

***SWANTON HIGH SCHOOL***  
***Course Planning Guide***  
***2022 - 2023***



***Grades 9 - 12***  
***ACCENT ON THE FUTURE***

# SWANTON HIGH SCHOOL

## MISSION STATEMENT

The mission of Swanton High School is to educate all students to their highest level of academic performance, to realize their potential as a human being, and to become productive members of a global society.

## EXIT OUTCOMES

By the end of high school our students will demonstrate that they are:

### LIFE-LONG LEARNERS

who value knowledge, technology, enjoy and are motivated to learn, make decisions and solve complex problems in a variety of contexts, appreciate challenges and possess productive habits of mind.

### SELF-DIRECTED LEARNERS

who create a positive vision for themselves and their future, set priorities and achievable goals, create options for themselves, monitor and evaluate their progress and assume responsibility for their actions, who identify, access, integrate and use available information, technology and resources.

### AWARE OF SELF

who have positive self-esteem, exhibit self-confidence, have the courage to take risks and are independent thinkers.

### COMMUNITY CONTRIBUTORS

who contribute their time, energies and talents to improving the welfare of others and the quality of life in their diverse communities, use effective communication, leadership and group skills to develop and manage positive interpersonal relationships within culturally and organizationally diverse settings.

## INTRODUCTION

This brochure of course descriptions has been prepared so that students of Swanton High School and their parents may have an idea of the content of each course and what general topics are stressed by the instructors. In presenting these descriptions, the administration, counseling staff and faculty are hopeful that our students will be able to make better decisions when scheduling classes and planning for the future. The Swanton School District follows and satisfies all State of Ohio requirements in all curriculum offerings.

The Swanton School District does not discriminate on the basis of race, national origin, citizenship status, religion, sex, economic status, age, handicap and other human differences in the educational programs or activities which it operates, nor does it discriminate on the basis of race, national origin, citizenship status, religion, sex, economic status, age, handicap and other human differences in the employment of persons by the school district.

## REQUIREMENTS FOR GRADUATION

Requirements for graduation from Swanton High School shall include the completion of twenty-three (23) units of credit for the Class of 2023 and beyond. Specific requirements for graduation are as follow:

English	5 Units (English 9, 10, 11, 12 & Speech I are required)
Social Studies	4 Units
Mathematics	4 Units
Science	3 Units
Health & P.E.	1 Unit
Fine Art/Foreign Lang.	1 Unit
<u>Electives</u>	<u>5 Units</u>
Total	23 Units

In addition to the course completion requirements, students must also show competency and readiness per the Ohio Department of Education graduation requirements for the Classes of 2023 and beyond.

Students who attend Penta County must complete the specific requirements in their vocational areas. Students must meet all other requirements as set forth by the Board of Education, the Ohio Department of Education, and Penta County. Twenty-one (21) units of credit will be required of Penta students to graduate from Swanton High School

## COLLEGE CREDIT PLUS

College Credit Plus (CCP) provides full-time enrolled students in grades 7-12 the opportunity to earn both high school and college credit before graduation. It is essential that students and parents/guardians educate themselves on the pros and cons of the program and understand the steps that must be taken to qualify and participate. This page outlines many of the policies and procedures related to CCP, but does not cover everything. Visit the Ohio Department of Education website to learn more.

Students may be awarded credit based on one of two options (see below). Students will be awarded high school credit upon completion of the college coursework and will be awarded the letter grade assigned by the institution of higher education. Grades and credit will be listed on the high school transcript and factored into the high school GPA and class rank.

**Option A:** Student elects to receive college credit only and student is held financially responsible for the cost of college coursework.

**Option B:** Courses are taken for high school and college credit and Swanton Local Schools is responsible for all costs associated with courses taken at Ohio publicly funded colleges. Costs associated with courses taken at Ohio private colleges may be shared between the student and Swanton Local Schools.

**Participation in Courses:** Qualified students are eligible to take any courses for which they meet the eligibility criteria for. Students may take courses from one or multiple IHE's. Students may earn a maximum of 30 college credits per academic year and will be limited in the amount of college approved based upon the amount of high school courses they are also enrolled in. Students may take courses through a variety of means including taking courses on the college campus, online or at the high school by an approved high school instructor.

**Scheduling:** Students are responsible for working with their advisor assigned by the IHE to schedule their college courses. School counselors are able to provide limited assistance to students in choosing courses, but it is ultimately the student's responsibility to ensure the courses they choose meet high school graduation requirements, college degree requirements and are transferable. Upon completion of the college schedule, SHS staff will work with students to align their high school schedule accordingly. There is no guarantee that schedules between the college and high school will coordinate. Schedules for Summer Term must be completed by May 15, Fall Term by the last day of semester 2 and Spring Term by the last day of semester 1.

## **COURSE SELECTION PROCESS**

The registration procedure has three stages: course requests, counseling/orientation, and scheduling. During the course request stage students will complete worksheets of classes they intend to take for the following year. During the counseling/orientation stage students will have the opportunity to examine the course offerings, meet with their counselor and discuss their courses and future plans with parents, teachers and administrators. Prior to the scheduling stage counselors and administrators prepare a master schedule based upon student enrollment and course requests. The goal of building a master schedule is to create a minimum number of student conflicts per period. However, some conflict is inevitable and all students will not be able to take all subjects they desire. During the scheduling stage students will select the courses and times they would like to schedule on the forms provided by the school. After scheduling is completed, and students have had an opportunity to attempt to resolve conflicts, a printed schedule will be given to each student.

The use of scheduling means that students who fail courses, take summer school classes, change their academic direction during the summer or need to make a schedule change for any reason will need to make an appointment with a school counselor prior to the opening of school in the fall.

The scheduling of classes for the next school year requires students to give class selections serious consideration. The entire master schedule is built around student preference. The administration intends to hold students to class choices for next year unless there are good educational reasons for changing a schedule.

## **ELECTIVE CLASSES**

Elective courses are based on student demand.

## **MINIMUM SCHEDULE LOAD**

Swanton High School students are required to take a minimum schedule consisting of the equivalent of 7 periods per year. **No schedule will be approved until this requirement is met unless prior administrative approval has been granted!**

## **TRANSCRIPTS**

It is the student's responsibility to check his/her transcript to make sure all requirements for graduation are being fulfilled. This is done through the school counseling office during scheduled appointments.

## **SCHEDULE CHANGES**

Students are expected to complete all courses for which they are scheduled. Do not sign up for a course with the intention of "trying it out" and dropping it when you experience difficulty. Schedule changes of this nature or for personal convenience will not be honored. Schedule changes are contingent upon class size and student performance. Students have five (5) days

after the start of a semester to add or drop a course. A withdrawal/fail will be recorded for any dropped class after five days unless permitted by the instructor. All changes will be handled directly through the school counseling office. Students and parents are encouraged to make schedule changes due to conflict situations during schedule distribution days in August. Schedule changes will not be honored after the first five (5) days of the semester.

Advanced Placement (AP) courses cannot be added or dropped on a student's schedule after August 1st, approval needed from instructor, principal and parent.

## **NCAA “Core Course” Information**

Swanton High School offers core courses which have been approved by the NCAA for college bound student-athletics. If you intend to participate in athletics in college, be sure to check with your school counselor to be certain your schedule meets NCAA core course requirements.

## ART DEPARTMENT 2022 - 2023

<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
Art I	1 Unit	9 - 12	Recommendation
Art II	1 Unit	10 - 12	Art I
Advanced Art	1 Unit	11 - 12	Art I, II-Grade "B" or above (or teacher consent)
Sculpture/3D Art	1 Unit	10 - 12	Art I

### **Art I**

Art One is treated as an academic course covering material that focuses on the elements of design, principles of design, and careers in art. This course will not only create art, but identify, write, and discuss art as well. In addition, the course material will be covered with notes, quizzes, tests, homework, class work, and art projects.

### **Art II**

Art Two is treated as an academic course that builds off the knowledge gained in Art One to understand previous work art as well as create works of art. The material focused on in Art Two is art history; artist, styles, and periods from ancient art to contemporary art. The course material will be covered with notes, quizzes, tests, homework, class work, and art projects.

### **Advanced Art**

Advanced art is a portfolio based course that builds off the knowledge gained in Art One and Art Two to be inspired and create more advanced works of art. Artwork is more self-guided in this course which requires creativity and hard work to be successful. The material focused on in Advanced Art is further developing technical skill while observing and practicing more contemporary art forms. Therefore, artwork becomes more objective than art for art's sake. In addition, advanced art students are expected to participate in art exhibitions as a part of the course grade.

### **Sculpture/3D Art**

Sculpture/3D Art is treated as an academic course that builds on the knowledge gained in Art One. This course will focus on the history and techniques of making sculpture, 3-dimensional art. It is a more self-guided course that at times requires you to be more physically active. The course material will be covered with notes, quizzes, homework, classwork, and visual art projects.

## BUSINESS DEPARTMENT 2022 - 2023

<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
Intro. to Financial Acct/ Contemporary Business	2 Units (full year)	11	None
Intro. to Managerial Acct/ College & Career Prof.	2 Units (full year)	12	Intro. To Financial Acct/ Contemporary Business
Leadership Class	1 Unit	11 - 12	None
Principles of Business	1 Unit	9 - 10	None

### **ACC101 Intro. to Financial Acct./BUS101 Contemporary Business**

**(Applied toward college credit – up to 12 semester hours)**

This full year course (within our two-year program) develops an understanding of the basic principles of the accounting cycle and continues with more advanced accounting procedures that are used in the workplace today. Students will explore the excellent career opportunities that are available to graduates with an accounting background. This course provides an excellent opportunity for the college-bound student, especially those considering any type of Business related degree. Students will receive up to 12 hours of college credit through College Credit Plus upon completion.

### **ACC102 Intro to Managerial Acct./BUS102 College & Career Prof.**

**(Applied toward college credit – up to 6 semester hours)**

This full year course (2 semester hrs.) continues where Intro.to Financial Acct/Contemporary Business finished. Students will be introduced to more advanced levels of accounting principles and will be provided a full semester of comprehensive computer-based curriculum. Students will develop electronic financial reports, comprehensive payroll data, and advanced journal procedures for all levels of business ownership. Students will receive up to 6 hours of college credit through College Credit Plus upon completion.

### **Leadership Class**

This class will focus on developing proactive strategies intended to help freshmen experience success at Swanton High School. Concepts covered in Leadership class will include such areas as: discovering your why, goal setting, decision making, stress and time management, communication, working with others, conflict resolution, managing groups, and team building.

### **Principles of Business**

The first semester covers practical economic principles within today's changing economic climate. The student will also create a business from an idea they develop and explain how this business becomes profitable. The second semester covers Business Law and contains practical information that includes the difference between civil law and criminal law, rights and responsibilities, and contract law. Students will observe actual court cases and will accumulate case briefs.

## ENGLISH DEPARTMENT 2022 - 2023

<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
English 9	1 Unit	9	None
English 9 Honors	1 Unit	9	Recommendation
English 10	1 Unit	10	English 9
English 10 Honors	1 Unit	10	Recommendation
Creative Writing	1 Unit	10-12	English
Speech I	1 Unit	10	None
English 11	1 Unit	11	English 10
English 11 AP Language & Com.	1 Unit	11	Recommendation
Speech II	1 Unit	11-12	Speech I
English 12 College Prep	1 Unit	12	English 11
English 12 AP Literature & Comp.	1 Unit	11-12	Recommendation

### **English 9**

This is a foundational English course designed for entry to high school studies. All activities of this course contribute to the development of skills in the use of good English in both oral and written forms. During the semester, various genres of literature are also studied: short stories, novels, poetry, drama, and essays.

### **English 9 Honors**

This class is designed to challenge the superior English student. Students will comprehend and apply literary terms through reading, discussing, and analyzing short stories, poems, novels, and plays. Writing assignments will involve short answers and extended responses as reflected in the OGT as well as narrative, expository, and persuasive essays. In addition, students will complete a novel analysis and a research paper. The completion of summer reading and writing assignments must be completed in the summer.

### **English 10**

This course focuses on the integration of speech, writing, and reading skills. The class is also designed to develop the students' abilities to understand what they read and to write clearly about what they have read. An in-depth review of grammatical rules and application for writing will be another emphasis of this course.

### **English 10 Honors**

This course is a continuation of the honors curriculum. It is designed to challenge students through analyzing and discussing literature studied. Students will be given opportunities to write critically in response to the material covered. Students will read additional works, write more in-depth papers, and be required to complete summer reading and writing in an effort to prepare the student for the Advanced Placement English Literature exam offered in May of the senior year.

### **Creative Writing**

This course is designed to enable young writers to explore the development of their own unique voices in the realms of poetry and fiction. While the focus will be on students generating original creative work, careful attention will be paid to studying how both poetry and short fiction

are effectively constructed by a wide variety of authors. Such study will provide opportunities for each student to expand their understanding of what is possible in writing, as well as gain a variety of strategies to employ in their own writing.

### **Speech I**

This course is designed to give students a broad base in communication skills including communication theory and public speaking. Students will learn techniques to deal with public speaking. They will write and deliver a variety of speeches.

### **Speech II**

This course builds upon the knowledge gained in Speech, with the goal in mind of helping all students in the class to not just feel comfortable speaking in front of a wide variety of audiences in a wide variety of contexts but to also understand and demonstrate how to do it with maximum effectiveness. Content is very student-centered, with every quarter culminating in a speech or performance of some kind.

### **English 11**

English 11 is a general reading and writing class with an emphasis on American literature. This class continues building the critical reading and writing process learned in earlier classes. American culture, history, and authors are explored in this class. The course work requires extensive reading and writing. There is a major research report required for this class.

### **English 11 AP Language & Composition**

This junior level course provides an in-depth survey of American literary concepts with history, religion, and culture. Writing assignments include short essays, longer critical papers and comparative papers. Class structure varies: group work as well as student initiated projects. Features of the course are an extensive vocabulary review, syntax review for writing polish, review for SAT and ACT, preparation for the AP English Language and Composition Test, and individualized reading program. Students enrolled in this course are expected to take the AP exam and will be charged a test fee.

### **English 12 College Preparatory**

This course is designed to prepare the college bound student to write in a variety of styles and to read and discuss a variety of writing styles of British and other European authors from each major literary period. A heavy emphasis on writing and the techniques of research and documentation is an intricate part of this course. Students will also complete college searches and applications, write entrance essays, prepare resumes and collect letters of recommendations. Throughout the process, students will gain the resources and knowledge to find their way to college. The correlation of all materials for the Swanton High School Career Passport will also occur at this level.

### **English 12 AP Literature and Composition**

**(Not offered 2022-2023)**

The senior Advanced Placement English course is designed to offer a student in high school a literature/composition course comparable to one the student would encounter as a freshman in college. Classic literature from a variety of time periods, disciplines, and rhetorical contexts will be analyzed with an emphasis on structure and philosophy. There is also an emphasis on evaluation skills to develop a critical standard by which to evaluate art. Students must be recommended by the junior Advanced Placement English teacher. Students enrolled in this course are expected to take the AP exam and will be charged a test fee.

**FOREIGN LANGUAGE DEPARTMENT  
2022 - 2023**

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<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
Spanish I	1 Unit	9 - 12	None
Spanish II	1 Unit	10 - 12	Spanish I-Grade "C" or above
Spanish III	1 Unit	11 - 12	Spanish I, II-Grade "C" or above
Spanish IV	1 Unit	11 - 12	Spanish I, II, III-Grade "C" or above

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**Spanish I**

The first level of Spanish focuses on developing basic vocabulary acquisition speaking and listening skills using the present tense. Introductory reading and writing activities are also implemented.

**Spanish II**

Building proficiency in speaking, listening, reading and writing for the purposes of interaction and communication in Spanish is the main objective of this course. Classroom instruction in Spanish will increase as students' knowledge base grows. Students must receive a grade of "C" or better in Spanish I to enroll in this class.

**Spanish III**

This course will focus on the more advanced grammatical forms of the language with an emphasis on bettering communication in Spanish. Students will learn the majority of the simple tenses in Spanish in this course. A student needs a "C" or above to enroll in the next level.

**Spanish IV**

The principal objective of Spanish IV will be to develop a higher grade of proficiency to speak, read, listen and write in Spanish by using prior knowledge and materials from authentic sources to address situations that require critical thinking skills to solve problems. Students will also study the culture and people of Spanish speaking countries and their contributions to our world.

## HEALTH AND PHYSICAL EDUCATION 2022 - 2023

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<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
PE 9/Health 9	1 Unit	9	None
Strength and Conditioning	1 Unit	10-12	PE 9
Lifetime Sports/Fitness	1 Unit	10-12	PE 9

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### **Physical Education 9**

This course involves a composite of physical education activities. Activities may include: hockey, weight lifting, volleyball, basketball, aerobics, bowling, softball, and physical fitness. There will be a balance between team and individual games with as many lifetime sport activities as the facility, interest, and numbers will allow. Emphasis is placed on knowledge of rules plus developing and improving skill evaluation in various areas. A written test of rules and skill evaluation may be a factor in determining the student's grade. In addition, written assignments and projects may also be assigned. P.E. 9 is required for graduation. **Daily participation is required.**

### **Health 9**

Health is a semester course designed to answer the needs of young people for accurate information about the physical functioning of the human body. An aim of this course is to help the student to develop an appreciation of the functions of the human body and mind and gain a desire to maintain physical health. Health is required for graduation.

### **Strength and Conditioning**

This course is an extension of Physical Education 9 with a special focus on cardiovascular fitness. Students will learn skills that will transcend the classroom and allow them to lead a life of fitness after graduation.

### **Lifetime Sports/Fitness**

Lifetime Sports/Fitness is a course designed for students who are interested in improving their physical conditions and gaining knowledge of the latest and most accepted forms of aerobic and anaerobic exercises. The course will spend significant time informing students on how to make healthier lifestyle choices.

**MATHEMATICS DEPARTMENT  
2022 - 2023**

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<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
Algebra I	1 Unit	9	Math 8
Geometry	1 Unit	9 – 12	Advanced Math 8
Algebra II	1 Unit	10 – 12	Geometry
Pre-Calculus	1 Unit	11 – 12	Algebra II
Financial Math	1 Unit	11 – 12	Algebra II
Statistics	1 Unit	11 – 12	Algebra II
Calculus	1 Unit	11 – 12	Pre-Calculus
Honors Calculus	1 Unit	11 – 12	Pre-Calculus
AP Calculus AB	1 Unit	11 – 12	Pre-Calculus/Recommendation

**Courses must be taken with prerequisites and in sequence.**

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### **Algebra I**

Algebra 1 is a core course open to students who have earned credit for Math 8. Topics from Pre-Algebra are reviewed, including arithmetic of signed numbers and solving simple linear equations. Also taught are factoring, solving linear inequalities and quadratic equations of 1 variable, and solving equations and simplifying expressions that involve algebraic fractions. Students will gain experience in setting up and solving systems of equations. The concept of a function is introduced and developed, and students are taught to evaluate and graph linear and quadratic functions.

### **Geometry**

Geometry is a core course open to students who have earned credit for Integrated Math 1. Relationships of points, lines, planes, angles, circles, and polygons are taught and students are shown how to prove statements using various methods. Compass and straightedge constructions are done with emphasis on why they work. Area and volume of common geometric solids and figures are studied, as are topics of graph theory.

### **Algebra II**

Algebra II is one of the core college preparatory math courses, but students who do not intend to go to college may enroll in the course. Topics from Algebra I are reviewed and extended. Arithmetic of polynomial and algebraic fractions, including factoring techniques, simplifications of radicals, and solving equations and inequalities are taught. Students learn about negative and rational exponents, learn how to use the quadratic formula, and gain a better understanding of functions. They broaden their understanding of coordinate geometry, especially the equations of conic sections (circles, parabolas, ellipses, and hyperbolas). Topics also covered are complex numbers, trigonometry, matrices, exponential and logarithmic functions, probability, and statistics. Throughout the course there are many opportunities to solve real world problems.

### **Pre-Calculus**

This course is designed for college bound students who wish to prepare themselves for a college level Calculus course. Topic areas for the course include: trigonometry, vectors, matrix algebra, conic sections, and a detailed look at algebraic functions and limits.

### **Financial Math**

This course uses mathematical skills as a tool in personal financial situations. Personal finance concepts that are explored are gross and net income, checking and savings accounts, budgeting, and income tax. Calculators will be used extensively.

### **Statistics**

In this course, students will be introduced to the major concepts of probability, interpretation of data, and statistical problem solving. Students will learn the course concepts through hands-on experimentation and investigation. Students will analyze existing data as well as data collected through a survey, observational study or experiment.

### **Calculus (Not offered 2022-2023)**

This course is designed for college-bound students capable of abstract thinking and mathematical proofs. The course covers limits and continuity, functions, differential calculus, and integral calculus. These topics provide a foundation for higher-level mathematics, physics, chemistry, engineering, and business.

### **Honors Calculus**

This course is designed for college-bound students capable of abstract thinking and mathematical proofs. The course covers limits and continuity, functions, differential calculus, and integral calculus. These topics provide a foundation for higher-level mathematics, physics, chemistry, engineering, and business. This course will move at a faster pace than calculus, and will cover more complex methods and calculations.

### **AP Calculus AB (Not offered 2022-2023)**

Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Broad concepts and widely applicable methods are emphasized. Students enrolled in this course are expected to take the AP exam and will be charged a test fee.

## MUSIC DEPARTMENT 2022 - 2023

Course Name	Credit	Grade	Prerequisite
Chorale	1 Unit	9 – 12	By Audition
Show Choir	1 Unit	9 - 12	Chorale & By Audition
Band	1 Unit	9 - 12	None
Music Appreciation	1 Unit	10 - 12	Ability to read music

### Chorale

Open to students in grades 9 - 12. This course is geared as a performing group with performances and contests in the winter and spring. Participation in All County Choir is optional as is solo and ensemble contest. Literature from all musical periods is presented to allow students a more complete growing experience.

### Show Choir

The Show Choir is a co-curricular performance choir singing various styles of music and performs at concerts, contests and several community events. Performances are required both during and outside the school day. Students in grades 10-12 will be selected for auditions. Students in grade 9 with a background in the performing arts may also be selected for audition. Students will also participate in All-County Choir and the Solo/Ensemble Contest. **Audition dates will be announced.**

### Band

Swanton High School has a comprehensive band program. **Students registering for band are in both marching and concert bands.** Although the first semester is mainly marching band, the year is not divided as two classes. We are one band. The type of function dictates whether we march or sit down. Band is a co-curricular class: both in school and after school rehearsals are required. Involvement in sports is not a problem. Students must schedule both semesters of band.

Starting with rehearsal in late July and continuing through August, the marching band performs at each football game and at several festivals and competitions each fall. Two (2) nights a week for the first quarter there is an after school practice. Performing the current popular music is a major enjoyment of being in a marching band. During the rest of the year, the band performs at 7 basketball games and 3 concerts. A major part of a concert band is performing the best music in the band repertoire at contests and concerts. Performance at the highest level possible and the satisfaction of that musical experience is the main goal. The band takes a trip (i.e., Florida, D.C.) every two years.

Other playing and performing opportunities follow below. Students earn points for being involved and participation does affect their grade slightly, however full participation is optional.

1. Pep Band: The pep band performs at pep rallies and ten home basketball games.
2. Solo & Ensemble: Rehearsal during band class and after school.
3. Honors Groups: Participation in any Honors Band, County, District or State.
4. Pit Orchestra: Pit orchestra for the high school musical.

### Music Appreciation

This course covers music development from the medieval era to the present time. Emphasis is placed on historical aspects in relation to music, developments, and changes in style, instrumentation, form, and performance, and some biographical study of the most prominent composers of the different eras of musical composition. Much class time is devoted to listening to music corresponding to the area of study.

## SCIENCE DEPARTMENT 2022 – 2023

<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
Physical Science	1 Unit	9	None
Biology	1 Unit	10	Phys. Science
Chemistry	1 Unit	11	Biology
ChemCom	1 Unit	11	Phys. Science/Biology
AP Chemistry	2 Units	11-12	Recommendation
Anatomy & Physiology	1 Unit	12	Chemistry
Physics	1 Unit	12	Integrated Math 3 & Chemistry
Environmental Science	1 Unit	12	Chemistry-or in conjunction
Astronomy	.5 Unit	11-12	Phys. Sci./Bio./Algebra I
Physical Geology	.5 Unit	11-12	Phys. Sci./Bio./Algebra I

### **Physical Science**

The course is designed for a year's credit in science with emphasis on four major areas of science: Chemistry, Physics, Earth and Space Science.

### **Biology**

This course is designed to study the systems found in animals and plants with emphasis on the relationship they have with each other and their environment.

### **Chemistry**

Chemistry is designed as an introduction to scientist's understanding of how matter behaves. The main focus of this course is use laboratory experiments to demonstrate chemistry concepts

### **ChemCom**

Chemistry in the Community is a chemistry course designed by the American Chemical Society that provides students with an idea how chemistry is applied in daily societal problems. ChemCom includes many of the chemical concepts studied in chemistry with a more hands-on approach. This course emphasizes problem solving and decision making skills. Topics include water, air, petroleum, industry, atoms and food.

### **AP Chemistry**

The AP Chemistry course is a second year of chemistry equivalent to one year of general college chemistry. This course emphasizes chemical calculations and college level laboratory work. A wide range of topics are covered in depth including structure of matter, kinetics, and thermodynamics. Success in this course requires a strong mathematics background. Students enrolled in this course are expected to take the AP exam and will be charged a test fee. Prerequisite: Achievement level of "A" or "B" in Algebra II and one year of Chemistry.

### **Anatomy & Physiology**

A general course which presents the normal structural and functional activities of the human body. Laboratory studies of the systems are aided by the use of models, dissection of cats, and computer programs. Presents the formation and operation of the body and its parts, the interrelationship and interdependence of systems, and basic terminology relative to the human body.

### **Physics**

The course will be a survey of the major aspects of physics. Emphasis is placed on understanding of concepts, and on problem solving. Basic algebra skills are essential. Laboratory work will reinforce the concepts and methods of physics. The course will include a basic study of kinematics; Newtonian mechanics; thermodynamics, wave phenomena and electromagnetism health

### **Environmental Science**

The course will include a study of geologic processes, land forms, atmosphere, and hydrosphere. These topics will be treated as physical science, emphasizing their effects upon humankind and our relationships with the biosphere. Laboratory experiences will include classroom modeling, physical processes and field examinations of local geographical features.

### **Astronomy\* (1 semester + Physical Geology)**

This course introduces astronomy and astrophysics with an emphasis on discoveries from space exploration. First, it deals with understanding the history of astronomy, orbits, gravitation, properties of light, the electromagnetic spectrum and stellar evolution. Second, it investigates the properties, origin, and evolution of the major planets, asteroids, comets, Sun, and other components of the Solar System with particular emphasis on comparative aspects with respect to the Earth. Third, it explores the developing field of Astrobiology (the origins, evolution, distribution, and future life of the universe) highlighting recent discoveries of extrasolar planets.

### **Physical Geology\* (1 semester + Astronomy)**

This course introduces geology with emphasis on Earth processes and meteorology. First, it deals with an investigation of geological processes including plate tectonics, mountain building, faulting, earthquakes, and volcanism. Earth's geological history will be explored. Second, it explores the study of weather, including atmospheric properties and processes that control temperature, wind, precipitation, and storm systems. Third, the relationship between the hydrosphere, atmosphere, lithosphere and biosphere is investigated.

**\*Astronomy and Physical Geology are taken together as a one year blended course.**

## SOCIAL STUDIES DEPARTMENT

### 2022 - 2023

<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisites</b>
World Studies	1 Unit	9	None
World Studies Honors	1 Unit	9	Recommendation
American History	1 Unit	10-11	World St./Civics
United States History AP	1 Unit	10-11	Recommendation
Psychology and Sociology	1 Unit	11-12	None
Psychology AP	1 Unit	10-12	Recommendation
Cultural Diversity	1 Unit	11-12	World Studies/Am. History
American Government	1 Unit	11-12	World Studies/Am. History
AP U.S. Gov. & Politics	1 Unit	11-12	World Studies/Am. History

#### **World Studies**

World Studies is designed to provide students with a world perspective of historical events. Students will analyze cause, effect, sequence and correlation in historical events, including multiple causation and long- and short-term causal relations. Students will use both primary and secondary sources to develop theses and use evidence to support or refute historical positions. Topics of study will include: Geography/Human Geography, World Religions, Renaissance, Enlightenment, Revolutions, Industrialization, Colonization, Imperialism, Mass Society, WWI, WWII, the Cold War, and Globalization.

#### **World Studies Honors**

This course will provide students with a more in depth view of the Enlightenment through contemporary times. Students will analyze information by interpreting documents, identifying and comparing experiences and perspectives, and interpreting data using a variety of primary and secondary resources. There will be a focus on critical thinking, writing, and research.

#### **American History**

This course will focus on American history, economics, and government. One semester will focus on economics and government. The second semester will look in depth at American history from World War I to present day American government is the study of the history, principles, and application of the rights and privileges of United States citizenship. Emphasis is placed on responsibilities of a good citizen and responsibilities of government to its people. Other topics include: Legislative branch, Executive branch, Judicial branch, and State and local government.

As a part of the economic portion of the course, students will have the opportunity to learn about how a free market economy operates. They will study the forces that determine supply and demand. Attention will be paid to the role of government and the U.S. economy as well as other economic systems. Topics will include: Consumerism, Banking, Employment, and Credit.

American history is designed to provide students with an American perspective of historical events relevant to our history. Topics will include: World War I, Post War Era, Roaring 20's, Great Depression, The New Deal, World War II, Cold War, The New Frontier and the Great Society, Civil Rights Movement, and Vietnam War.

#### **United States History AP**

This advanced placement course in United States History is considered the equivalent to a college introductory course in American History. This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems

and materials in United States history. In addition to a chronological coverage of the facts of our history, students will also experience the economics, cultural, intellectual, and social history of our nation, in addition to political-constitutional and diplomatic history. Students enrolled in this course are expected to take the AP exam and will be charged a test fee.

### **Psychology and Sociology**

This course is a survey of the study of behavior and mental processes with emphasis on the scientific nature of contemporary psychological investigation. Topics discussed included research methods, the biology of behavior, sensation and perception, stress and adjustment, learning, memory, cognition, motivation, emotion, life-span development of behavior, personality, abnormal behavior and its therapies, social behavior and individual differences. Students will also explore the concepts and theories necessary to systematic understanding of our social worlds. Topics may include considering sociology as science, the nature of large- and small-scale groups, social stratification, historical eras and social change, and race, ethnic and gender relations.

### **Psychology AP**

Students explore the concepts and theories necessary to systematic understanding of our social worlds. Topics may include considering sociology as science, the nature of large- and small-scale groups, social stratification, historical eras and social change, and race, ethnic and gender relations. Students enrolled in this course are expected to take the AP exam and will be charged a test fee.

### **Cultural Diversity**

Cultural Diversity provides students with a more in depth view of human geography. This course examines the emergence of and dynamic patterns of interaction between cultural groups in the world. Students will analyze information by interpreting documents, identifying and comparing experiences and perspectives, and interpreting data using a variety of primary and secondary resources. There will be a focus on critical thinking, discussion, research, and presentations. Topics of study will include: world religions, international cultural practices, American subcultures, and interactions between cultures. Students will explore many different types of cultures ranging from American Hip Hop culture to the cultural practices of remote people of the Amazon Rainforest. Students will have a chance to explore how current popular culture trends tie into the larger world perspective. The goal of this course is for students to gain a greater understanding of unique world cultures different from their own.

### **American Government**

This course is designed to explore the history of government and the development of the United States government and political systems. The Government lessons examine the authority, structure, and rights of American citizenship through the establishment of government organizations and policies. Interactive media has been included to help engage the student in the visual learning process.

### **AP United States Government and Politics**

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments.

## TECHNOLOGY EDUCATION 2022 - 2023

<b>Course Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Prerequisite</b>
Information Technology	1 Unit	9 – 12	None
Interactive Media I	1 Unit	11 – 12	Info. Tech. (“C” or better)
Interactive Media II	1 Unit	11 – 12	Interactive Media I
Digital Video/Photo	1 Unit	10 – 12	Recommendation

### **Information Technology**

This course integrates the use of an iMac computer, internet, and digital video camera along with the Microsoft Office package of Word, Excel, and PowerPoint. In this course, students will make attractive, professional-looking projects that will include graphics, sound, and animation. Students will also complete I-Movie projects that will allow them to work with video editing software. This course will introduce students to the Interactive Media program which is offered to juniors and seniors. A Career Tech Assurance Guide (CTag) can be earned by passing an end of course Web-Xam for this course. Students who earn a final course grade equal to a “B” or higher AND earn a passing score on the course Web-Xam will earn the State Technology Diploma Seal.

### **Interactive Media I**

The Interactive Media program provides students with the entry-level knowledge and computer skills needed to enter the business job market. Interactive Media combines graphic design fundamentals, information technology, and basic business principles. Skills learned will include animation, media design, desktop publishing, web page design, video camera operation, and computer video editing. A Career Tech Assurance Guide (CTag) can be earned by passing an end of course Web-Xam for this course. Students who earn a final course grade equal to a “B” or higher AND earn a passing score on the course Web-Xam will earn the State Technology Diploma Seal.

### **Interactive Media II**

Students returning to the media program will further advance and reinforce the skills learned in Interactive Media I. This will be a largely project oriented curriculum. Advanced computer video editing software such as Final Cut Pro will be taught. This class will include broadcasting athletic and other extracurricular events at the high school. Students may be able to work outside of school in an appropriate job setting. A Career Tech Assurance Guide (CTag) can be earned by passing an end of course Web-Xam for this course. Students who earn a final course grade equal to a “B” or higher AND earn a passing score on the course Web-Xam will earn the State Technology Diploma Seal.

### **Digital Video Production/Photography**

Digital Video Production introduces the skills needed to enter the broadcast and production industries. It includes sound, lighting and various forms of production including filming extracurricular activities including sports, concerts and musicals. Students will learn top of the line programs such as Adobe Premiere, After Effects, Audition and Encore. The Video Collection Revealed Textbook will be used for instruction. Sony and Canon Cameras will be utilized for Photography. These cameras are top of the line and students will have the opportunity to enter various photo contests throughout the year. Photoshop Revealed Textbook will be used throughout the year to assist instruction. A Career Tech Assurance Guide (CTag) can be earned by passing an end of course Web-Xam for this course. Students who earn a final course grade equal to a “B” or higher AND earn a passing score on the course Web-Xam will earn the State Technology Diploma Seal.