteristics of clay bodies, safe studio practices, craftsmanship, and surveys of significant styles in pottery and ceramic sculpture. Ceramics 1B focuses on sculptural processes using a variety of materials and techniques. Writing and thinking skills are reinforced through journal writing.

Ceramics/Sculpture 2
CM FA (AL) Prerequisite: Ceramics/Sculpture 1 A/B
Course Fee $15 per semester
Students create original artwork inspired by natural and historically significant ceramic forms. Students study the formulation and firing characteristics of basic glazes, introduction for throwing on the pottery wheel, kiln theory, craftsmanship and safe studio practices. Students

apply decoration techniques such as using overglazes, underglazes, and patina methods and learn to stack and monitor the kiln.

Ceramics/Sculpture 3
CM FA (AL) Prerequisite: Ceramics/Sculpture 2 A/B
Course Fee $15 per semester
Students study the works of contemporary potters and sculptors in terms of form, finish, and conceptual statement. Students create a series of forms that reflect a common source or theme. They combine handmade and wheel-thrown clay forms to create pottery or sculpture that reflects personal meaning. Writing and thinking skills are reinforced through journaling. Group critiques are conducted. Health hazards are reviewed.

AP Studio 3-D
CM FA (AP) Prerequisite: minimum of 2.0 credits in visual art
Course Fee $20 per semester
This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

DIGITAL ART COURSES

Digital Art 1
Prerequisite: Digital Art 1A must be taken before 1B
Students use the computer as a tool to create portraits, illustrations, commercial/advertising art, and animations. Students discuss ethical and safety issues in the use of computers as an instructional tool. A variety of techniques, processes, and applications are studied. Guest speakers and experts in the field of digital art introduce and describe careers. Students work to develop criteria for judgment of digital artwork. A portfolio of digital art is produced.

Digital Art 2
CM FA (AL) Prerequisite: Digital Art 1 A/B
Students continue to create original artwork using the computer as the tool. Visual and technical literacy is developed through critical and creative thinking in order to solve artistic problems. This course can be repeated for credit.

Advanced Digital Art 3
CM FA (AL) Prerequisite: Digital Art 2
This course requires students to refine and master digital hardware and software platforms that reflect contemporary practices and industry standards to prepare for college and career. Students will generate creative problems to focus lines of inquiry that result in a portfolio of digital art and design products. This course will provide authentic and meaningful opportunities to develop digital literacy skills in a contemporary age becoming increasingly visual in its communication. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

AP Studio 2-D
Course Fee $20 per semester
CM FA (AP) Prerequisite: minimum of 2.0 credits in visual art
This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

PHOTOGRAPHY

Photography 1
Course Fee $15 per semester
Students will explore the fundamentals of photography (e.g. operating a SLR & DSLR camera, refining images, and printing photographs) that explore both traditional (darkroom) and contemporary (digital) practices. They will explore composition and learn how to make aesthetic choices that communicate narrative in a photograph. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of photographs as text.

Photography 2
CM FA (AL) Prerequisite: Photography 1 A/B
Course Fee $15 per semester
In this course students will experiment with traditional and contemporary forms of photography, compositional structures, concepts, art-making approaches to communicate personal perceptions in original works. A strong focus on portfolio development by refining skills and mastering the digital tools and technology needed to edit and manipulate photographs. In addition, they will analyze how visual imagery influences understanding of and responses to the world. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of artworks as text.

Advanced Photography 3
CM FA (AL) Prerequisite: Photography 2 A/B
Course Fee $15 per semester
This course requires students to refine and master digital and/or darkroom photography tools and techniques that reflect contemporary practices and industry standards to prepare for college and career. Students will generate creative problems to focus lines of inquiry that result in the preparation and presentation of a photography portfolio. This course will provide authentic and meaningful opportunities to develop digital literacy skills in a contemporary age becoming increasingly visual in its communication. Writing, academic language, and critical thinking skills are developed through artist statements, critiques, and the close reading of photographs as text.

AP 2-D Photo
CM FA (AP) Prerequisite: minimum of 2.0 credits in visual art
Course Fee $20 per semester
This individualized program focuses on art projects that demonstrate the competencies expected of AP art applicants, as identified by the College Board. Students assemble portfolios to meet the submission requirements for the AP Exam. This course may be repeated once for credit.

THEATER

Theatre I: This course is a great introduction to Theatre. Learn what Theatre is and the basics of performing through a variety of performances, including improvisation games. Students are also exposed to a variety of theatrical productions, including field trips to area theaters to see live shows. It is a great way to get to know your peers in a whole new way, build confidence, and form lasting friendships.

Theatre II: In Theatre II, the knowledge and skills learned in Theatre I are applied to production and performance. Students study script analysis, character development, performance skills and processes, and beginning technical production skills. Studying the aesthetics and history of the Theatre, reading plays, and attending plays will provide a balanced framework for application of Theatre criticism. Careers in acting and technical theater are also be discussed.

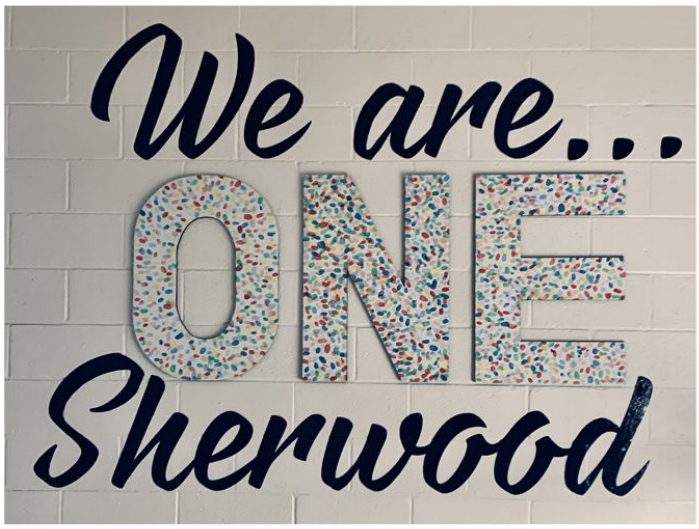
Advanced Acting (1 semester): In this course, the actor takes all of the skills learned in previous courses and sharpens them even further. Students perform in various scenes, monologues and productions using the techniques of some of the great acting theorists and often helping to guide and teach students in lower-level Theatre classes.

Play Directing (1 Semester): Students usually take this class along with Advanced Acting to create a full year of Theatre instruction for advanced students. At this point, the students become the directors and lead their peers in several productions throughout the semester. Students learn how to lead others, communicate effectively, and execute their creative ideas.

Other Courses

Please see your counselor if you are interested in:

Dual Enrollment Courses
Army ROTC
Edison High School Pathways



Sherwood Counselors

https://www2.montgomeryschoolsmd.org/schools/sherwoodhs/counseling/

Contact:

Hours: 7:00am-3:30pm

Office: 301-924-3210

Fax: 301-924-3220

Counseling Team

	COUNSELOR	EMAIL CONTACT	GRADE 9-11	GRADE 12
	Elizabeth Giffen Resource Counselor	Elizabeth_K_Giffen@mcpsmd.org	A - BA	A-BA
	Yun Lung Yang	yunlung_yang@mcpsmd.org	BE - CAP	BE- CAP
	Sue Bray	Susanne_Bray@mcpsmd.org	CAR-FE	CAR-GRI
	Kelly Singleton	Kelly_M_Singleton@mcpsmd.org	FI-I	GRO-KE

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	Kiana Thompson	Kiana_K_Thompson@mcpsmd.org	McH-PIN	MEJ-PRA
	Bill Sartori	William_L_Sartori@mcpsmd.org	PIO-SO	PRE-STA
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