COURSE HANDBOOK

26-27



COURSE AVAILABILITY

While we strive to accommodate student preferences, we cannot guarantee enrollment in a specific course. The Board of Education, in Policy 2312, has established clear guidelines for class sizes. These guidelines serve as our operational standard and are essential for maintaining high-quality learning environments across all offerings.

The class size goals are the starting point for determining the courses and sections offered each year. While certain circumstances may allow limited exceptions for courses to run outside of the suggested class size goals set by the School Board, we adhere closely to these ranges. For this reason, it's important that students thoughtfully identify several courses (alternates) when registering for courses.

The following are class size guidelines:

- Physical Education Courses: 25-35 students with a goal of 30 students per section.
- Machine Based Technology Education Courses*: 16-22 students with a goal of 20 students per section.
- Choir, Band, Orchestra Courses: 30-70 students per section.
- Other Course Offerings: 22-30 students with the goal of 26 students per section.

*There may be additional courses outside of Technology Education with this target due to equipment availability and supervision needs.

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Sculpture
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PLTW: Principles of Engineering
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Students should plan a four-year program of courses as early in high school as possible. These choices can affect a student's ability to achieve their post-secondary educational and career goals. Every attempt should be made to plan carefully and accurately, constantly keeping in mind one's capabilities, interests, and work and post-secondary education ambitions. All students should actively seek the advice and counsel of their parents/guardians, teachers, and student services personnel in planning their four-year programs.

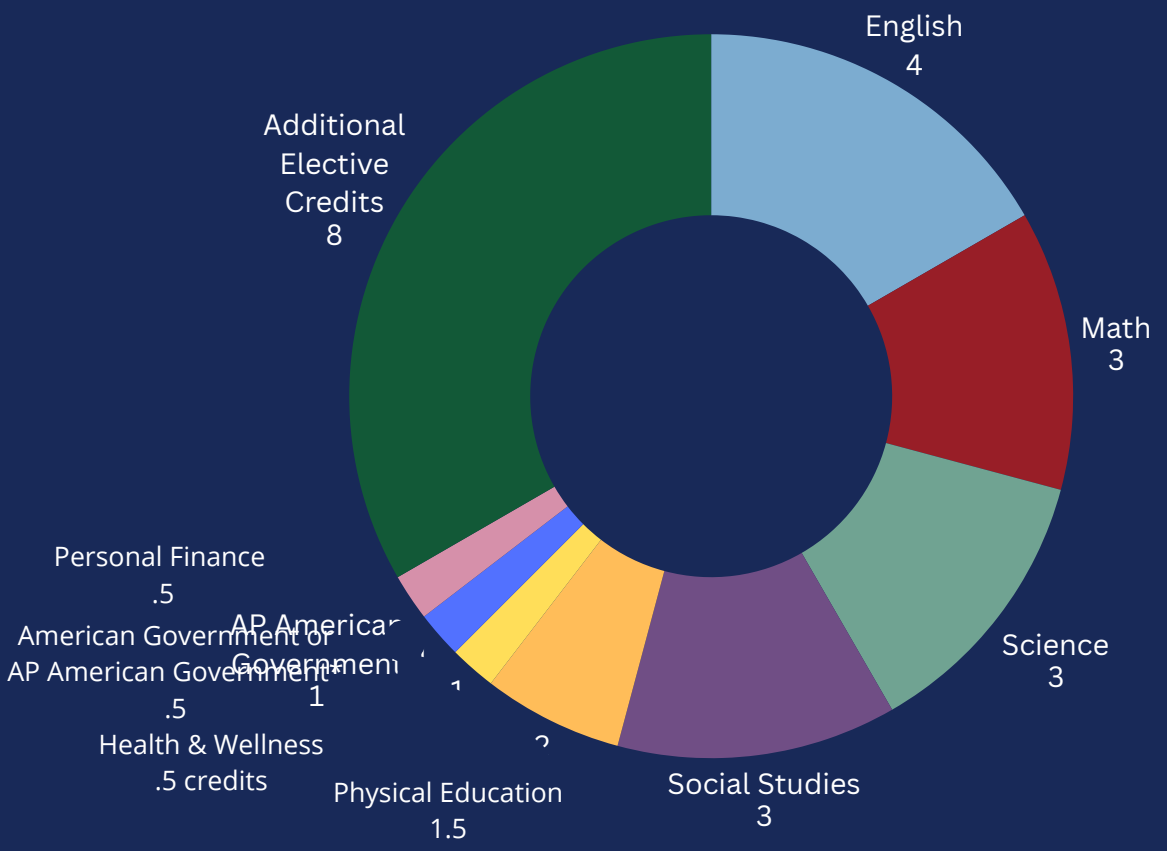
Planning for course selection during registration is important, as schedule changes after this time will only be considered for extenuating circumstances.

This course handbook has been prepared to help students make informed decisions. All of the courses offered at Monona Grove High School are listed and described on the following pages. We urge you to read this handbook; further information about specific courses can be obtained by talking with teachers of that course.

GRADUATION REQUIREMENTS

1. All students grades 9 - 11 are required to register for a minimum of 7 credits. A minimum of 3.5 credits per semester must be maintained. Seniors are required to register for a minimum of 6 credits. A minimum of 3.0 credits per semester must be maintained.

2. The following **24 credits** must be successfully completed in order to receive a diploma:



*Students are also required to pass the Wisconsin State Civics Test.

3. It is the responsibility of the student to make sure that the course requirements in each area have been fulfilled.

4. When a course is failed and retaken a second time, both grades will be calculated in the GPA and be recorded on the transcript. Special permission must be granted from a school counselor to retake a course that was passed. Credit towards graduation will be counted only once.

MGHS FOUR-YEAR PROGRAM OF STUDIES PLANNING GUIDE

GRADE 9

SEMESTER 1	SEMESTER 2
English 9	English 9
Math	Math
Biology	Biology
World Affairs	World Affairs
PE Level 1	Elective
Elective	Elective
Elective	Elective
Study Hall or Elective	Study Hall or Elective

GRADE 10

SEMESTER 1	SEMESTER 2
English 10	English 10
Math	Math
Chemistry	Chemistry
World History	World History
PE Option	Health
Elective	Elective
Elective	Elective
Study Hall or Elective	Study Hall or Elective

GRADE 11

SEMESTER 1	SEMESTER 2
English 11 or AP Lang & Comp	English 11 or AP Lang & Comp
Math	Math
Physics or AP Physics 1	Physics or AP Physics 1
US History or AP US History	US History or AP US History
PE Option	Elective
Elective	Elective
Elective	Elective
Study Hall or Elective	Study Hall or Elective

GRADE 12

SEMESTER 1	SEMESTER 2
English	English
American Government or AP Gov	Personal Finance
Elective	Elective
Elective	Elective
Elective	Elective
Elective	Elective
Elective	Elective
Study Hall or Elective	Study Hall or Elective

TO TOP

COURSE SELECTION / REGISTRATION
DECEMBER-FEBRUARY EACH YEAR

Students and parents should carefully consider post-secondary plans and make certain that the courses selected meet the long-term needs of the student.

- **Students should assume that the courses selected will be scheduled and should not expect to make changes at a later time.**
- If selected courses will not be offered due to low enrollment, or if students' courses conflict with one another in the student schedule, counselors will replace the course in conflict with one of the alternate choices a student has selected. This is why alternate courses are required and should be chosen thoughtfully. If a conflict still remains after attempting to add the alternate courses, then the school counselor will work with the student to find a different course selection.

SCHEDULE CHANGES - DROPPING AND/OR ADDING A COURSE

Student schedules will be finalized in August. Parents/guardians and students will be emailed when schedules are available in Infinite Campus.

Schedule Changes: Adding and/or Dropping a Course

Before a schedule change is explored, students must talk with their counselor, and obtain the “Schedule Change Application Form”, followed by conversations with all teachers involved in the proposed change. New courses may be added if there is room in the course and it doesn’t put the course sections out of balance.

Schedule changes will not be made for teacher requests or to place a class, study hall, or lunch at a specific time.

Course Drops After Classes Begin

Days 1 – 4: Course changes will not be made during the first four days of classes.

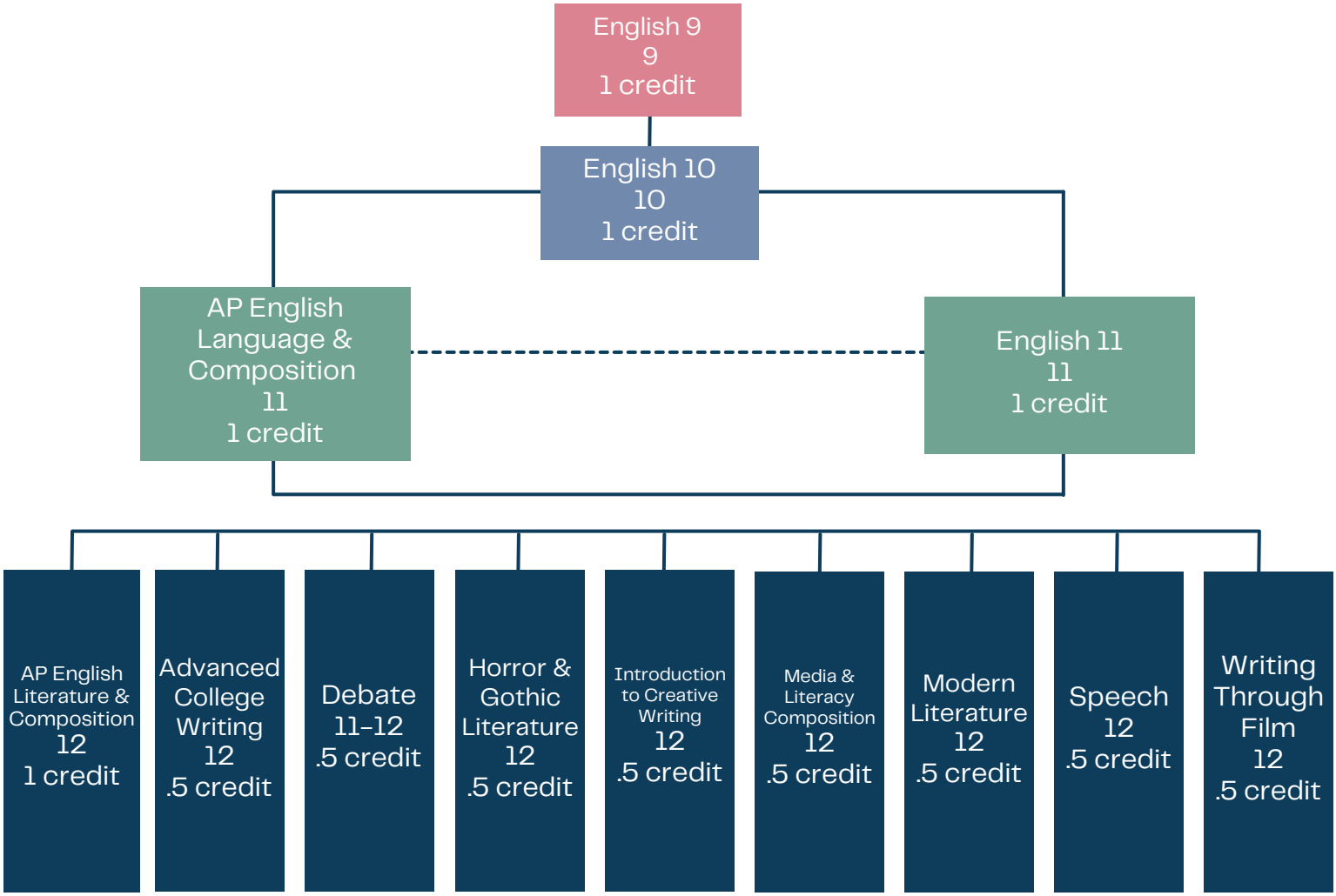
Days 5 – 10: The student must have this form signed by the parent or guardian and any necessary staff members following conversations with them. The course will not be recorded on the student’s transcript.

Days 11—Last day of Quarter 1 or 3: The student must have this form signed by the parent or guardian and any necessary staff members after conversations with them. The student will receive a “W” for withdrawal on the transcript, which will not impact the student's GPA.

After 1st or 3rd Quarter Ends: If a course is dropped after the end of the first/third quarter, an “F” is reflected on the student’s transcript, and this grade is calculated into the student’s cumulative GPA.

LANGUAGE ARTS

English, Reading, and Writing skills that are a focus of the Career and College Readiness Skills (CCRS) are integrated in all English courses. The CCRS skills are assessed on the ACT and correlate with academic success in college.



LANGUAGE ARTS



FRESHMAN COURSES

ENGLISH 9

(ENG32111/2)
N

Grade 9
1 credit

English 9, a year-long course, aligns the core learning goals with College Readiness Skills in the areas of language/grammar, composition, vocabulary, and critical reading. Composition focuses on the accurate use of textual evidence as support in well-developed paragraphs and in the five-paragraph essay format. Reading for this course will include novels, poetry, non-fiction, drama, and short stories. As a college preparatory course, students should be aware that the workload in this class is demanding and expectations for content, organization, and mechanics in written work are high. Required homework is directly tied to skills practice and content in order to build skills in reading and writing.

SOPHOMORE COURSES

ENGLISH 10

(ENG32211/2)
N

Grade 10
1 credit

English 10, a year-long course highlighting reading skills through world literature and emphasizes further language skill development in essay writing, identifying and using rhetorical strategies, and literary analysis. Throughout these units, instruction is given in grammar, usage, vocabulary, and oral communication skills. Because this is a college preparatory course, students should be aware that the workload in this class is demanding and expectations for content, organization, and mechanics in written work are high.

JUNIOR COURSES

AP ENGLISH LANGUAGE & COMPOSITION

(ENG31611/2)
AP N

Grade 11
1 credit
Prerequisite: Student needs to be a junior with successful completion of English 10.

This is a year-long rhetoric course focusing on the analysis, synthesis, and evaluation of complex function and nonfiction texts from writings in the arts, history, social science, politics, science and other areas of study. In addition to critical reading, students will write frequently and simulate the writing process, especially the revision phase. Additionally, students will develop skills in analyzing and writing argumentation. Students write in-class essays to prepare for the AP test. Research, presentations, and discussions are part of the course and focus on the use of rhetorical strategies. As an officially accredited AP course, students may have the opportunity to attain college credit. Students should be aware that the workload in this class is extremely demanding and expectations for content, organization, and mechanics of written work are extremely high, equivalent to a college freshman-level language/composition course. Average nightly homework: 1 hour

N = NCAA Accepted

LANGUAGE ARTS

ENGLISH 11

(ENG31311/2)
N

Grade 11
1 credit

English 11 is a year-long course which focuses on the development of students' reading, writing, speaking, grammar, and vocabulary skills through the exploration of the American dream and the American experience. Units include a mixture of fiction and non-fiction; by examining visual texts (graphs, TV shows, advertisements, paintings) and written texts (essays, short stories, plays, poems, news articles, historical documents), students come to a deeper understanding of central questions about values of Americans today and through history. As a college preparatory course, the skills inherent in instruction are aligned with those asked of students on the ACT exam students take in the spring. Students write, discuss, present, and complete creative projects as assessments throughout the year.

LANGUAGE ARTS ELECTIVES

Seniors and students interested in extra English electives will select electives from the following courses. Electives will be offered each semester according to interest and staff availability.

AP ENGLISH: LITERATURE & COMPOSITION

(ENG31591/2)
AP N

Grade 12
1 credit

This college-level course examines literature, both classic and contemporary, from a critical perspective. Students can expect to read a variety of genres of literature from poetry to short fiction to drama to novels from the 16th century to the present. Students will explore literary criticism and literary theory as a means to analyze key texts. In addition to critical reading, composition is fundamental to the course design. Students will work extensively on their writing both in and out of class, largely in response to the literature they read. Students will write frequently and simulate the writing process essential to college-level writing. As an officially accredited AP course, students may have the opportunity to attain college credit upon successful passing of the AP exam in May. **Prospective students should be aware that the rigor of the course is demanding, and, as such, AP English Literature and Composition should be equated to a college freshman-level literature/composition course. Average nightly homework : 1 hour. Required summer reading: How to Read Literature Like A Professor by Thomas C. Foster**

ADVANCED COLLEGE WRITING

(ENG31620)
N

Grade 12
.5 credit

This semester-long college prep course helps students to gain experience working through the writing process—brainstorming, outlining, drafting, editing, and revising—in order to gain comfort and confidence in their writing. Reading, writing, and rhetorical skills are the foundation of this course. (continues)

N = NCAA Accepted

(continued) Students will analyze various nonfiction compositions and engage in discussion surrounding current societal topics. Students will write a variety of essay types: definition, synthesis, comparison/contrast, classification and division, and persuasive writing. Students will also review and practice elements of style, usage, and grammar, as well as work on vocabulary-building and standard MLA format. This course is open to seniors only.

DEBATE & ARGUMENTATION

(ENG31460)
N

Grade 11-12
.5 credit

The skills taught in debate help students in all areas of learning by utilizing appropriate career and college readiness standards while emphasizing critical thinking, logic, analysis, argumentation, persuasion, listening, and research. During the semester students study a number of topics of contemporary significance and respond weekly to an online element. The culminating project for this course is a minimum 8-10 page research paper with 8-10 minute in-class presentation. Students should be aware that the workload in this class is demanding. This course is open to all students in grade 12, and as an elective for grade 11.

HORROR & GOTHIC LITERATURE

(ENG31500)
N

Grade 12
.5 credit

This semester course is reading intensive and based around the Career and College Readiness Standards. The course will evaluate literature spanning the early 1800's to present day authors. Students should expect a wide range of literary styles and genres. These readings will challenge students to consider the texts in unexpected and thought provoking ways. Horror and Gothic Literature relies heavily on outside reading, class discussion, and writing. Students should expect challenging reading with the expectation that much of that reading will occur outside of class. Strong readers, creative writers and students looking for a challenge are encouraged to take this class.

INTRODUCTION TO CREATIVE WRITING

(ENG31320)
N

Grade 12
.5 credit

This is a writing-intensive course that aims to give students who are interested in creative writing an opportunity to engage with various genres of writing. Students will walk through the writing process, from drafting to revising, as they develop their talents. Students will be writing an average of 45-60 minutes per class and are expected to use workshop time wisely. The intention of the course is to allow students to engage with a variety of genres and styles and to guide them as they learn to illustrate their ideas and have fun with language. Students will be expected to rewrite pieces of their writing and to engage positively in the community of writers as they share their own writing regularly and learn from others. Students will be required to keep a folder with all their writings created in and out of class and will present their writings in a culminating portfolio project.

LANGUAGE ARTS

MEDIA LITERACY & COMPOSITION

(ENG31330)
N

Grade 12
.5 credit
Prerequisite: Students should have average to above-average writing skills.

This English elective is designed to introduce and develop media literacy, which is the ability to question critically, understand, interpret, analyze, and evaluate the content, intent, strategies, and effects of the mass media. Being media literate means that one controls the interpretation of the media instead of it controlling the person. Students will become aware of principles, myths, and techniques in media, and media literacy terms and concepts. Students will focus on different media units and be expected to read a variety of magazine/newspaper articles and book excerpts, think critically and take part in daily class discussions, write responses and analyses to what they have read or seen, present projects individually and in groups, and watch television newscasts, shows, films, and commercials for analysis. Learning unit-specific vocabulary is also a part of becoming media literate.

MODERN LITERATURE

(ENG31490)
N

Grade 12
.5 credit

Modern Lit is an intensive reading course. The goal of the class is to develop reading stamina and analysis. Students will read multiple novels, as well as several short stories throughout the semester. All titles are modern and were written between 1980 and present; they include a variety of genres, voices, genders, cultural perspectives, and text types. Students will read approximately two novels in this semester-long course, along with several short stories. Critical reading skills are required in the examination and analysis of current issues in our society as they appear in the reading. Student performance is demonstrated through notes, discussions, projects, assessments, and writings on each title. Students will read between approximately 20 and 50 pages each class period.

SPEECH

(ENG31450)
N

Grade 12
.5 credit

Different kinds of speeches (extemporaneous, manuscript, and impromptu) and dramatic performances, which enable freedom of expression, personal confidence, critical thinking, and improved ability, will be given. Additionally, students will enhance their ability to listen, take notes, and do research. Evaluation includes performances on both written and speaking assignments. Students will study speeches and speaking techniques.

WRITING THROUGH FILM

(ENG31480)

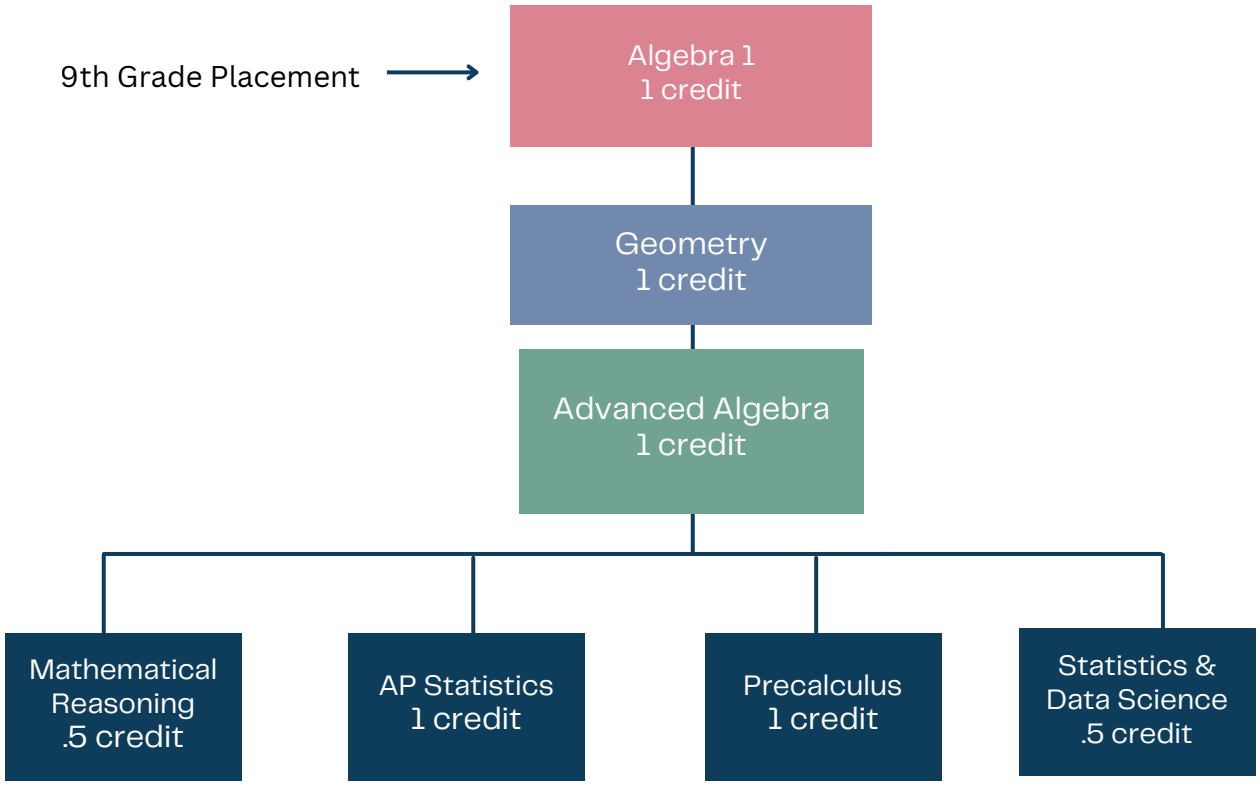
Grade 12
.5 credit

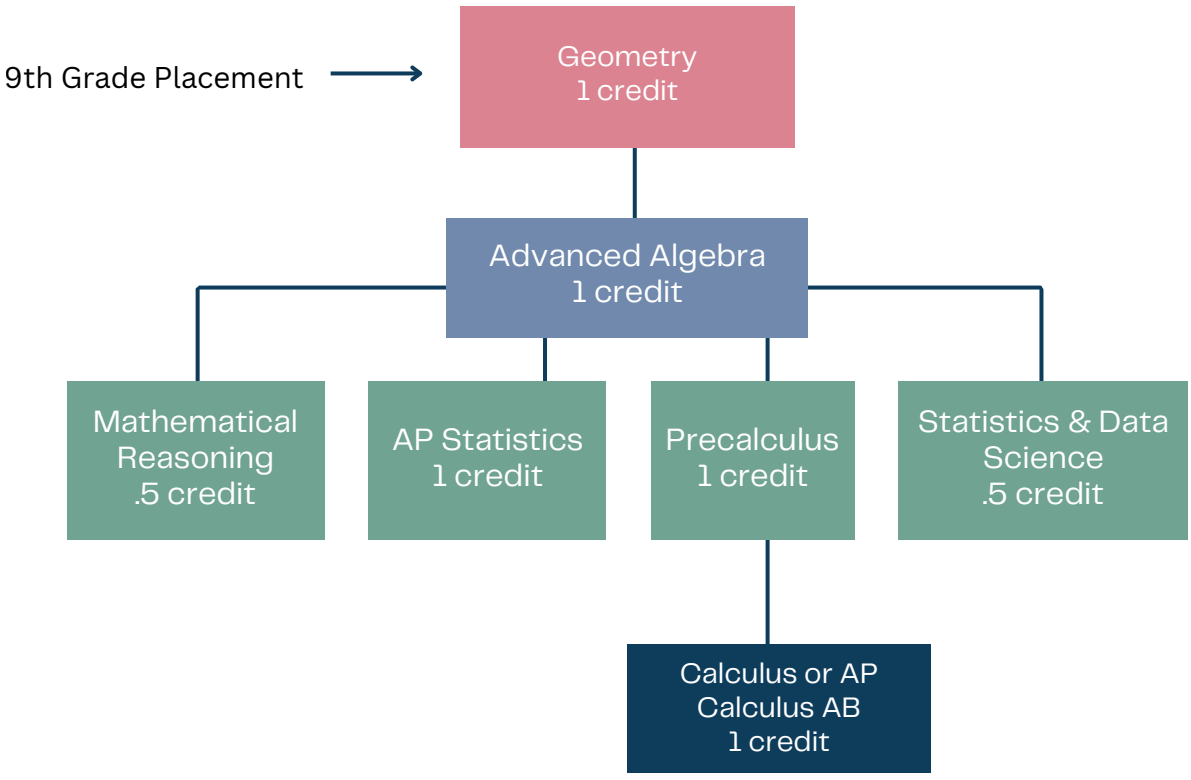
In this elective class, film will serve as the medium by which students work to improve their writing and critical thinking skills. (continues)

N = NCAA Accepted

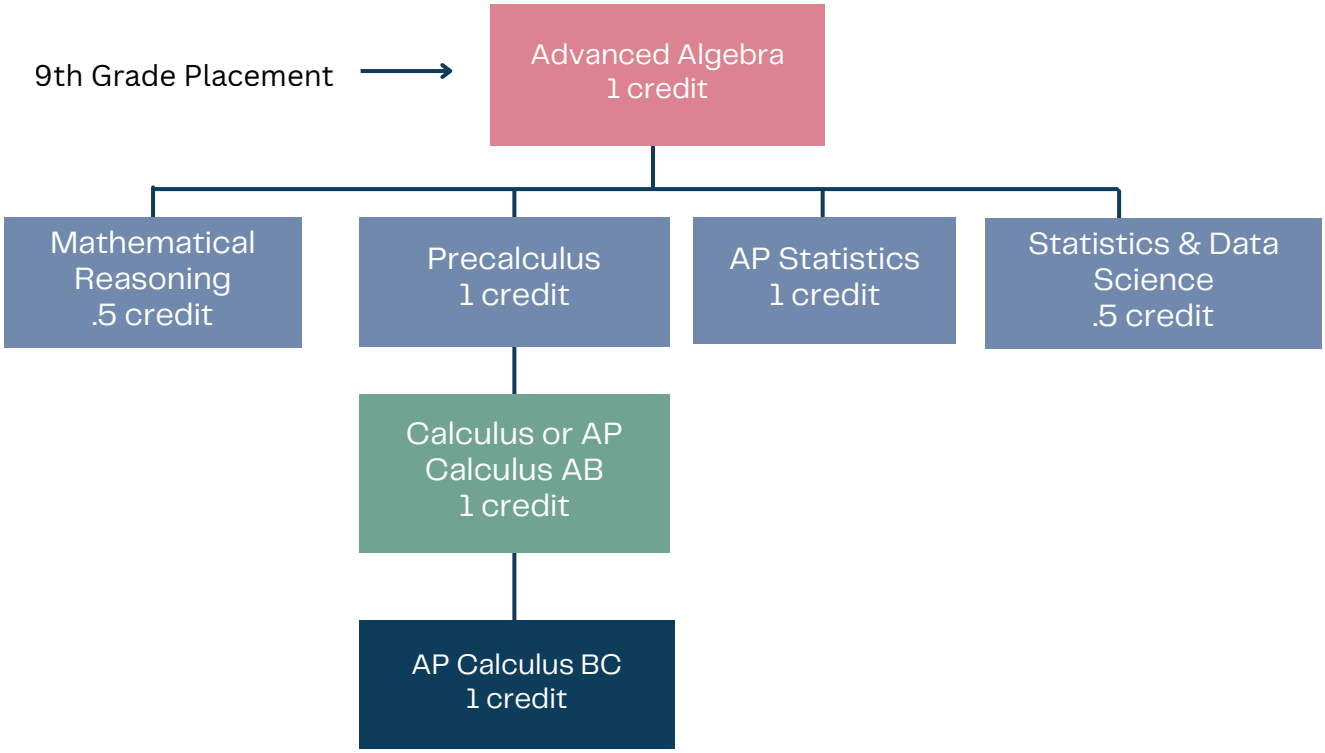
(continued) The students will analyze the form of a given film (its structure and related technical components), its content (the meaning or theme), and director's style. Film history will be included. This class emphasizes writing of varying types and group discussion. This course will meet the expectations of students who wish to engage in a serious study of film. Because this is a college preparatory course, students should be aware that the workload is demanding, with strict deadlines. Also, outside film viewing is required. Please be advised that school-board approved R-rated films are on the course syllabus. Also, students will be required to complete a culminating project at the end of the semester.

MATHEMATICS





MATHEMATICS



MATHEMATICS



Three credits of mathematics are needed for graduation. All freshmen are required to take & successfully complete a mathematics course. Please check the calculator requirements for your course.

Algebra 1, Geometry, & Advanced Algebra courses: The instructional approach of the core math classes (Algebra 1, Geometry, and Advanced Algebra) happens in three phases: engage, develop and demonstrate.

Engage: Activate student thinking by tapping into prior knowledge and real-world experiences. Provide an introduction that generates curiosity and plants the seeds for deeper learning.
Develop: Build a deep understanding of mathematics through a variety of activities. Students encounter real-world problems, sorting activities, worked examples, and peer analysis—in an environment where collaboration, conversations, and questioning are routine practices.
Demonstrate: Reflect on and evaluate what was learned. Ongoing formative assessment underlies the entire learning experience, driving real-time adjustments, next steps, insights, and measurements. Students MUST have their own scientific calculator.

ALGEBRA 1

(MAT61111/2)
N

Grades 9-12
1 credit

This course is designed to acquaint students with foundational Algebra skills through guided and open-ended mathematical explorations that help make sense of their experiences. Modules covered include searching for patterns, exploring constant change, investigating growth and decay, describing distributions, and maximizing and minimizing.

GEOMETRY

(MAT61211/2)
N

Grades 9-12
1 credit
Prerequisite: Successful completion of Algebra I or recommendation of the Mathematics Department

This course is designed to acquaint students with the properties of one-, two-, and three- dimensional figures in a plane and in space. Modules covered include reasoning with shapes, establishing proof, investigating proportionality, connecting geometric and algebraic descriptions, and making informed decisions.

N = NCAA Accepted

MATHEMATICS

ADVANCED ALGEBRA

(MAT61331/2)
N

Grades 9-12
1 credit
Prerequisite: Successful completion of Geometry or recommendation of the math department

This course is designed to acquaint students with extended function knowledge, ensuring trigonometry introductions for students to enter into Pre-Calculus, if interested. Following this course, students are able to take PreCalculus, AP Statistics, or Math Reasoning. **A graphing calculator (TI-83+ or TI-84+) is highly recommended.**

PRECALCULUS

(MAT61501/2)
N

Grades 10-12
1 credit
Prerequisite: Successful completion of Advanced Algebra

Precalculus topics include a review of functions and graphs; trigonometric functions; analytic trigonometry; additional topics in trigonometry; systems of equations and inequalities; matrices and determinants; conic sections and analytic geometry; sequences, induction, and probability; and a brief introduction to calculus. This course will prepare students for Calculus and Advanced Placement Calculus. **Students are encouraged to have their own TI-83+ or TI-84+ graphing calculator.**

CALCULUS

(MAT61531/2)
N

Grades 10-12
1 credit
Prerequisite: Successful completion of Precalculus

This class covers calculus concepts but not to the level of the AP Calculus AB course. Topics covered include extensive review of Pre-calculus concepts, limits, rate of change of a function, derivatives, applications of derivatives, integration, and applications of definite integrals. Students who have already taken AP Calculus AB may not enroll in this class, nor may students take this class and AP Calculus AB at the same time. However, students may take AP Calculus AB or BC upon successful completion of this course. Students are required to have their own TI-83+ or TI-84 graphing calculator.

AP CALCULUS AB

(MAT61511/2)
N

Grades 11-12
1 credit
Prerequisite: Successful completion of Pre-Calculus and Teacher Recommendation

This course is intended to prepare students for the advanced placement exam at the AB level. This level is equivalent to one semester of rigorous college calculus. Students who score well on the AP test in May can earn college credit in calculus. Topics covered include limits, rate of change of a function, derivatives, applications of derivatives, integration, applications of definite integrals, and the calculus of transcendental functions. **Students are required to have their own TI-83+ or TI-84+ graphing calculator. A TI-89 calculator will also suffice. This course requires a summer packet, the time estimated for homework each class period will vary between 30 to 90 minutes.**

N = NCAA Accepted

MATHEMATICS

AP CALCULUS BC

(MAT61521/2)
N

Grades 12
1 credit
Prerequisite: Successful completion of AP Calculus AB or Calculus

This class is designed to help students prepare for the Advanced Placement BC Calculus test. We review the main topics from Calculus 1 (rules and applications of integrals and derivatives), then extend these concepts to parametric equations, vector-valued functions, polar equations, sequences, and series. **Students are required to have their own TI-83+ or TI-84+ graphing calculator. A TI-89 calculator will also suffice. This course requires a summer packet, the time estimated for homework each class period will vary between 30 to 75 minutes.**

AP STATISTICS

(MAT61551/2)
N

Grades 10-12
1 credit
Prerequisite: Successful completion of Advanced Algebra

This course is intended to prepare students for the advanced placement exam. It is equivalent to a one-semester college course in introductory statistics. Students who score well on the AP test in May can earn college credit in Statistics. The course (and AP test) covers four main themes. The first theme is producing data. Students will learn about different types of studies, how to choose a sample, randomization and how to identify potential biases in a study. The second is organizing data. This will include a discussion on looking for patterns and departures from patterns in data through numeric and graphic summaries. The third theme is probability. After learning probability rules and models, students will use their knowledge to learn about inference—the ability to confidently make conclusions about data and how it might apply to a more general population. This last theme is the cornerstone of the course. Projects that apply the statistical procedures learned throughout the year will make the material learned meaningful and fun. **Students are required to have their own TI-83+ or TI-84+ graphing calculator.** A TI-89 calculator will also suffice. This course requires a summer packet, the time estimated for homework each class period will between 30 to 90 minutes.

MATHEMATICAL REASONING (DUAL CREDIT)

(MAT61900)
N

Grades 11-12
.5 credit
Prerequisite: Junior or Senior standing with successful completion of Advanced Algebra

All college students, regardless of their college major, need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning. A collaborative, activity-based approach is used in this course to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. (continues)

N = NCAA Accepted

(continued) This is a dual-credit Madison College course. Students who successfully complete this course can earn both MGHS and Madison College credit. As of the printing of this course handbook, this class meets the requirements to be deemed dual credit.

STATISTICS AND DATA SCIENCE

(MAT51000)
N

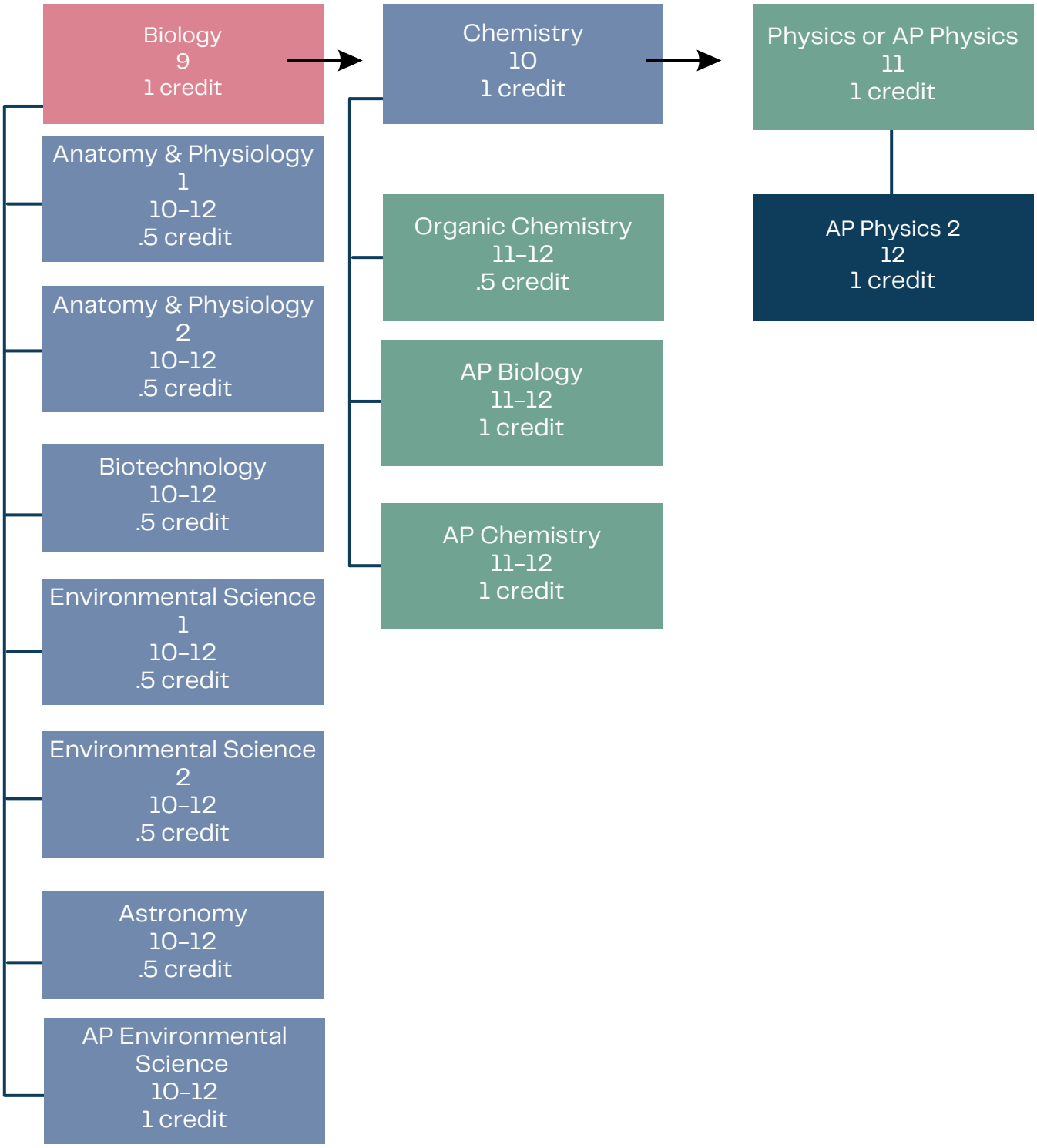
Grades 10-12
.5 credit
Prerequisite: Algebra 1, Geometry, Advanced Algebra

This course offers a comprehensive introduction to both statistics and data science, providing students with the skills to analyze and interpret real-world data. Topics covered include probability, data collection methods, statistical inference, and software that supports data analysis. Students will learn how to work with large datasets, visualize data trends, and use statistical software tools to solve problems. The course emphasizes hands-on projects that require students to apply mathematical concepts to actual data, fostering critical thinking and problem-solving abilities. By the end, students will be equipped with the knowledge to pursue further studies in mathematics, computer science, or any field that relies on data-driven decision-making.

SCIENCE

All students must take Biology, Chemistry and Physics / AP Physics as part of the required science course sequence.

All other courses are electives that can be taken after successful completion of prerequisites and/or at a specific grade level. See course descriptions for prerequisites.





The first three years in the science sequence focuses on the College Readiness Skills (CCRS) as outlined by the ACT. The CRS are general skills that focus on a student's ability to think critically and problem-solve. These are skills that all of our students will need to be equipped with when they graduate from high school, and thus, are integrated into our courses.

AP = Advanced Placement N = NCAA Accepted

REQUIRED SCIENCE COURSES

BIOLOGY

(SCI81111/2)
N

Grade 9
1 credit

The course begins with an introductory unit that explores the characteristics of life and develops essential scientific skills. During the first semester, students investigate the flow of energy and matter, as well as the complex ecological interactions within ecosystems. Broadening the perspective, the course then examines how energy and matter cycle throughout the biosphere as a whole. The semester concludes with a study of human body systems, enhanced by a hands-on dissection experience. Second semester encompasses a thorough study of genetics, protein synthesis, and evolution by natural selection. The course emphasizes college and career readiness skills at a level that is appropriate to the student.

CHEMISTRY

(SCI81281/2)
N

Grade 10
1 credit
Prerequisite: Successful completion of Biology

Chemistry is the second year of the three-year science requirement. The course begins with a thorough study of matter, atomic theory, and the Periodic Table. The first semester continues with the study of gasses and chemical reactions. Second semester begins with a more math based unit about stoichiometry. Second semester then encompasses deep dives into bonding, thermodynamics, and solutions. Laboratory techniques and safety are emphasized throughout the course. The course emphasizes college and career readiness skills at a level that is appropriate to the student.

PHYSICS

(SCI81381/2)
N

Grades 11-12
1 credit
Prerequisite: Successful completion of Chemistry

Physics is the final course in the science sequence which prepares students for the ACT examination taken by all of our students. Topics covered include interpreting laboratory data, velocity and acceleration, forces, gravitation, momentum, energy, renewable energy, and light and sound waves. (continues)

(continued) This course emphasizes college and career readiness skills at a level that is appropriate to the student. The students will travel to Great America/Six Flags in the spring to use the amusement park as a physics laboratory.

AP PHYSICS 1

(SCI88141/2)
AP N

Grade 11
1 credit
Prerequisite: Successful completion of Chemistry and Geometry. Must also be concurrently enrolled in Algebra II or an equivalent course

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy and power; and fluid dynamics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. AP Physics 1 continues to emphasize college and career readiness skills. Students will travel to Great America/Six Flags in the spring to use the amusement park as a physics laboratory. **Depending on your comfort with the material, students should plan on spending approximately 1 hour for each class period we meet. A summer review assignment covering essential mathematical skills will also be expected to be completed before the start of the school year.**

ADVANCED TOPICS IN SCIENCE ELECTIVES

ANATOMY & PHYSIOLOGY 1

(SCI81350)
N

Grades 10-12
.5 credit
Prerequisite: Successful completion of Biology

This Anatomy & Physiology course involves the study of the structures and functions of the human body. This course begins with a brief overview of all the body systems and introduction to anatomical language. Body systems to be explored include digestive, integumentary, cardiovascular, muscular, and respiratory. The concepts will be discovered and illustrated through lecture, text reading, dissection, and laboratory activities.

ANATOMY & PHYSIOLOGY 2

(SCI81360)
N

Grades 10-12
.5 credit
Prerequisite: Successful completion of Anatomy & Physiology 1

This Anatomy and Physiology course continues the study of the structures and functions of the human body. Body systems to be explored include nervous, immune/lymphatic, skeletal, endocrine, urinary, and reproductive. The concepts will be discovered and illustrated through lecture, text reading, dissections, and laboratory activities.

SCIENCE

ASTRONOMY

(SCI81390)
AP N

Grades 10-12
.5 credit
Prerequisite: Successful completion of Biology & Geometry

This one semester course provides the opportunity to develop knowledge and understanding about the solar system, galaxy, and universe we live in. Students use tools of observation to learn about space and learn how other astronomers past and present have used tools available. Areas of study include: daily, seasonal, and yearly motions of the sky, electromagnetic spectrum, birth of the solar system and universe, stellar astronomy and how stars change over time; and the fate of our universe. Basic algebra is required for this course.

AP BIOLOGY

(SCI81461/2)
AP N

Grades 11-12
1 credit
Prerequisite: Successful completion of Biology and Chemistry

AP-Biology is an advanced biology course covering much of the material of a first year college biology/zoology course, and is intended to prepare students who are interested in taking the AP Exam. The course builds on topics covered in freshman-level biology AND sophomore-level chemistry. Laboratory processes, analytical skills, and content are equally emphasized throughout the course, and combine to give students a deep understanding of biological concepts. Please note that this course is designed to cover all content requirements for the AP Biology exam and as such, moves at a fast pace. Students will take a field trip to BTCI to learn and utilize lab skills for manipulating DNA. Students should plan to complete readings and pre-lab work outside of class. Depending on comfort with the material, students should plan on spending approximately 1 hour for each class period we meet.

AP CHEMISTRY

(SCI81431/2)
AP N

Grades 11-12
1 credit
Prerequisite: Successful completion of Chemistry

AP-Chemistry is an advanced chemistry course covering much of the material of a first year college chemistry course to prepare students who are interested in taking the AP Exam. The course builds on topics covered in sophomore-level chemistry through more advanced problem solving and conceptual explanations for the behavior of matter. Laboratory techniques and safety are emphasized throughout the course. Please note that this course is designed to cover all content requirements for the AP-Chemistry exam and as such, moves at a fast pace; although it is difficult to estimate how much time an individual student may need to be successful, **interested students should plan on studying/completing practice or assignments approximately 1-1.5 hours outside of class for each class period we meet. A summer reading/review assignment covering the first three chapters of our textbook will also be expected to be completed before the start of the school year.**

N = NCAA Accepted

SCIENCE

AP PHYSICS 2

(SCI81421/2)
AP N

Grades 12
1 credit
Prerequisite: Students should have had AP Physics 1 or a comparable introductory course

AP Physics II is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum atomic and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. AP Physics 2 continues to emphasize college and career readiness skills. **Students will travel to Great America/Six Flags in the spring to use the amusement park as a physics laboratory. Students should plan to complete readings, problem sets and pre-lab work outside of class, approximately 1-1.5 hours for each class period we meet.**

AP ENVIRONMENTAL SCIENCE

(SCI81491/2)
N

Grades 10-12
1 credit
Prerequisite: Successful completion of Biology

AP Environmental Science is an introductory college-level course that explores a wide range of topics in the field of environmental science. In this course students will explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. This course will focus on applying science to real-world social and environmental problems. Laboratory and field investigation will be a focus of the course.Topics include: Ecosystems, Biodiversity, Land and Water Use, Energy Resources and Consumption, Pollution and Global Change. This course is intended to cover all the requirements for the AP Environmental Science exam and will move at a fast pace. Students should plan on reading/completing practices/taking notes for approximately 1 hour outside of class for each class period we meet.

BIOTECHNOLOGY

(SCI81340)
N, DC

Grades 10-12
.5 credit
Prerequisite: Successful completion of Biology

Many areas of our lives today are affected by the science of biotechnology from medical discoveries and treatments to areas as diverse as agriculture and waste treatment. Students enrolled in this semester course will participate in many hands-on labs to gain skills and experience in a variety of laboratory procedures. Topics covered will include bacteria and viruses, recombinant DNA technology, cloning, DNA forensics, and the moral and ethical issues that are related to the science and applications of biotechnology. *This is a dual-credit Madison College course. Students who successfully complete this course can earn both MGHS and Madison College credit. As of the printing of this course handbook, this class meets the requirements to be deemed dual credit.

N = NCAA Accepted
DC = Dual Credit

SCIENCE



ENVIRONMENTAL SCIENCE 1

(SCI81470)
N

Grades 10-12
.5 credit
Prerequisite: Successful completion of Biology

Topics covered: the World Food Crisis, algae blooms in Wisconsin lakes, the World's Freshwater Crisis, and Media Literacy & Climate Change. In each unit there is a focus on hands-on learning, and working together in groups.This course provides an in-depth understanding of how species interact with each other to make up ecosystems. Students will study the structure of ecosystems and biomes of the world. Furthermore, students will study freshwater ecosystems in depth, as well as the freshwater crisis. In all units, there is an emphasis on the impacts that humans have on ecosystems, as well as focus on problem solving and 21st century skills. This course has a large amount of group work which includes big projects, and is appropriate for students who have an interest in environmental science.

ENVIRONMENTAL SCIENCE 2

(SCI81480)
N

Grades 10-12
.5 credit
Prerequisite: Successful completion of Biology

Topics covered: Current environmental situation, environmental ethics, Honeybee crisis, Climate change and new energy technology. In each unit there is a focus on hands-on learning and working together in groups. The major goal of this course is to develop an understanding of the complex environmental problems facing society today. In this course students will explore a number of topics that will build on their understanding of ecosystems, how they work, and the impact of human actions on them. Topics will also include environmental ethics, honeybee crisis, climate change and alternative energy. This course has a large amount of group work which includes projects and is appropriate for students who have an interest in environmental science.

ORGANIC CHEMISTRY

(SCI81450)
N

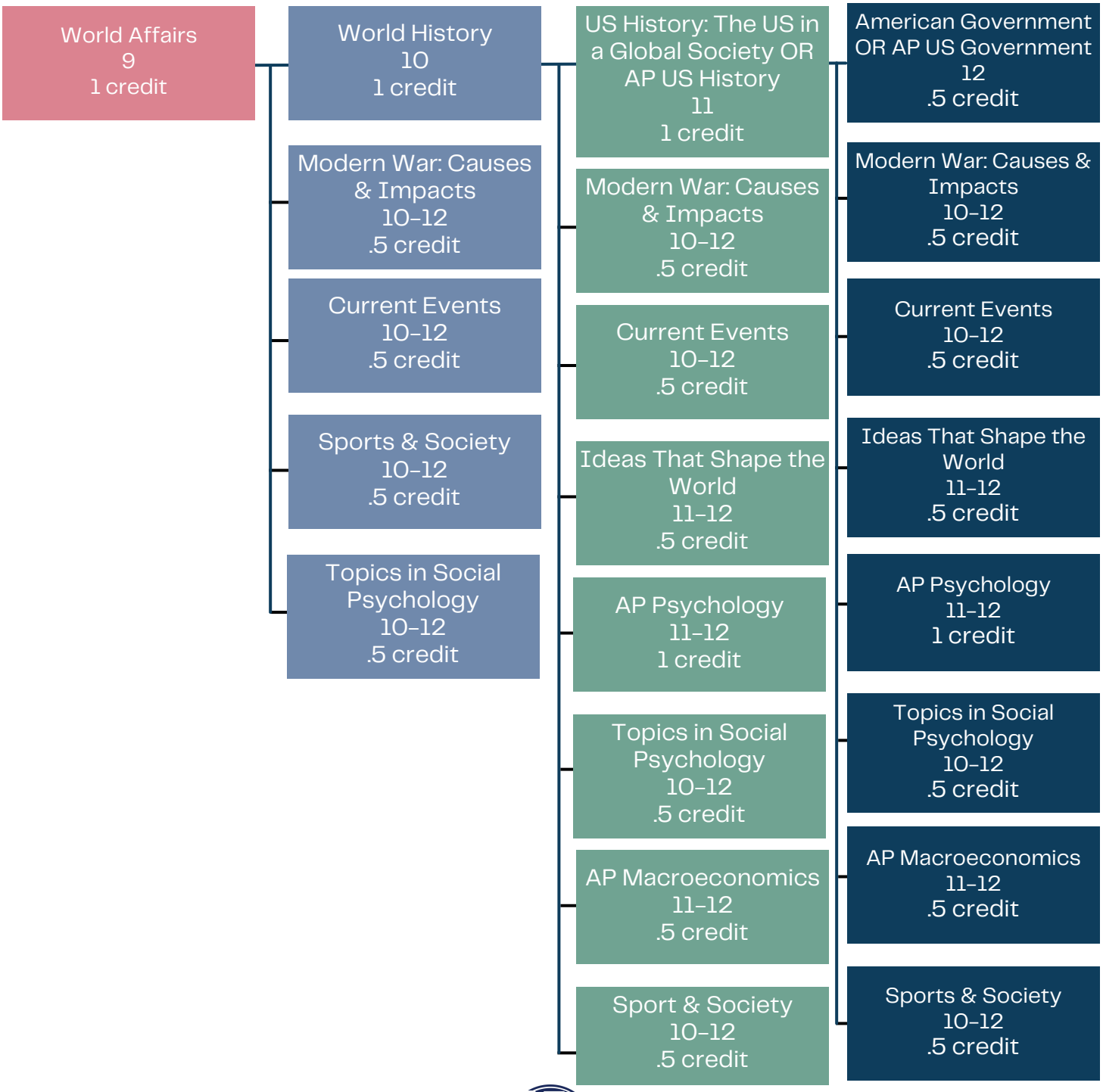
Grades 10-12
.5 credit
Prerequisite: Successful completion of Chemistry

Organic Chemistry is an introductory course to the college level equivalent. This course focuses on the molecular structure and function of many of the basic groups of organic compounds such as saturated and unsaturated hydrocarbons, and aromatic compounds. We will look at the reactions these groups undergo that allows for the synthesis of other groups like alcohols, aldehydes, ketones, ethers, carboxylic acids, and esters. Laboratory experiments will be used to teach separation and purification techniques as well as to look at synthesizing molecules and how the presence of molecules can be experimentally verified.

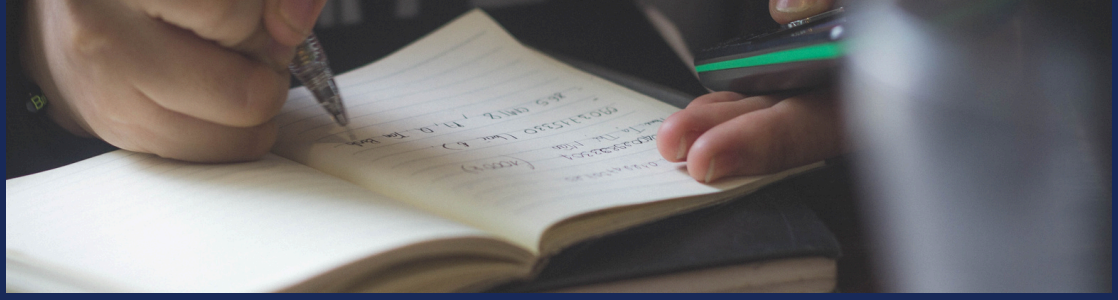
N = NCAA Accepted

SOCIAL STUDIES

Three and one-half credits of social studies, including government, are required to graduate. The social studies program consists of full-year required courses for freshmen, sophomores, and juniors and a required semester course in American government for seniors. In addition, elective courses are offered to sophomores, juniors, and seniors, but these may not be taken to fulfill the three and one-half year social studies requirement. **All students, and especially those who plan to attend a four-year college, should seriously consider taking social studies elective courses.**



SOCIAL STUDIES



AP = Advanced Placement N = NCAA Accepted

REQUIRED SOCIAL STUDIES COURSES - FULL YEAR

FRESHMAN COURSE

WORLD AFFAIRS

(SOC91101/2)
N

Grades 9
1 credit

World Affairs is a year-long course that will help students better understand the global community through the overarching themes of identity, movement, power, and resources. Specific units of study will include: Human Rights; Resources and Climate; Migration and Movement; Innovation, Internet, and the Digital Age; Globalization and Commerce; Security, Defense, and Terrorism; Cultural, Ethnic, and Religious Conflict; and Changemakers in the World. This course will have an emphasis on reading, writing, discussion, and research skills.

SOPHOMORE COURSE

WORLD HISTORY

(SOC92141/2)
N

Grade 10
1 credit

A year-long course which will look at various regions of the world, focusing on history, geography, and important events that shape our modern world.. By looking at historical concepts in a thematic way, as opposed to a simple chronological approach, students are able to understand the greater historical narrative. This gives the student the opportunity to look for trends, patterns, and the development of the modern world over time, which translates into the opportunity to develop critical thinking, understanding, and reasoning for today's world. We will work on reading, writing, discussion, and research skills, as well as study skills, presentation skills, and using technology to deepen our understanding of the issues which affect our daily lives.

JUNIOR COURSES

US HISTORY: THE US IN A GLOBAL SOCIETY IN THE 20TH & 21ST CENTURIES

(SOC93351/2)
N

Grade 11
1 credit

This is a year-long course that uses the social studies disciplines of history, political science, and economics to understand issues that current conditions in the United States are based in large part on crucial developments throughout United States History. By studying units thematically, students gain an understanding of change over time using a wide variety of primary and secondary sources, and independent research projects that cover America across various time periods. Students explore important issues to understand how recent events shaped the society in which we live.

SOCIAL STUDIES

OR

AP UNITED STATES HISTORY

(SOC91311/2)
AP N

Grades 11
1 credit

AP United States History (APUSH) is the class for you if you thoroughly enjoy United States history and/or relish an academic challenge. Through both primary and secondary sources, students will study not only the who, what, when, and where of history, but, more importantly, the why and how. This full year course addresses major themes in United States history from colonization through the early 2000's. Central themes of the course include the growth of participatory democracy, the role of ethnic and minority groups, the role of women, dissent and dissenters in American life, economic driving forces in American history, and the search for equality under the law. Course content will range from traditional political and economic history to discussions of social history—the lives of everyday people in the context of their historical time period. Students will have the option of taking the APUSH test in May and those who score well can earn college credit in United States history for their efforts. **Average weekly homework : 3-4 hours. Required summer work: 8-10 hours.**

REQUIRED SOCIAL STUDIES COURSE - SEMESTER

AMERICAN GOVERNMENT

(SOC91500)
N

Grade 12
.5 credit

Students in this course will examine the origins of our system of government, the roles of the three branches of government, the protections offered by the Bill of Rights and how the political process and voter behavior shape public policy. Through a variety of educational activities that emphasize current events, students will learn not only how the system works, but also how they fit into the system as citizens.

OR

AP US GOVERNMENT & POLITICS

(SOC91510)
AP N

Grade 12
.5 credit

Students with a **strong interest** in American government and the **desire to challenge themselves academically** may choose this course rather than the traditional course in government. Both classes examine the origins of our system of government, the roles of the three branches of government, the protections promised by the Bill of Rights, the political process, and voter behavior. Students in this college lecture style AP course will delve deeper into these topics to develop an understanding of the relationships among the formal and informal actors of government. **This course emphasizes vocabulary and reading analysis** and should prepare students to take the AP Government exam in May. Students who score well may earn college credit. If interested please see Mr. Gudgel with questions. Average weekly homework : 3-5 Hours Required summer work: 8-10 Hours

N = NCAA Accepted

SOCIAL STUDIES

CURRENT EVENTS

(SOC91250)
N

Grades 10-12
.5 credit

This semester course is intended for students who have an interest in current events. Answering the basic questions of who, what, when, where, and why, students will discover and discuss national and world events as they happen. Online news sources, television news programs, social media/newspapers, and current events magazines will provide additional information for discussion of topical issues. If students want to find out what's going on, this course is for them!

MODERN WAR CAUSES & IMPACTS

(SOC91220)
N

Grade 10-12
.5 credit

This semester class uses documentaries, dramatic movies, class discussions, and course readings (there is no textbook) in an effort to convey both the glory and horror of war and to understand war in the broad sense—not just battles and military heroes. As a result, the emphasis in this course will be on the causes of war, the effects of war, propaganda, the human impact , and other topics related to war in the 20th and 21st centuries that make students both think and feel. By the end of this course, students should be asking themselves: Who are the heroes in war? Who are the victims? What has been won? What has been lost? *Course readings are extensive and do require a time commitment outside of class. **This class is intended for ALL students!**

IDEAS THAT SHAPE THE WORLD

(SOC91230)
N

Grade 11-12
.5 credit
Prerequisite: Grade 10 only with consent of department

This semester course uses readings and discussion to explore the ideas that have shaped our views of the world. Students are introduced to influential thinkers such as Socrates, Plato, Siddhartha Gautama, Henry David Thoreau, Daniel Quinn, and George Carlin. Discussions address such timeless issues as identity, language, gender, religion, justice, the role of man in the state and the effects of technology on our culture. Students should bring an open mind, a willingness to contribute to classroom discussions, and a desire to consider what they believe and why. Topics in this course include some mature themes. Several films and film clips will be shown, some of which are rated R.

SPORTS & SOCIETY

(SOC91560)

Grade 10-12
.5 credit

This class will go beyond the statistics and box scores of the sporting world and dive into topics related to sports in society, such as women in sports, race, class, media, violence, and social justice. Students will look at these issues by studying sport at different levels, including the youth, high school, and professional levels. While many might be surprised that these issues exist in the sporting world, this class will grapple with how sports are a reflection of society. Students more interested in social issues than sports are encouraged to take this course. This class is discussion based, as we look at the topics mentioned above through movies, video clips, course readings, and guest speakers. Later in the semester, students will have the opportunity to explore a topic of their own interest.

N = NCAA Accepted

SOCIAL STUDIES

AP MACROECONOMICS

(SOC91700)
AP N

Grades 11-12
.5 credit
Prerequisite: Strong interest in business, finance or economics

This semester course focuses on macroeconomics. Major topics studied include supply and demand, inflation, unemployment, gross domestic product, fiscal policy, monetary policy, the federal budget, and international trade. Emphasis is placed on critical thinking skills through the understanding, application, and analysis of basic economic concepts and the current state of the U.S. economy. In May, students will have the option of taking the AP Macroeconomics test. Students who score well may earn college credit in economics. **AP Macroeconomics is a course that requires 1 – 1.5 hours of work outside of class for every class period that we meet. Please see Mr. Jefferson if you are curious, he'd love to meet with you and answer any questions. Students who are considering a career in business should give serious thought to taking this course.**

TOPICS IN SOCIAL PSYCHOLOGY

(SOC91950)
N

Grade 10-12
.5 credit

Topics in Social Psychology is a one-semester course focusing on the scientific study of the way people think about, feel, and behave in social situations. It involves understanding how people influence, and are influenced by others around them. A primary goal of this course is to introduce the perspectives, research methods, and empirical findings of social psychology. Topics to be covered include: Conformity, Aggression, Attraction and Relationships, Conflict and Peacemaking, Group Influence, Persuasion, and Prejudice and Stereotyping, among others. Students who have taken or are planning to take AP Psychology should not register for this course.

AP PSYCHOLOGY

(SOC91911/2
AP N)

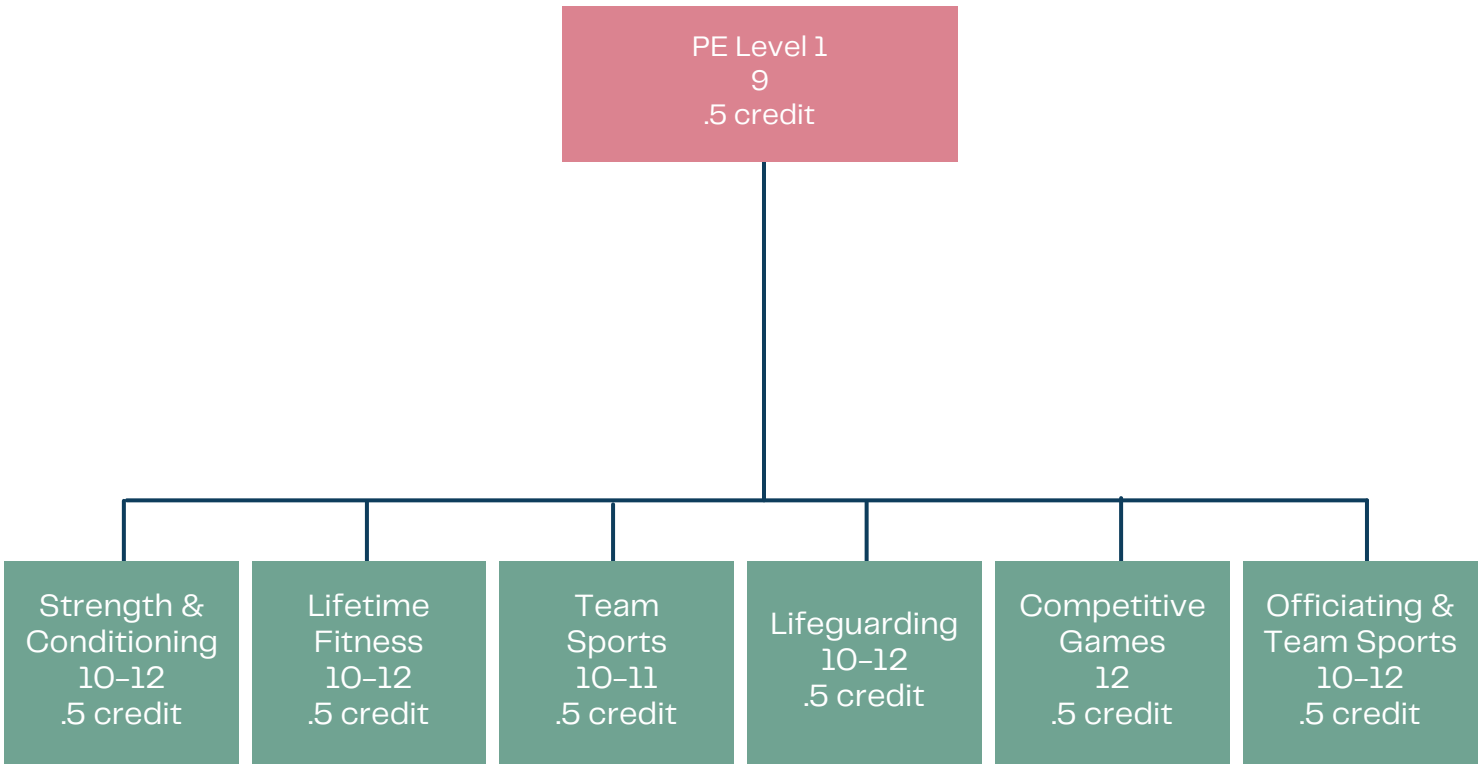
Grade 11-12
1 credit
Prerequisite: Science background or high interest in psychology

This college level introductory course is designed to introduce students to the scientific study of human behavior and mental processes. Students are exposed to the facts, principles, and phenomena associated with the major subfields within psychology. Topics studied include experimentation, the brain, human development, sensation and perception, psychological disorders, therapy, cognition, and social psychology. Students will also learn about the methods psychologists use in their science and practice. College credit may be earned by passing an advanced placement test given at the high school in May. **AP Psychology requires approximately 3 hours of work outside of class per week.**

N = NCAA Accepted

PHYSICAL EDUCATION

One and one-half credits of physical education are required for graduation. Students are required by the State of Wisconsin to take one semester of physical education in **three different years to fulfill their graduation requirement**. Students should take only one semester of physical education in each of their 9th grade and 10th grade years. All freshmen are required to take PE Level 1 (PE Level 1 is designed to introduce students to Lifetime Fitness, Individual Sports, Team Sports, Strength/Conditioning, and Aquatics). During grades 10-12 students can select any of the PE courses listed categorically by grade below. Strength and Conditioning, Lifetime Fitness, and Lifeguarding will include students in grades 10-12, while Team Sports will include students in grades 10 and 11. Classes may be taken more than one time (except PE 1 and WSI/Lifeguarding) to fulfill a student's graduation requirement. **No students are allowed to take more than one PE course per semester.**



PHYSICAL EDUCATION



PE LEVEL 1

(PED84110)

Grade 9
.5 credit

This course is a semester course. Core curriculum instruction will be given in activity skills. Activities may include pickleball, track and field, ultimate frisbee, soccer, speedball, softball, basketball, swimming, weight training, aerobics, low organized games, biking, possibly some alternative offerings due to facility availability. Students will be evaluated on cognitive awareness of skills, rules, and strategies for each activity. Emphasis is on the improvement of physical fitness through a variety of team/individual sport and fitness related activities. **If a student fails level 1 physical education, the student is required to make up level 1 physical education.** PE Level 1 is a prerequisite for all other Physical Education courses.

LIFETIME FITNESS

(PED85000)

Grades 10-12
.5 credit | $20 Course Fee

Lifetime Fitness is designed for students who want to explore options for improving and maintaining their individual fitness levels through a variety of activities. The goal of this course is to give students both the knowledge and the physical skills to develop and continue good lifetime fitness habits. Emphasis in this class will be more on development of a spirit of cooperation and good sportsmanship rather than on fostering a sense of competition. Units/Activities may include strength training, recreational individual sports, recreational team sports, walking, yoga, self defense, dance, biking, and low organized games.

STRENGTH & CONDITIONING

(PED85010)

Grades 10-12
.5 credit

This course is a semester-long course. Strength & Conditioning provides an introduction and progression into various strength and conditioning practices/techniques for individuals who are looking to increase their strength, speed, and power. Students will participate in daily warmups, speed, agility, change of direction, and strength exercises provided by the instructor. This class will utilize outdoor and indoor facilities including the outdoor turf field, indoor gymnasium, and the weight room. Students will spend some class time participating in traditional physical education games/activities.

TEAM SPORTS

(PED85020)

Grades 10-11
.5 credit

This course is a semester course and completes the physical education requirement. The goal of Team Sports is to give students the opportunity to participate in a variety of team sports while taking on a variety of roles (teammate, captain, assistant). (continues)

PHYSICAL EDUCATION

(continued) We will spend some class time preparing for the team competition for each unit. It is our goal that you learn what it takes to be a teammate and a positive contributor throughout the semester as well as improve your present level of fitness. You will have many opportunities to become more fit and have fun but you must take ownership if this is going to happen. Come to class ready to be an active participant, learner and teammate. Activities may include flag football, speedball, softball, basketball, killer kickball, 3 ball battle ball, tennis, volleyball, badminton, swimming, and many more. Racket activities and additional team sports will be included in this course. Students will be evaluated on cognitive awareness of skills, rules, and strategies for each activity. Emphasis is placed on the improvement of physical fitness, carry-over lifetime skills, and developing social skills.

COMPETITIVE GAMES & SPORTS (PED84410)

Grades 12
.5 credit | $20 Course Fee
Prerequisite: Grade 12 and have completed the required physical education offerings at levels 1, 2, and 3.

This course is one semester. Students will select possible activities for participation from the following: softball, tennis, ultimate frisbee, football, soccer, Frisbee golf, basketball, volleyball, badminton, bowling, golf, team handball, and weight training. Other possible offerings will be dependent on facility availability and equipment. Other future activities may be added if there are high interest levels.

LIFEGUARD CERTIFICATION (PED74420)

Grades 10-12
.5 credit

Prerequisite for lifeguarding:

- Swim 300 yards continuously front crawl and/or breaststroke with breath control and rhythmic breathing
- 2 minutes of treading water with legs only. (hands stay under armpits)
- 10 LBS brick challenge includes 20 yard swim, brick recovery from bottom, 20 yard swim holding brick with head not going underwater

Other Requirements & Information
Age 16 by the end of fall semester
Open to 10th, 11th, and 12th Grade Students
Minimum of 28.50 hours of actual full participation for Lifeguard Certification
This course will be .50 of high school PE credit and will be a semester in length
This course will fulfill the PE 2 or PE 3 requirements
This course will be limited to the first 15 qualified applications received
This course will be taught by PE instructor
Cost Requirements: $48 for Lifeguard Certification

PHYSICAL EDUCATION

OFFICIATING AND TEAM SPORTS (PED74600)

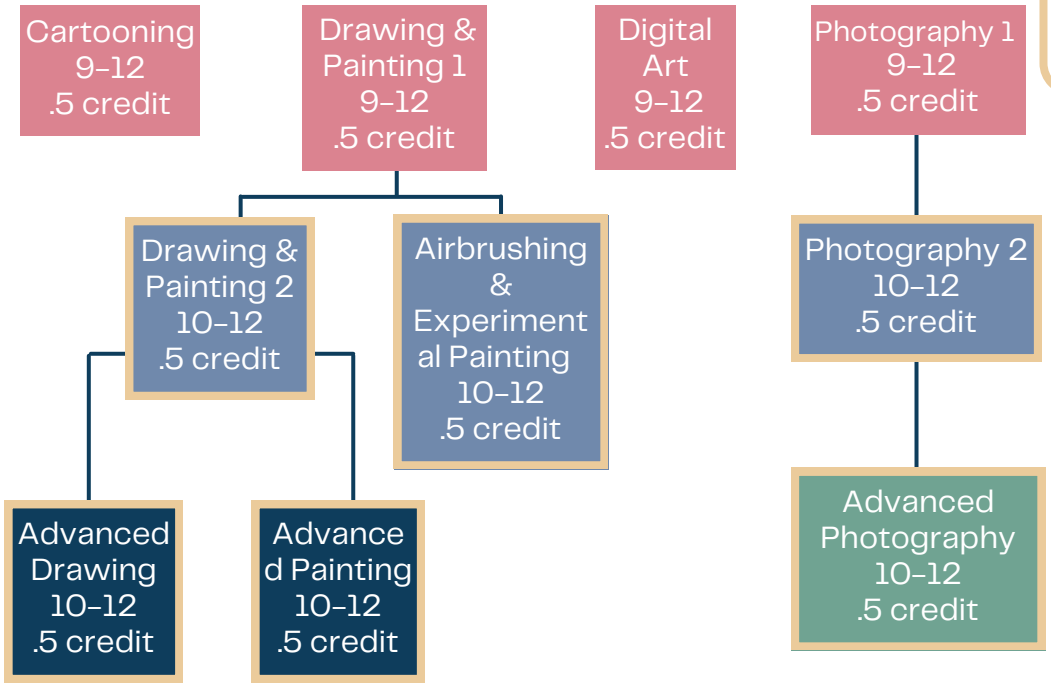
Grades 10-12
.5 credit

This course is a semester course and completes the physical education requirement. The goal of Sports Officiating + Team Sports is to give students the opportunity to participate in a variety of team sports while taking on a variety of roles (teammate, captain, coach, and official). Each unit will encompass the learning of official sport/activity rules, team competition, and students will spend time as both an official and participant. The goal of Sports Officiating + Team Sports is for students to learn & demonstrate the necessary skills to be a teammate & positive contributor to the classroom environment while learning and executing the official rules of the game in their status as an official. Students will be expected to obtain a WIAA officials license in one or more sanctioned sports and may be required to perform as a WIAA official for Monona Grove High School.

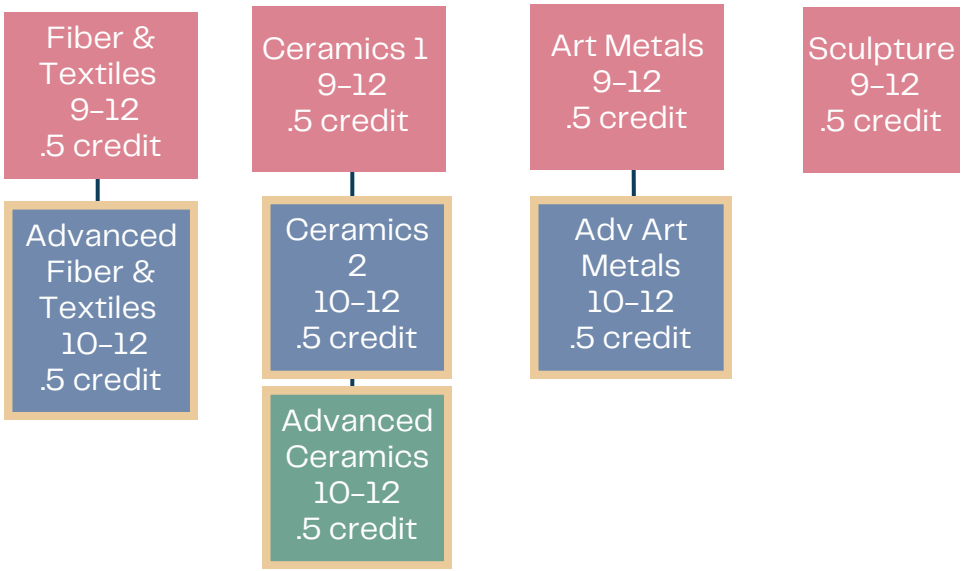
ELECTIVES: ART

INDICATES THIS COURSE IS A PATHWAY TO AP ART

2D



3D



AP Art

ELECTIVES: ART



AIRBRUSHING & EXPERIMENTAL PAINTING (ART01220)

Grades 10-12
.5 credit | $35 Course Fee
Prerequisite: Drawing/Painting 1

This semester-long course introduces students to the world of airbrushing. This course offers students the ability to explore different mediums in painting. Students may choose to work in a variety of media such as airbrushing, water based paint, oil paint, ink, collage, or a combination of media. This course gives students an opportunity to grow and develop their best creative selves.

CARTOONING & GRAPHIC NOVELS (ART01430)

Grades 9-12
.5 credit | $35 Course Fee

This semester-long course is designed for students with interest in cartooning and creative forms. This course will focus on character expression and storytelling through drawing.. Graphic Novels and 'Toon Art includes group, partner, and individual projects. No previous cartooning/drawing experience is necessary, all students are welcome!

CERAMICS 1 (ART01400)

Grades 9-12
.5 credit | $35 Course Fee

In this semester-long class, students will build their skills working with clay. This is a beginner level course, focused on handbuilding and wheel throwing techniques. No prior experience with clay is needed for this course, all students are welcome! All projects are designed to develop critical thinking, reflection, and creative problem solving while applying technical skill.

After completing this class, students looking to continue developing their ceramics skills should enroll in Ceramics 2.

CERAMICS 2 (ART01410)

Grades 10-12
.5 credit | $35 Course Fee
Prerequisite: Ceramics 1

Students will continue to explore the ceramic processes, with an emphasis on refinement of techniques and forms. Students will assist other students and take responsibility for some studio processes.

ELECTIVES: ART

ADVANCED CERAMICS (ART01420)

Grades 10-12
.5 credit | Course can be taken multiple times for credit
Prerequisite: Ceramics 2

In this semester-long class, students will continue to grow the skills they have developed in Ceramics 1 and 2. These advanced students will learn new techniques, creating complex forms and surface treatment processes. Students have a lot of creative freedom in this course to design projects and build their own artistic voice. This course is a pathway to AP Art. After receiving a passing grade in this course, students can enroll in Advanced Ceramics again, or progress to AP 3D.

DIGITAL ART (ART01950)

Grades 9-12
.5 credit | $35 Course Fee

In this semester-long class, students learn to create artwork and digital illustrations through computer graphic programs. Students learn foundational skills in Adobe Photoshop and Adobe Illustrator. Previous computer experience is helpful but not necessary. This course coordinates well with Graphic Design.

SCULPTURE (ART01110)

Grades 9-12
.5 credit | $35 Course Fee

This semester-long class is an introduction to basic sculptural techniques in a variety of media, not including clay. No previous sculptural experience is necessary, all students are welcome! Students will have a hands-on experience creating 3 dimensional artworks.

DRAWING & PAINTING 1 (ART01100)

Grades 9-12
.5 credit | $35 Course Fee

This semester-long course is a prerequisite to all subsequent 2-Dimensional Art courses. This course is a general introduction to major concepts and techniques needed for drawing and painting. Experience and basic skills in these areas are emphasized along with practice connecting, responding to, and presenting drawings & paintings. Work in the areas of design, drawing, and acrylic painting is presented to allow the student a basis for selecting other art courses. After completing this class, students looking to continue developing their drawing/painting skills should enroll in Drawing and Painting 2, airbrushing, or cartooning.

DRAWING & PAINTING 2 (ART01200)

Grades 10-12
.5 credit
Prerequisite: Drawing & Painting 1 | $35 Course Fee

This semester-long course is designed to develop drawing skills in a variety of media such as pencil, colored pencil, chalk pastel, charcoal, pen and ink, brush and ink, and oil pastel. Fundamentals of drawing including sketching, perspective, creating a light source. Still life and composition will be stressed along with an art history component. (continues)

ELECTIVES: ART

(continued) Figure drawing, portraiture, and painting techniques will also be included. Both skill and expression will be emphasized.After completing this class, students looking to continue developing their drawing/painting skills should enroll in Advanced drawing or Advanced Painting.

ADVANCED DRAWING (ART01210)

Grades 10-12
.5 credit
Prerequisite: Drawing 2/Drawing & Painting 2 | $35 Course Fee

This semester-long course focuses on advanced drawing and design techniques in a variety of media including pencil, colored pencil, pen and ink, charcoal, chalk pastel, oil pastel, and scratchboard. Advanced figure drawing, portraiture and projects in mixed drawing media will be explored. An art history component will be included. There will be a focus on developing and refining individual style along with an emphasis on skill and expression.This course is a pathway to AP Art. After receiving a passing grade in this course, students can enroll in Advanced Drawing or painting again.

ADVANCED PAINTING (ART01330)

Grades 10-12
.5 credit
Prerequisite: Painting/Drawing.& Painting 2 | $35 Course Fee

This semester-long course focuses on advanced techniques in watercolor, acrylic and oil will be introduced, as well as an art history component including impressionism and expressionism. Students will be encouraged to further develop their own personal style which will be reflected in their project selections.This course is a pathway to AP Art. After receiving a passing grade in this course, students can enroll in Advanced Drawing or painting again.

ART METALS (ART01700)

Grades 9-12
.5 credit | $45 Course Fee

In this semester-long class, students will learn the basics of working with metal to create wearable and small sculptural metal artworks. No previous experience with metal is needed, all students are welcome! Students should expect to work with saws, files, drills and torches to complete their projects in this class.
After completing this class, students looking to continue developing their art metals skills should enroll in Advanced Art Metals.

ADVANCED ART METALS (ART01710)

Grades 10-12
.5 credit
Prerequisite: Art Metals 1 | $45 Course Fee

In this semester-long course, students will build on the skills developed in Art Metals 1. Students have a lot of creative freedom in this course to design projects and build their own artistic voice.

This course is a pathway to AP Art. After receiving a passing grade in this course, students can enroll in Advanced Art Metals again, or progress to AP 3D.

ELECTIVES: ART

FIBER & TEXTILES (ART01800)

Grades 9-12
.5 credit | $35 Course Fee

In this semester-long course, students will learn about working with fibers and textiles as an artistic medium for expression. We will consider the role that textiles play in our everyday lives and investigate the ways that fiber crafts connect cultures and communities. We will explore a variety of hands-on skills such as needle felting, sewing, patchwork, knitting, punch needle, embroidery and other fiber related crafts. Students will create their textile projects through the lens of sustainability, self care and artistic problem solving.

After completing this class, students looking to continue developing their fiber/textiles skills should enroll in Advanced Fiber & Textiles.

ADVANCED FIBER & TEXTILES (ART01810)

Grades 10-12
.5 credit | $35 Course Fee
Prerequisite: Fiber & Textiles 1

This semester long class is an extension of the fiber techniques and skills introduced in Fiber and Textiles 1. Students will continue developing their artistic practice through the lens of sustainability, self care and artistic problem solving. We will dive deeper into topics such as needle felting, wet felting, sewing, knitting, weaving, natural dyeing and other fiber crafts. In addition, students will learn more about the specific characteristics of various fibers and how to blend and prepare them for spinning yarn.

This course is a pathway to AP Art. After receiving a passing grade in this course, students can enroll in Advanced Fibers again, or progress to AP 2D or 3D.

PHOTOGRAPHY 1 (ART01900)

Grades 9-12
.5 credit | $35 Course Fee

This semester-long course is for students looking to improve their photography skills. Students will learn the basics of digital and film photography. Digital units are aimed at helping students understand current technology, digital cameras and editing software. Film units will introduce the analog aspects of photography- from developing film to printing actual black and white photos in the darkroom. Throughout the class, students will focus on improving their picture-taking skills such as composition, lighting and staging, as well as understanding how cameras work. Students will need access to a digital and a 35mm film camera for this course. More information will be shared by the instructor at the beginning of the semester.

PHOTOGRAPHY 2 (ART01900)

Grades 10-12
.5 credit | $35 Course Fee
Prerequisite: Photography 1

This semester-long course will build off of skills learned in Photo 1, and give students opportunities to refine their skills in both digital and film formats. Focus will be on expanding creative possibilities of photography, to build student's technical skills and their unique creative voices. (continues)

(continued) Topics may include portrait lighting, cyanotype, street photography, double exposure and product photography.

Students will need access to a digital and a 35mm film camera for this course. More information will be shared by the instructor at the beginning of the semester.

This course is a pathway to AP Art. After receiving a passing grade in this course, students can continue with Advanced Photography, or progress to AP 2D.

ADVANCED PHOTOGRAPHY (ART01920)

Grades 10-12
.5 credit | $35 Course Fee
Prerequisite: Photography 2

This semester-long course continues to build off skills taught in Photo 1 & 2. Students will continue to refine their skills in both digital and film formats. Focus will be on learning special techniques in camera operation; specifically effects obtained by manipulating the shutter speed and aperture. Students will also continue to build their creative Topics may include long exposure, light painting, macro, bokeh, digital cyanotype and self directed projects.
Students will need access to a digital and a 35mm film camera for this course. More information will be shared by the instructor at the beginning of the semester.

This course is a pathway to AP Art. After receiving a passing grade in this course, students can enroll in Advanced Photography again, or progress to AP 2D.

AP ART: 2D, 3D OR DRAWING

Grades 11-12
1 credit | $35 Course Fee
Prerequisite: Completion of an upper level course related to their portfolio media of choice. (Students can be approved by the instructor on a case by case basis) **Year long course**

AP Art is a year-long class focused on helping students develop their creative voice and expression through the mediums of their choice. Throughout the year, students will create art through the process of inquiry; by asking questions and learning through the process of creation. Students will support each other's artistic growth through critiques and discussion. At the conclusion of the class, students will submit their portfolios to the College Board for evaluation. This class is not only for future art/design majors-all students in the class will walk away with important college readiness skills such as critical thinking, collaboration, goal setting and communication.

Interested students should choose one of the following portfolio types:
-AP 2D Art & Design (ART01511/2)
-AP 3D Art & Design (ART01611/2)
-AP Drawing (ART01711/2)

Technically any medium can work in any of the portfolio types, but most students use the guidelines below. (continues)

ELECTIVES: ART

(continued) AP 2D Art & Design (ART01511/2)
Most students in this portfolio are working in Photography, Illustration, Painting, Mixed Media or Fibers (if the work is mainly 2D). In addition to developing their sustained investigation throughout the year, students will create works that demonstrate strong use of 2-dimensional elements such as line, shape, space, texture, color, value; and principles such as rhythm, movement, proportion, emphasis, contrast, repetition, and juxtaposition.

AP 3D Art & Design (ART01611/2)
Most students in this portfolio are working in Ceramics, Metals, Sculpture or Fibers (if the work is mainly 3D). In addition to developing their sustained investigation throughout the year, students will create works that demonstrate strong use of 3-dimensional elements such as form, shape, space, texture, color, volume; and principles such as rhythm, movement, proportion, emphasis, contrast, repetition, and juxtaposition.

AP Drawing (ART01711/2)
Most students in this portfolio are working in drawing mediums such as graphite, charcoal, ink, pastel, colored pencil, or watercolor. In addition to developing their sustained investigation throughout the year, students will create works that demonstrate strong use of drawing skills such as mark-making, line, surface, space, light and shade and composition.

ELECTIVES: BUSINESS EDUCATION

Practical Law
10–12
.5 credit

Accounting 1 10–12
1 credit

Accounting 2
11–12
1 credit

Microsoft Office & Keyboarding
9–10
.5 credit

Personal Finance
12
.5 credit

***Graduation Requirement**

Exploring Business & Marketing Concepts
9–10
.5 credit

Leadership Development
11–12
.5 credit

Publication Design
9–12
.5 credit

Yearbook Design & Publication
10–12
.5 credit/ semester

ELECTIVES: BUSINESS EDUCATION



ACCOUNTING 1 (BUS21301/2)

Grades 10-12
1 credit

Accounting is a one-year course that teaches basic accounting principles and procedures. Students learn how to set up and maintain an accounting system for a service business and a merchandising business. Emphasis in the course is placed on learning how to use various types of journals, ledgers, worksheets, and financial statements. In addition, payroll systems, checking accounts, sales tax, bad debts, depreciation, notes and interest, and accrual accounting are presented. Accounting for a partnership and corporation is introduced. Two business simulations done during the year help to provide a realistic atmosphere for integrating the principles and concepts learned. Accounting is a **must** for students planning a career in the field of business or marketing occupations.

ACCOUNTING 2 (BUS21311/2)

Grades 11-12
1 credit
Prerequisite: Accounting 1

Accounting 2 continues teaching the principles learned in Accounting 1. Topics covered include Notes Receivable, Inventory, Investments and Depreciation in addition to review of journals, ledgers, cash payments, sales, accounts receivable and payable, business reports, payroll records, and taxes. . The study of a second year of accounting is an excellent background and preparation for college business and accounting courses and business majors as well as being a helpful qualifier for jobs in the business field. In addition, the cost, budgeting, and financial analysis topics are useful tools for the new entrepreneur. Workbook problems and online coursework are used for a practical approach to learning.

MICROSOFT OFFICE & KEYBOARDING (BUS21220)

Grades 9-10
.5 credit

Effective communication via prepared documents, presentations, and data-based spreadsheets is an imperative skill in the world of business and marketing. In this course, students will use computers as a tool to explore the Microsoft Office Suite. In addition to learning about Word, PowerPoint, and Excel, students will also work daily on mastering the life-long skill of keyboarding. Computer application skills are an absolute necessity for work in the future.

ELECTIVES: BUSINESS EDUCATION

EXPLORING BUSINESS & MARKETING CONCEPTS (BUS21000)

Grades 9-10
.5 credit

Exploring Business is an excellent introductory course that is designed for students planning future studies in business courses. This course will expose students to concepts and career opportunities in the business world. Areas of study may include: entrepreneurship and business ownership, professionalism and business communication, saving and investing, accounting, human resources, economics, management, and marketing. This course will be taught through multimedia lectures, investigative Internet research, and hands-on individual and group projects that allow you to be creative and apply what you've learned to real life situations. Many of the concepts learned in Exploring Business will be applicable to classes that students can take as sophomores, juniors, and seniors. These classes include Personal Finance, Marketing Principles, Sports and Entertainment Marketing, Accounting, Computer Applications, Desktop Publishing, and Webpage Design.

PERSONAL FINANCE (BUS21340)

Grades 12
.5 credit

Financial literacy is essential in meeting the financial challenges students will face in the future. Students will learn basic principles of economics and best practices for managing their own finances. In addition, students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. Topics covered are: Budgeting, Banking, Taxes, Insurance, Credit, and Investments. **This course is a required course for graduation.**

PRACTICAL LAW (BUS21200)

Grades 10-12
.5 credit

Have you ever wondered if something you saw or heard could possibly be legal? Or what your rights might be in situations you may encounter daily? This course will take you through a study of several areas of law. You will gain an understanding of how the legal system works, through focused study of civil and criminal law. You will further gain an overview of the areas of consumer law, employment law, contracts, environmental law, and family law. This is an excellent, practical course for students who want to explore how law will personally affect their life or who wish to broaden their business knowledge. Students enrolled in the course will learn firsthand through case studies examining high-profile, real-life situations. You'll even have the chance to try your hand at various roles in the legal system through a mock trial. Practical Law is a way to become more informed about the world and the legal system that we live in, as well as to investigate careers available in this vast field.

ELECTIVES: BUSINESS EDUCATION

LEADERSHIP DEVELOPMENT (BUS01000)

Grades 11-12
.5 credit

In this course, you will explore possibilities, meet new challenges, and seek to strengthen your leadership skills. This interactive course focuses on two themes - developing personal servant leadership skills and creating a positive change within MGHS and the great Monona-Cottage Grove community. Each week, students are given an opportunity to work on their leadership skills through hands-on group activities in which you will gain valuable, real-life experience. Students who accept the opportunity to enroll in this course should be willing to step out of their comfort zone, engage in personal growth and development, and approach each class period with a growth mindset. Learning will take place through reading, discussion, hands-on exercises, and guest speakers. Areas of emphasis include learning to ask questions that inspire growth, becoming an effective listener, 'reaching' servant leadership, the importance of positivity and a growth mindset, communicating based on behavior styles and needs, and fostering trust and relationships within a community.

PUBLICATION DESIGN (BUS21920)

Grades 9-12
.5 credit

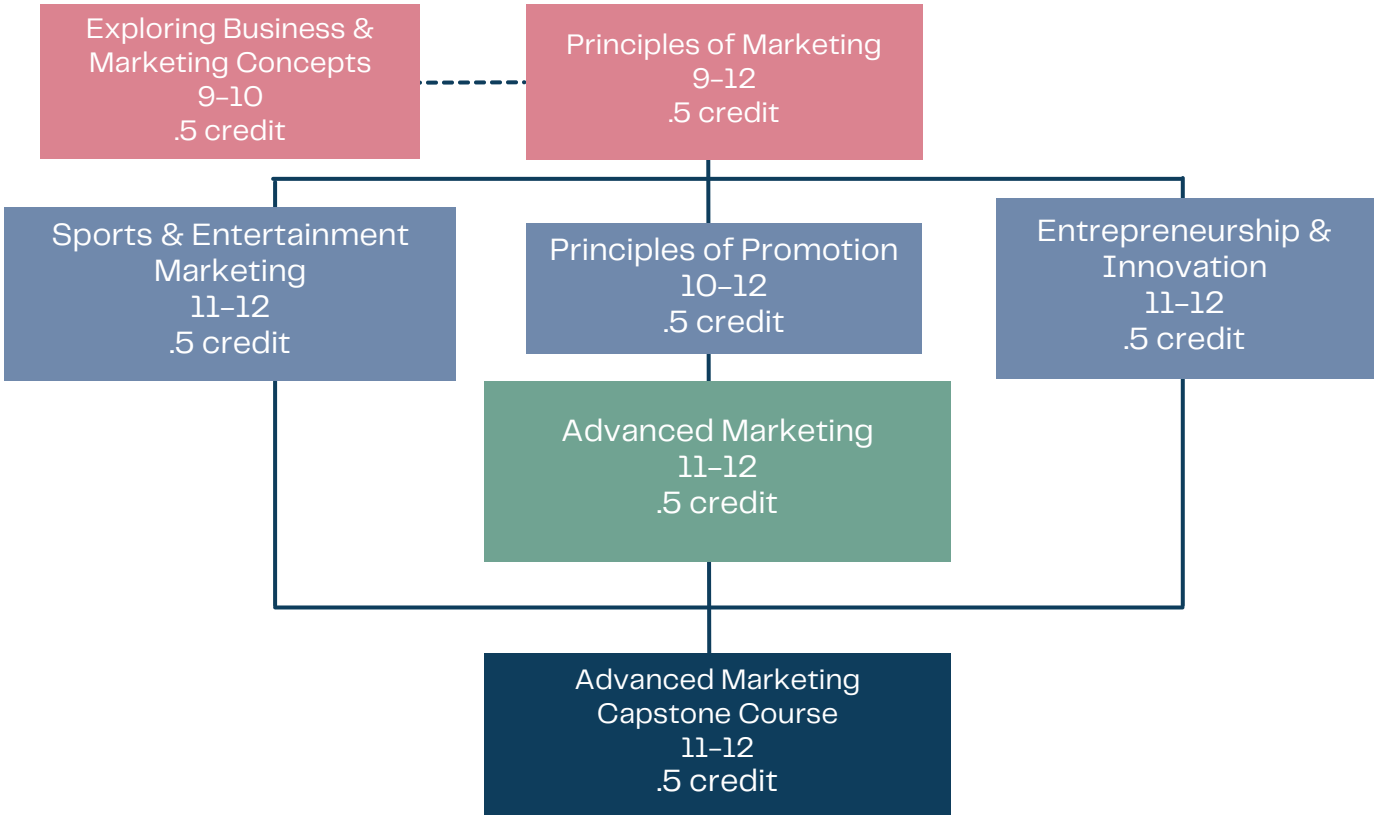
This course is designed for the first-time publication design user in creating/producing, evaluating, and designing a variety of publications, both paper and digital. Industry standard software and apps, including the Adobe Suite, will be used in this project-based class. Page layout, design, and basic photography editing will be covered. Publication Design is intended for any student who is interested in pursuing a career in the publishing, business or education fields or simply enjoys designing documents and online materials in a production based environment. Also, students will be introduced to the tasks that the school Yearbook staff take on each year and learn to use digital tools in the creative process. Note: Yearbook Design and Publication may be taken during the second semester if the prerequisite, Publication Design, is taken during the first semester.

YEARBOOK DESIGN & PUBLICATION (BUS21921/2)

Grades 9-12
.5 credit per semester
Prerequisite: Publication Design and/or consent of instructor

Students in this course become the creators of our school publication, the Silver Scroll Yearbook. Students/Yearbook staffers will decide theme and voice, learn industry standard software and apps, put to use their knowledge of layout design, photojournalism, and feature writing as they create the Yearbook. Students will be required to attend school events as assignments for class to photograph and record these events for the yearbook. Along with this work they will make business decisions, gain the real world soft skills that employers are looking for, and improve their college readiness. This course is a great way to be a part of a collaborative team, be creative, and have some fun! Note: Yearbook Design and Publication may be taken during the second semester if the prerequisite, Publication Design, is taken during the first semester. Yearbook Design and Publication may be taken all four years of high school.

ELECTIVES: MARKETING



ELECTIVES: MARKETING



PRINCIPLES OF MARKETING (MKT11000)

Grades 9-12
.5 credit
Prerequisite: Taking Exploring Business & Marketing Concepts encouraged but not required.

What is a target market and what are the 4Ps of the Marketing Mix? We will introduce marketing concepts and explore how businesses reach their customers effectively through the art of marketing in Principles of Markerting. By learning the foundational concepts of marketing and applying them to an effective marketing plan, students will gain insight into what marketing looks like in action in today's corporate world. Other topics covered will include applications of consumer behavior, customer service, and the marketing research process. Marketing is important to understand regardless of your career area of interest, because it truly impacts everything we see, hear, and do on a daily basis. This is a project based course where students will expand their self-awareness, communication, collaboration, and leadership skills through the application of course concepts. Students are encouraged to be actively involved in DECA, an association of marketing students. DECA provides opportunities to participate in local, state and national activities to showcase their own talents and network with their peers and industry professionals. Freshmen can only take this course second semester after taking Exploring Business and Marketing first semester of Freshemen year.

PRINCIPLES OF PROMOTION (MKT22100) DC

Grades 10-12
.5 credit
Prerequisite: Principles of Marketing

Principles of Promotion will build on the foundational concepts learned in the Principles of Marketing course, and gain practice applying them to activities and projects. By applying the marketing mix to individual and group projects, students will gain confidence in their marketing skills and flex their creative muscles in coming up with ideas for new products and how to communicate them to potential customers. Other topics covered will include an introduction to global marketing, corporate responsibility and ethics, and a focus on "marketing yourself" through interview practice and exposure to marketing careers. Marketing is important to understand regardless of your career area of interest, because it truly impacts everything we see, hear, and do on a daily basis. This is a project based course where students will expand their self-awareness, communication, collaboration, and leadership skills through the application of course concepts. Students are encouraged to be actively involved in DECA, an association of marketing students. DECA provides opportunities to participate in local, state and national activities to showcase their own talents and network with their peers and industry professionals.

Madison College Dual Credit Course

DC = Dual Credit Course

ELECTIVES: MARKETING

ADVANCED MARKETING (MKT22110)

Grades 11-12
.5 credit
Prerequisite: Principles of Promotion (or previously offered Marketing Principles 1 credit course)

Advanced Marketing is a course designed to take the skills and concepts learned in the two semesters of Marketing Principles and apply them to the field of Marketing Management. The course includes instruction in marketing management, human resources, and customer relationships. It also focuses on the use of digital marketing to connect creative product ideas to consumers - All skills that are integral to being successful in a marketing career. Advanced Marketing I is a project based course in all areas of instruction. By engaging in task focused on human resources management, case study review and analysis, and developing product plans incorporating messaging through social media, students gain valuable insights into a future in the marketing managerial world. Students are encouraged to be actively involved in DECA, an association of marketing students. DECA provides opportunities to participate in local, state and national activities to showcase their own talents and network with their peers and industry professionals.

Madison College Dual Credit Course.

ADVANCED MARKETING - CAPSTONE COURSE (MKT22220)

Grades 11-12
.5 credit
Prerequisite: Successful Completion of Advanced Marketing I, Sports & Entertainment Mktg., or Entrp. & Innovation

Advanced Marketing - Capstone Course is the capstone marketing course for MGHS students. This course brings together the collective marketing knowledge that students have gained through their MGHS marketing courses, and focuses on the project management and creation of a complete marketing plan for a business. This course is intended to simulate a real world project marketing experience, enabling students to cite some actual marketing experience on their resumes. Students are encouraged to be actively involved in DECA, an association of marketing students. DECA provides opportunities to participate in local, state and national activities to showcase their own talents and network with their peers and industry professionals.

SPORTS & ENTERTAINMENT MARKETING (MKT22200)

Grades 11-12
.5 credit
Prerequisite: Principles of Marketing

Fiserv Forum, The Kohl Center, and the Overture Center are all entertainment meccas. You can't avoid it. Turn on the television and you're likely to see a sporting event, or an entertainer trying to sell you something. Open the newspaper and sports might be on the front page, and if not, it has an entire section. Today sports and entertainment marketing is a multibillion-dollar industry. As a result, sports teams and leagues need the revenue that is generated from their partnerships with business. (continues)

(continued) This revenue comes from a variety of sources including sponsorship fees and licensing, advertising, and promotional opportunities. Sports and Entertainment Marketing is a course designed for students interested in learning the essentials of marketing as they relate to the sports and entertainment industries. The essentials of marketing including product development, advertising, public relations, consumer behavior, promotion, publicity, research, pricing, and ethics are studied. Additional areas studied include licensing, endorsements, sponsorships, economic issues, and current events as they relate to sports and entertainment marketing. This course is designed for students to learn about this vast growing industry, how it relates to our society, and career options available in this field. Students are encouraged to be actively involved in DECA, an association of marketing students. DECA provides opportunities to participate in local, state and national activities to showcase their own talents and network with their peers and industry professionals.

ENTREPRENEURSHIP & INNOVATION

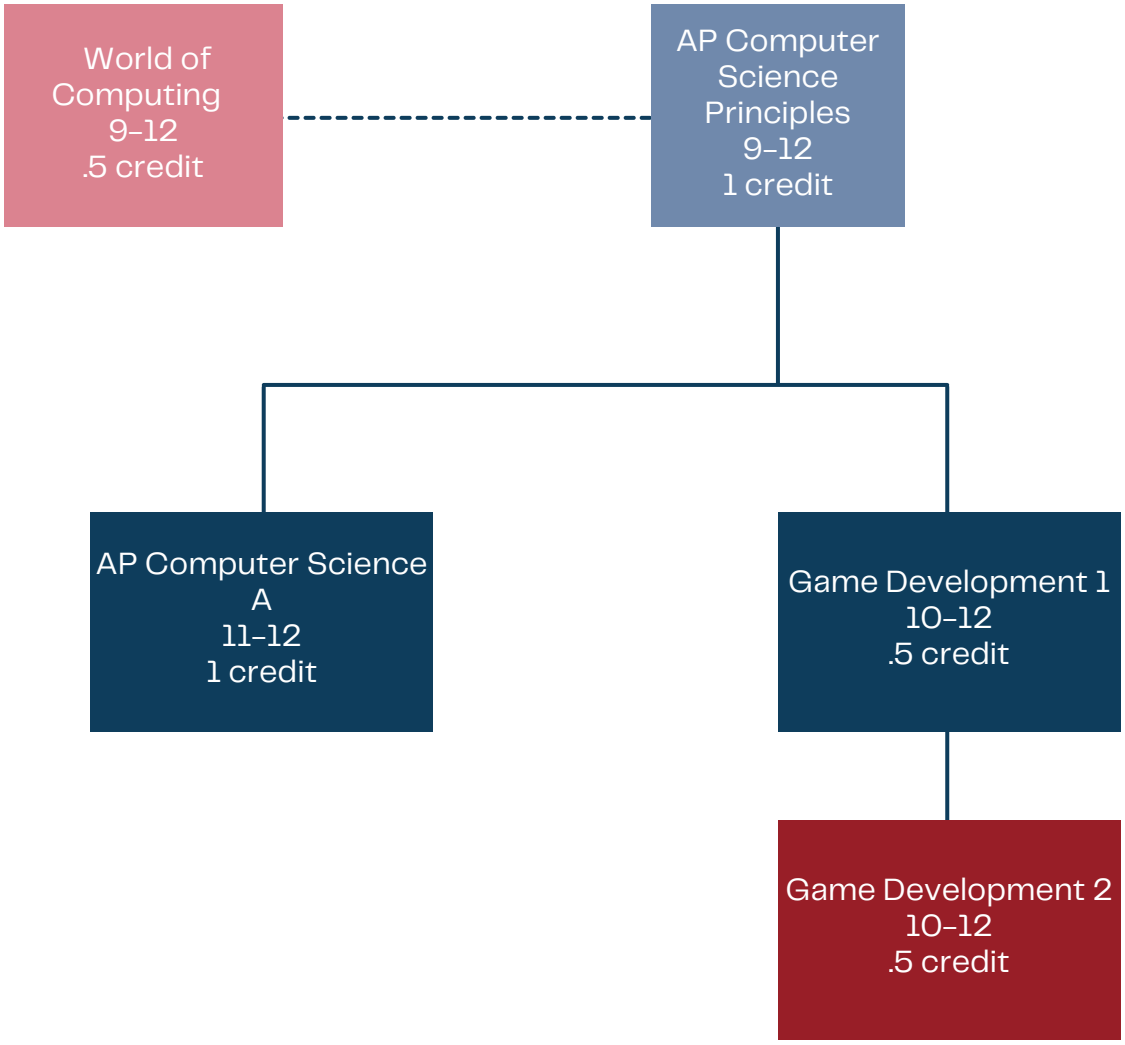
(MKT22120)
DC

Grades 11-12
.5 credit
Prerequisite: Principles of Marketing

Being your own boss, owning your own business; these are the foundations of the American Dream. This class provides students with the opportunity to make that happen. This course provides a comprehensive view of retail marketing concepts, business concepts, and entrepreneurial skills and examples in a practical environment, utilizing The Eagle's Nest school-based enterprise as an extended classroom learning experience. Students will work in and operate The Eagle's Nest School Store. They will learn skills in developing and starting a retail business, and learn business functions that are involved in running a successful operation. Students will study store design and visual merchandising, promotion and advertising, merchandise planning, retail marketing strategy, inventory, pricing, and risk management. Additional topics include the study and application of the retail marketing mix, innovation and what it takes to be an entrepreneur, customer service and relationships, and careers in the field of retail marketing and entrepreneurship. Students are encouraged to be actively involved in DECA, an association of marketing students. DECA provides opportunities to participate in local, state and national activities to showcase their own talents and network with their peers and industry professionals.

University of Iowa Dual Credit Course (Students will need to pay ~$200 to receive credit once the course is completed)

ELECTIVES: COMPUTER SCIENCE



ELECTIVES: COMPUTER SCIENCE



WORLD OF COMPUTING (CPT18000)

Grades 9-12
.5 credit

Are you curious about how the smartphone in your pocket and the apps that run on it work? Geared toward grades 9-10 but open to all, this course will use exploratory projects to discover what powers the digital world. Topics include how computers work, app development, data analysis and an introduction to text-based programming. Each unit in this course will develop your computational thinking skills, such as decomposing problems, pattern recognition, and designing algorithms. These are 21st century skills that would serve you well in any field you choose.

AP COMPUTER SCIENCE PRINCIPLES (CPT61951/2) N

Grades 9-12
1 credit
Prerequisite: Algebra 1 or concurrent enrollment in Algebra 1

Not your typical AP course, AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Through active, hands-on learning, students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Prior programming experience is helpful but not required. Engaged students rarely have outside of class work. This class was formerly Comp Sci 1 and Comp Sci 2.

AP COMPUTER SCIENCE A (CPT61941/2)

Grades 10-12
1 credit
AP & N
Prerequisite: AP Computer Science Principles or CS teacher recommendation

AP CSA is equivalent to a one-semester introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. Topics include designing and analyzing solutions to problems, using data structures to organize large sets of data, and developing algorithms to process data. The course emphasizes object-oriented design using the Java programming language.

ELECTIVES: COMPUTER SCIENCE

GAME DEVELOPMENT 1 (CPT61940)

Grades 10-12
.5 credit
Prerequisite: AP CS Principles

Game Development 1 is an interactive project based course that focuses on animation and programming of 2D games. This course offers those advanced students an opportunity to program and develop engaging PC games. We will use PhotoShop, GameMaker, and a plethora of other software to fulfill our gaming needs.

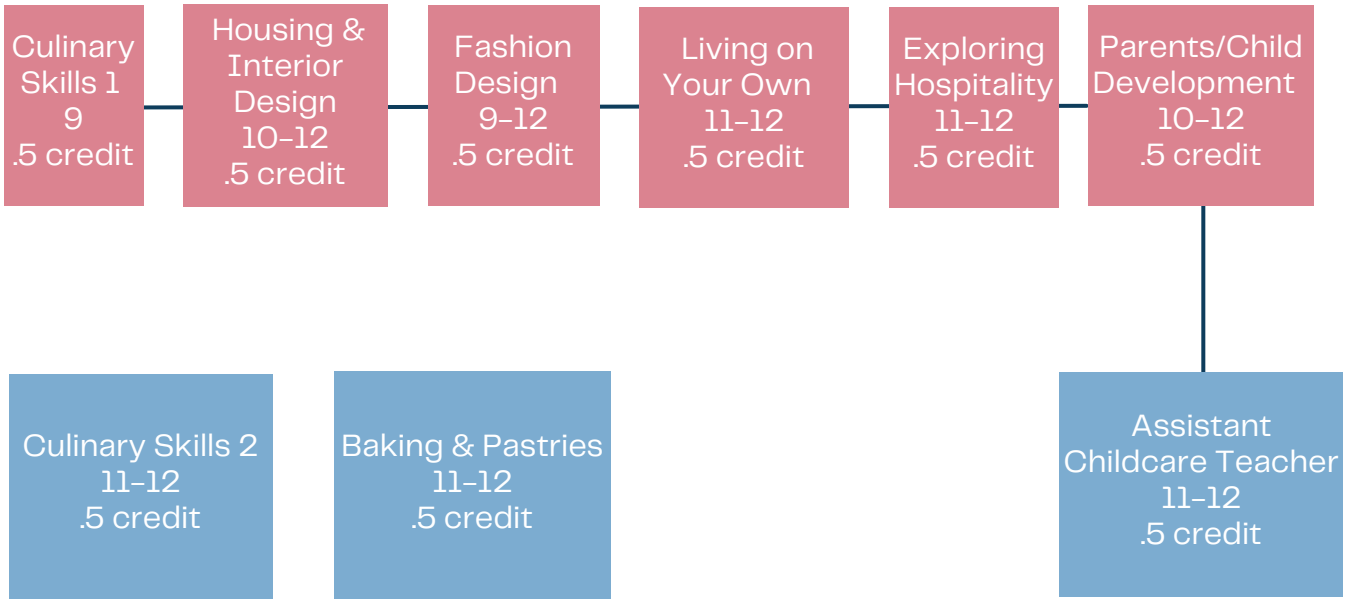
GAME DEVELOPMENT 2 (CPT61930)

Grades 10-12
.5 credit
Prerequisite: Game Development 1

Game Development 2 is an interactive project based course that revisits some of the skills acquired during Game Development 1 and introduces new topics. These topics are advanced interface commands, human physical/perceptual limits of character development, advanced level design, building game assets, game physics, artificial intelligence, and complex shading effects using Unity 3D.

N = NCAA Accepted

ELECTIVES: FAMILY & CONSUMER SCIENCES



ELECTIVES: FAMILY & CONSUMER SCIENCES



CULINARY SKILLS 1 (FAM51110)

Grades 9
.5 credit | $30 Course Fee

This foods class provides students with an introduction to the basic techniques of food preparation while learning about nutrition and food safety. As beginning cooks, students have ample opportunity to apply their knowledge of food preparation through hands-on lab experiences. Whether for personal or career use, students completing this class will have developed the basic cooking skills to prepare breakfast items, salads, sandwiches, dinner entrees, cookies, desserts, as well as other nutritional fare.

CULINARY SKILLS 2 (FAM51220)

Grades 11-12
.5 credit | $30 Course Fee

This intermediate foods course introduces students to more advanced aspects of food preparation. Building upon the lab skills learned in Culinary Skills I, students will prepare entrees, decorative foods, ethnic foods, soups, buffet style foods, and more! As foods are prepared, career options will be identified and explored.

BAKING & PASTRIES (FAM51250)

Grades 11-12
.5 credit | $30 Course Fee

This course will provide students with the basic skills necessary for entry work in a bakery or pastry shop in the foodservice industry. Students will learn about a variety of techniques, terminology, and tools used to create, garnish, and serve pastries and baked goods. Building upon skills learned in Culinary 1, students will have exposure to yeast raised breads, cake decorating techniques, pies, tarts, doughs and batters.

HOUSING & INTERIOR DESIGN (FAM51810)

Grades 10-12
.5 credit

This semester course is designed for students who are interested in exploring careers in housing or interior design. Various aspects of the housing industry will be covered including types of housing, trends, floor plans, and furnishings. Hands-on projects will provide exposure to typical career-related experiences. Students will draft and create floor plans using computer simulated technology. Exploration with material and color will provide practical adventures into the career areas of interior design.

ELECTIVES: FAMILY & CONSUMER SCIENCES

FASHION DESIGN (FAM51100)

Grades 9-12
.5 credit

This course is for students who have an interest in learning about fashion design or in developing sewing skills. Labs are designed to help students progress quickly through a variety of projects. Students have the option to follow along with the class to make projects or use their creative talents to create projects of their own. If you enjoy clothing as an important part of self-expression, this course provides a meaningful experience in creativity. Students also learn about the elements and principles of fashion design and careers in the clothing and fashion industry as well as the environmental and social justice impacts of the industry.

LIVING ON YOUR OWN (FAM51410)

Grades 11-12
.5 credit

This semester course is designed for students who want to explore those skills needed to succeed after high school. Topics include: apartment hunting, basic money management, simple car/home maintenance, and health/wellness tips. This will be a "hands on" class relying mostly on in-class reading/discussions, projects, and student participation to determine a grade.

PARENTS/CHILD DEVELOPMENT (FAM71280)

Grades 10-12
.5 credit

Learning how to be a successful parent is one of the most important jobs in your life. This course is for students who are interested in learning the skills to become effective parents or caregivers or are interested in a career that deals with children, such as a pediatrician, school psychologist, nurse, or teacher. Topics of study include decision-making regarding parenthood, environmental and genetic influences on children, teen pregnancy, prenatal development, changes that occur during pregnancy, labor and delivery, caring for children, discipline, child development, and societal issues that affect children. Learning activities include: Real Care baby simulation, guest speakers, interviews, discussion, and more!

ASSISTANT CHILDCARE TEACHER (FAM71290)

Grades 11-12
.5 credit
Prerequisite: Successful completion of Parenting & Child Development

This course will introduce students to occupations in the childcare services profession or any career working with children by requiring volunteer hours to be completed by students. Coursework and volunteer hours will provide the training and background necessary to receive certification as an Assistant Childcare Teacher. Topics of study include a historical overview of child care service profession, exploring careers in the childcare profession, understanding and interacting with children, creating a safe and healthy environment, guiding young children, learning experiences for children, planning curriculum and activities, center relationships and parent involvement, and professional development.

ELECTIVES: FAMILY & CONSUMER SCIENCES

EXPLORING HOSPITALITY

(FAM4000)

Grades 11-12
.5 credit

This course explores career opportunities within the hospitality and tourism services industry, focusing on the food service, lodging, travel/tourism, meeting management and recreation areas. Students will look at the historical and operational perspectives of the industry and be able to apply knowledge and learning to real-life experiences.

*Dual Enrollment with Madison College for 3 credits
Madison College Course Name: Exploring Hospitality

ELECTIVES: HEALTH SCIENCES

Health & Wellness
10
.5 credit

Health Care Career Exploration
9-12
.5 credit

Nutrition
11-12
.5 credit

Sports Medicine
10-12
.5 credit

Medical Terminology
10-12
.5 credit

Nursing Prep
11-12
.5 credit
*Sem 1

Pharmacology
11-12
.5 credit

U.S. Healthcare Systems
12
.5 credit
*Sem 2

ELECTIVES: HEALTH SCIENCES



HEALTH & WELLNESS (HLT71350)

Grade 10
.5 credit
Prerequisite: Required for all Sophomores

In this required class, students will learn how to incorporate health and wellness concepts, skills, attitudes, and behaviors necessary to live productive and healthy lives. A main goal of this interactive course is to help students develop a desire to practice sound principles of physical, emotional, and social health. This is done through class discussions, class presentations, and small group activities. Units covered in this student-driven course include the following: building community, influences on self-development, managing stress and anxiety, untimely death, substance use and abuse, human growth and development, and nutrition.

HEALTHCARE CAREER EXPLORATION (MED71110)

Grades 9-12
.5 credit

If students want to explore possible career choices, this is the place to be! This course is designed to introduce students to a wide variety of health careers. The nature and scope of the profession including the educational and physical requirements, as well as personal characteristics of each career are discussed. The healthcare system with a historical perspective is presented. The students are introduced to ethical, legal and safety conditions in healthcare. The students will investigate career security strategies and tools. Students in this course are encouraged to become members of the Monona Grove Chapter of HOSA: Future Health Professionals. **This class is a prerequisite for all other Health Science courses.**

SPORTS MEDICINE (MED71190)

Grades 10-12
.5 credit
Prerequisite: Healthcare Career Exploration or consent of instructor

This course is designed to give students a broad introduction to the many areas of sports medicine. Course content will range from such topics as the emergency care and evaluation of athletic injuries to topics such as prevention, rehabilitation, and conditioning. The labs are designed to give students practical, hands-on experience in the areas of wrapping, taping and padding, as well as learning emergency first aid procedures. Students are encouraged to become active members of the Monona Grove Chapter of HOSA: Future Health Professionals.

ELECTIVES: HEALTH SCIENCES

MEDICAL TERMINOLOGY (MED71150)

Grades 10-12
.5 credit | $50 Course Fee
Prerequisite: Healthcare Career Exploration, Sports Medicine or Anatomy and Physiology is recommended. An intense interest in the medical field, ability to focus on detail, and a good science background will be helpful.

This semester course is designed for students who plan to pursue a career in healthcare. Medical terminology as it pertains to body systems will be covered in detail, as well as medical abbreviations, diagnostic procedures, and medical tests. Students will be required to purchase a text/workbook. Students are encouraged to also purchase notecards. **Note: There is a $50.00 workbook fee for this class.** Students are encouraged to become active members of the Monona Grove Chapter of HOSA: Future Health Professionals.

PHARMACOLOGY (MED71200)

Grades 11-12
.5 credit
Prerequisite: Juniors and Seniors who have taken Healthcare Career Exploration and are interested in a career in pharmacy or one of the many related health sciences.

This course is designed to give students an introduction to pharmacology topics. Topics include: drug side effects, drug interactions, safety, patient interaction and advocacy skills, and common over-the-counter and prescription medications. Students will also learn about proper dosages and use math skills. Students who take this class may be eligible to sit for a certification exam at the age of 18 to become a Pharmacy Technician. Students are encouraged to become active members of the Monona Grove Chapter of HOSA: Future Health Professionals.

NURSING PREP (MED71240)

Grades 11-12
.5 credit
Prerequisite: Juniors and Seniors who have taken Healthcare Career Exploration and are interested in a career in nursing or one of the many related health sciences.

This course provides the knowledge and nursing skills that are often needed to go into the nursing field at multiple levels. Students will be introduced to the different levels of nursing certification and different avenues that a nursing degree can be attained. Students will explore the career of nursing through readings, testimonials, skill labs, and discussions. Other soft skills needed in the nursing profession will be addressed, as well as, skills needed to work with a variety of populations. Students are encouraged to become active members of HOSA.

ELECTIVES: HEALTH SCIENCES

US HEALTHCARE SYSTEMS (MED71210)

Grade 12
.5 credit
Prerequisite: Healthcare Exploration or Intro to Biotechnology or consent or instructor.

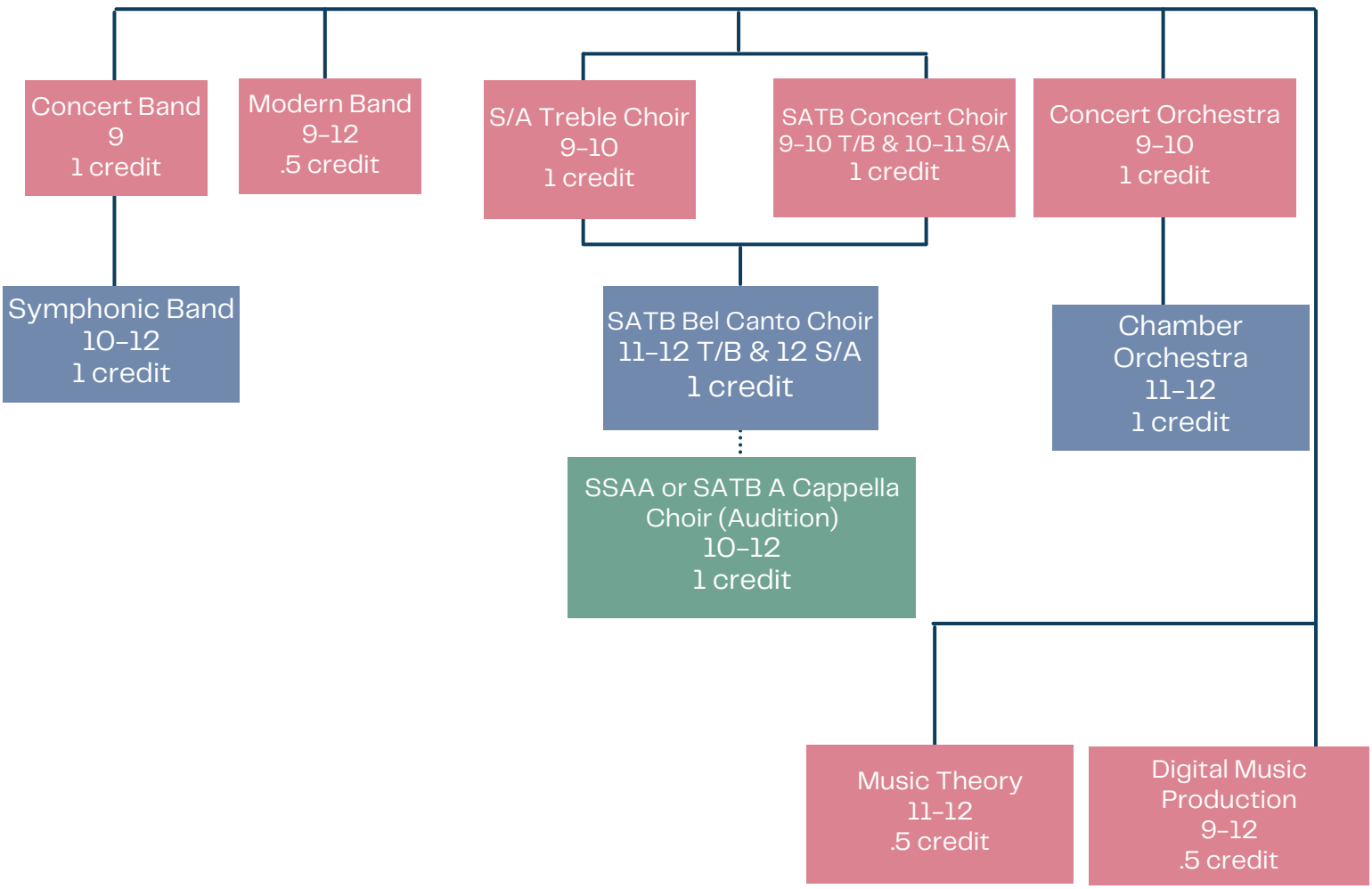
If students are interested in learning more about the healthcare/human services career clusters, US Healthcare System is planned to meet those needs. Students will explore the ethical, bioethical, and human dilemmas that healthcare workers and others face because of new technology. Students will explore the constant changes in the U. S. Healthcare System and how those changes affect different populations. Students will review and be updated on disease, disorder, and drug information. Pertinent career related information is also included. Students are encouraged to become active members of the Monona Grove Chapter of HOSA: Future Health Professionals.

NUTRITION (MED41000)

Grades 11-12
.5 credit

Nutrition is a class that surrounds the world of dietetics. Students will learn a better understanding of macro and micronutrients including carbohydrates, proteins, fats, minerals, and vitamins. Students will learn about nutrients, how to read food labels, do nutrition related math, and apply their learning using clinical case study work and careers in nutrition. In this class, students will learn more about their food environment and how to navigate the world of nutrition.

ELECTIVES: MUSIC



ELECTIVES: MUSIC



SSAA OR SATB A CAPPELLA CHOIR (MUS02421/2)

Grades 10-12
1 credit
Prerequisite: Teacher recommendation in the Spring, 1-2 years in Concert, Treble Choir, Bel Canto Choir or Consent of Director after an audition. (Highly recommended concurrent enrollment in another performing choir, band, or orchestra class).

A cappella Choir, is a year long course offered as an advanced vocal music class to 10-12th grade soprano/alto OR soprano/alto/tenor/bass singers. Students must complete an audition in the winter, prior to class registration. The focus will be on gaining skills related to advanced, mostly a cappella SATB choral singing (including jazz improvisation and contemporary a cappella), healthy vocal production, music theory and literacy, and ear training. The choir will participate in at least four concerts during the school year. All concerts are outside school time, and attendance is mandatory as part of the grading process. Additional opportunities to attend festivals and competitions outside of school are possible.

SATB BEL CANTO CHOIR (MUS02401/2)

Grades 12 Soprano/Alto, 11-12 Tenor/Bass
1 credit
Prerequisite: 1-2 years in Concert or Treble Choir or consent of the Director after an audition.

Bel Canto Choir, is a year long course open primarily to 11th and 12th grade tenor/bass students, and 12th grade soprano/altos. The focus will be on gaining skills related to intermediate SATB choral singing including healthy vocal production, music theory and literacy, and ear training. The choir will participate in at least four concerts during the school year. All concerts are outside school time, and attendance is mandatory as part of the grading process. Additional opportunities to attend festivals and competitions outside of school are possible.

SATB CONCERT CHOIR (MUS02601/2)

Grades 9-10 (Tenor/Bass) and 10-11 (Soprano/Alto)
1 credit

This year long class is primarily for 9th- 10th grade or beginning tenor/bass choir students and 10th and 11th grade soprano/altos. Concert Choir will explore a variety of choral music. The focus will be on gaining skills related to mixed choir singing; including healthy vocal production, music theory and literacy, and ear training. The choir will participate in at least four concerts during the school year. All concerts are outside school time, and attendance is mandatory as part of the grading process. Additional opportunities to attend festivals and competitions outside of school are possible.

ELECTIVES: MUSIC

SA TREBLE CHOIR (MUS02411/2)

Grades 9-10 Soprano/Alto
1 credit

Treble choir is a year long course primarily for 9th- 10th grade Soprano/Alto choir students. Treble Choir will explore a variety of choral music. The focus will be on gaining skills related to soprano/alto choral singing; including healthy vocal production and problems inherent at this age of the soprano/alto voice, music theory and literacy, and ear training. The choir will participate in at least four concerts during the school year. All concerts are outside school time, and attendance is mandatory as part of the grading process. Additional opportunities to attend festivals and competitions outside of school are possible.

CONCERT ORCHESTRA (MUS02321/2)

Grades 9-10
1 credit
Prerequisite: Membership in middle or high school orchestra or consent of director after an audition.

This orchestra is primarily for **9th and 10th grade students**. Concert Orchestra will continue to build on skills learned in middle school orchestra, as well as introduce new techniques needed to perform high school orchestra literature. All concerts are outside of school time. Because this class is a part of the regular curricular program, attendance is **mandatory** at all concerts and is included as part of the grading process.

CHAMBER ORCHESTRA (MUS02301/2)

Grades 11-12
1 credit
Prerequisite: Membership in Concert Orchestra or consent of director after an audition.

This orchestra is primarily for **students in grades 11-12.** Students will continue to build and refine learned skills as well as introduce new techniques needed to perform high school orchestra literature. All concerts are outside of school time. Because this class is a part of the regular curricular program, attendance is **mandatory** at all concerts and is included as part of the grading process.

CONCERT BAND* (MUS02001/2)

Grades 9
1 credit
Prerequisite: Enrollment in high school band/middle school band or consent/approval of band instructors.

This band is primarily for **9th grade students**. Continued development of instrumental techniques is necessary to perform high school literature. All concerts and marching band performances are outside of school time. Because this class is a part of the regular curricular program, attendance is **mandatory** at all performances and is included as part of the grading process.

***9th grade and new high school band members will need to purchase marching shoes. (We have gently used shoes for $10 and new shoes for $30).**

ELECTIVES: MUSIC

MODERN BAND (MUS3000)

Grades 9-12
.5 credit

This band is primarily for students not currently in a band class. Modern Band is a hands-on, performance-based music class where students learn to play, perform, and create music inspired by popular styles such as rock, pop, hip-hop, R&B, and indie. Students build skills on guitar, bass, keyboard, drums, and vocals while exploring music technology, songwriting, and collaboration. Learning happens through *active music-making*: *playing in small groups*, covering contemporary songs, and composing original work that reflects student voice. The course welcomes all experience levels, emphasizing creativity, teamwork, and self-expression as students grow as performers, songwriters, and collaborators.

SYMPHONIC BAND (MUS02101/2)

Grades 10-12
1 credit
Prerequisite: Enrollment in high school band or consent/approval of band instructors

This band is primarily for **students in grades 10-12**. Continued development of instrumental techniques is necessary to perform high school literature. All concerts and marching band performances are outside of school time. Because this class is a part of the regular curricular program, attendance is **mandatory** at all performances and is included as art of the grading process.

MUSIC THEORY (MUS02900)

Grades 11-12
.5 credit
Prerequisite: This course is open to juniors and seniors that are enrolled in band, choir, or orchestra or with instructor approval.

Music Theory will introduce students to the technical study of music. Music Theory is an overview of music reading, analysis, and composition. Students will learn how to properly read and write music and analyze elements like melody, harmony, and rhythm. Additionally, students will be introduced to sight-singing, ear training, dictation, and basic piano. Will be offered every other year (running in 2026-2027)

DIGITAL MUSIC PRODUCTION (MUS03000)

Grades 9-12
.5 credit

This class introduces all students to music composition and production. Learn how to analyze and synthesize your favorite songs and compose your own music using digital software. This class will offer opportunities for creating music with beats, loops, and various software. Will be offered every other year (running again in 2027-2028)

ELECTIVES: TECHNOLOGY & ENGINEERING

Survey of Technology & Engineering
9
1 credit

Survey of Tech is NOT a prerequisite of any of the courses listed below.

ENGINEERING

PLTW: Intro to Engineering Design / AS
10–12
1 credit

PLTW: Principles of Engineering
10–12
1 credit

PLTW: Computer Integrated Manufacturing
11–12
1 credit

DESIGN

Architectural Design / DC
10–12
1 credit

Graphic Design
10–12
1 credit

METALWORKING

Intro to Manufacturing & Machining Tools / DC
10–12
1 credit

WOODWORKING

Woodworking Processes 1
10–12
1 credit

Woodworking Processes 2
10–12
1 credit

Construction Skills
11–12
1 credit

ELECTRONICS

Electricity & Electronics
10–12
1 credit

PLTW: Digital Electronics / AS
10–12
1 credit

Mechatronics
11–12
.5 credit

LIFE SKILLS

Home Maintenance Essentials
11–12
.5 credit

ELECTIVES: TECHNOLOGY & ENGINEERING



SURVEY OF TECHNOLOGY & ENGINEERING (TEC11001/2)

Grades 9-12
1 credit | $60 Course Fee

This is a year-long course. The course is a general introduction to the technology education department and the courses offered in the department at the high school. Study will include many hands-on opportunities in the general areas of woodworking, electronics and electronic communication, manufacturing and metalworking, drafting (3D Modeling), graphic design, desktop publishing and principles of engineering technology and design. All areas of study will include on-going activities in problem solving, critical thinking, assessing various technologies, and applying appropriate technologies to solve problems while working effectively both as a team member and individually. Projects include a cutting board, dustpan, screwdriver, pen, pen box, jump the peg game, 3d printing, vinyl sticker design, LED robot, clock, and more. **Note: Survey of Technology & Engineering is not a prerequisite for any other Tech & Engineering courses.**

HOME MAINTENANCE ESSENTIALS (TEC11980)

Grade 11-12
.5 credit

This semester course is intended for students with limited exposure to traditional technology and engineering courses such as Woods and Construction. Preference will be given to these students as sections become full. Students will learn how to become educated consumers and how to maintain the systems associated with renting or owning property. Students will explore a variety of topics like drywall repair, hanging a heavy mirror on a wall, replacing a faucet/toilet, replacing electrical fixtures, automobile maintenance, beginner woodworking skills, buying a home/financial credit, and various other real life areas of study. Projects that students will complete make use of the tools and materials that one would encounter while performing household repair/minor upgrades and renovations. Projects may include: concrete nightlight, step stool, wall-mounted coat hanger, ceramic tile trivet.The intent of this course is to give students a diverse knowledge and basic skill level to deal with products and projects; whether they own or rent, drive or walk, work or play, fix or hire, buy or sell.

INTRODUCTION TO MANUFACTURING (TEC11101/2)

Grade 10-12
1 credit | $90 Course Fee

Introduction to Manufacturing and Machine Tool is an introductory course designed to equip students with the basic fundamental skills of metalworking, machine tool operations and manufacturing processes. (continues)

(continued) Students will gain experience in drilling, cutting, grinding, bench metal, turning, milling, sheet metal fabrication, TIG/MIG/Stick welding, basic metallurgy, forging, 3D printing, plasma cutting and CNC machining. Projects include a meat-tenderizing hammer, cold chisel, riveting hammer, 3D printed parts, toolbox, and tailgate grill.

PRE-ENGINEERING COURSES OFFERED - PROJECT LEAD THE WAY (PLTW)

The Technology & Engineering Department offers several certified pre-engineering courses. Students who may be interested in engineering and technology related careers should enroll in any/all of these courses. Through Project Lead the Way, a national organization established to assist schools with pre-engineering curriculum, students are provided with the knowledge and skills to excel in high-tech fields. Students who successfully complete any of the courses can receive credit at affiliated colleges throughout the country. Courses specified with PLTW are certified Project Lead The Way courses. For further information regarding these courses please see any of the Technology & Engineering instructors.

To earn Project Lead the Way (PLTW) credit, students must take the full year version of the class. *PLTW courses afford the possibility for students to receive College Credit. For specific information on accreditation opportunities, please see the PLTW website at PLTW.org or the Technology & Engineering instructor who teaches the specific course. As of the printing of this course handbook, these classes meet the requirements to be deemed PLTW.

PLTW: COMPUTER INTEGRATED MANUFACTURING (TEC11111/2)

Grade 11-12
1 credit
Prerequisite: Introduction to Manufacturing and Machine Tool (unless given instructor permission)

Integrated Manufacturing is a course for students interested in the area of manufacturing and advanced machining technology. Students will further develop the skills learned in the introduction to manufacturing class and IED courses and will explore CNC machining and automated manufacturing systems. This course is designed to develop the skills necessary for pre-engineering programs, vocational and industrial training programs, pre-engineering programs, or entry-level jobs. The software used in this course is identical to the software used in industry (Inventor and MasterCAM). Students will design, assign tool paths, and machine complex parts on the CNC mill. There will be additional fees charged in this course for materials and consumables. **Not offered in the 2026-2027 school year.**

PLTW: INTRO TO ENGINEERING DESIGN (TEC11611/2)

Grade 10-12
1 credit
This course is based on the PLTW "Intro to Engineering Design" course, and focuses on developing problem solving skills with respect to design and engineering. (continues)

(continued) Students develop 3D printing skills and will become proficient with 3D modeling using the Fusion 360 program. Students will design and create the following: a mousetrap car, small catapult, balsa wood tower, and multiple 3D printed assemblies. There will be frequent team engineering challenges that require problem solving and group work. Other concepts covered include reverse engineering, product development, and manufacturing.

PLTW: PRINCIPLES OF ENGINEERING (TEC11831/2)

Grade 10-12
1 credit

Principles of Engineering is a PLTW pre-engineering course that will provide students with a comprehensive understanding of the field of engineering/engineering technology. Problem solving skills, teamwork, and public speaking are emphasized as they relate to engineering careers and post-secondary education programs. Students will explore various technological systems and processes through interactive hands-on activities such as: the design and construction of an automated electromechanical machine, a balsa-wood structure, a ballistics device, a pencil breaking compound machine, and potentially, a 'Rube Goldberg' like machine. This class will illustrate how engineers and technicians use math, science, and technology in engineering problem-solving processes. Unit topics include: Energy and Power, Materials and Structures, Control Systems, Statistics and Ballistics.

PLTW: DIGITAL ELECTRONICS (TEC11941/2)

Grade 10-12
1 credit

Digital Electronics is a PLTW pre-engineering course in applied logic that encompasses the application of electronic circuits and devices. Industry leading computer simulation software is used to design and test digital circuitry prior to the physical construction of circuits and devices on digital logic trainers. The Multism simulation software allows students to design, test and analyze electronic circuits on the computer without having to physically construct the circuit. Microcontrollers, robotics and electromechanical devices are also investigated using the Arduino Inventors Kit and/or the Basic Stamp/PIC Microcontroller. Students will learn how software and hardware work together as they develop and construct projects simulating real-life electronic devices. Unit topics include: Foundations in Electronics, Combinational Logic, Sequential Logic and Controlling Real World Systems.

GRAPHIC DESIGN (TEC11501/2)

Grade 10-12
1 credit

This course is intended for students interested in design, graphic arts, desktop publishing, and advertising. Coursework includes sketching, logo design, photo editing, advertising, laser printing, and career-related exploration. Students will design and create the following: vinyl stickers, T-shirts, product packaging, and laser-engraved wood signs. Adobe programs will be used throughout this hands-on course.

ELECTIVES: TECHNOLOGY & ENGINEERING

ARCHITECTURAL DESIGN (TEC11701/2)

Grade 10-12
1 credit

This course is designed to give students an understanding of the fundamentals of residential home design. Major emphasis is placed on learning the architectural styles and the function of architecture along with learning multiple software programs. Activities will include developing single family and multi-family floor plans. Projects include urban and residential development, landscape architecture, dream home design and building scaled models. This class is recommended for students interested in architectural design and careers related to architecture and structural engineering. This course will work with the latest version of Autodesk Revit and other modeling programs.

ELECTRICITY & ELECTRONICS (TEC11801/2)

Grade 10-12
1 credit | $35 Course Fee

This is an introductory course designed to provide the student with a greater understanding of electricity, electronics, and robotics. Students will combine electronic theory with hands-on project work. Project work will include electronic bread-boarding, printed circuit board fabrication, and various electronically-related projects such as a 2-pole motor, homemade speaker, metal detector, remote control jammer, AM crystal radio, 4x4x4 LED Cubes, TV-B Gone Prank project, smartphone remote controlled paraglider, and a custom microcontroller project and robotic design and programming using Lego EV3's. Students will also learn how to use digital voltmeters, oscilloscopes, and other electronic testing equipment. This course is recommended for students who may have an interest in electrical engineering, electronics technology, mechatronics, electrician trades, electronic repair, communications, or an exploratory interest in electronics and related areas.

WOODWORKING PROCESSES 1 (TEC11301/2)

Grade 10-12
1 credit | Est. $150-225 Course Fee

Woodworking Processes 1 is an introductory course designed to give the student a basic understanding of the materials and processes involved in modern woodworking. Emphasis is on the safe operation of all machines. Areas of study include the use of hand tools, portable power tools, woodworking machines, methods of fabrication, finishing processes, and interpreting working drawings with cost estimation. Three major projects are to be constructed involving the use of all woodworking machines in the shop as a requirement of the course. Students must pay for the materials needed to complete each project (approximately $130-$190 total cost for all three projects assistance provided for eligible students). Payments will be required at three different times, and will be due prior to the beginning of each of the three projects.
*Fees will vary depending on material chosen. Financial assistance is available for qualifying students.

ELECTIVES: TECHNOLOGY & ENGINEERING

WOODWORKING PROCESSES 2 (TEC11401/2)

Grade 11-12
1 credit | Est. $50-400 Course Fees
Prerequisite: Successful completion of Woodworking 1 or consent of instructor

This course is designed to develop advanced skills in wood production and machining techniques, as well as create an understanding and appreciation of the woodworking industry. In this class students will build on the skills acquired in Woods I to design, plan, estimate, and ultimately construct a project of their choosing. Areas of study include: wood material technology, design in woodworking, advanced operations on woodworking machines, advanced finishing methods and techniques, industry standards, and customizing with inlays, veneers, and laminates. Want the freedom to learn what you want? work at your pace and build what you want? Then this is the class for you.

*** Fees will vary greatly depending on the project and can range depending on the size, complexity and materials chosen.**

CONSTRUCTION SKILLS (TEC11971/2)

Grade 11-12
1 credit | $60 Course Fee

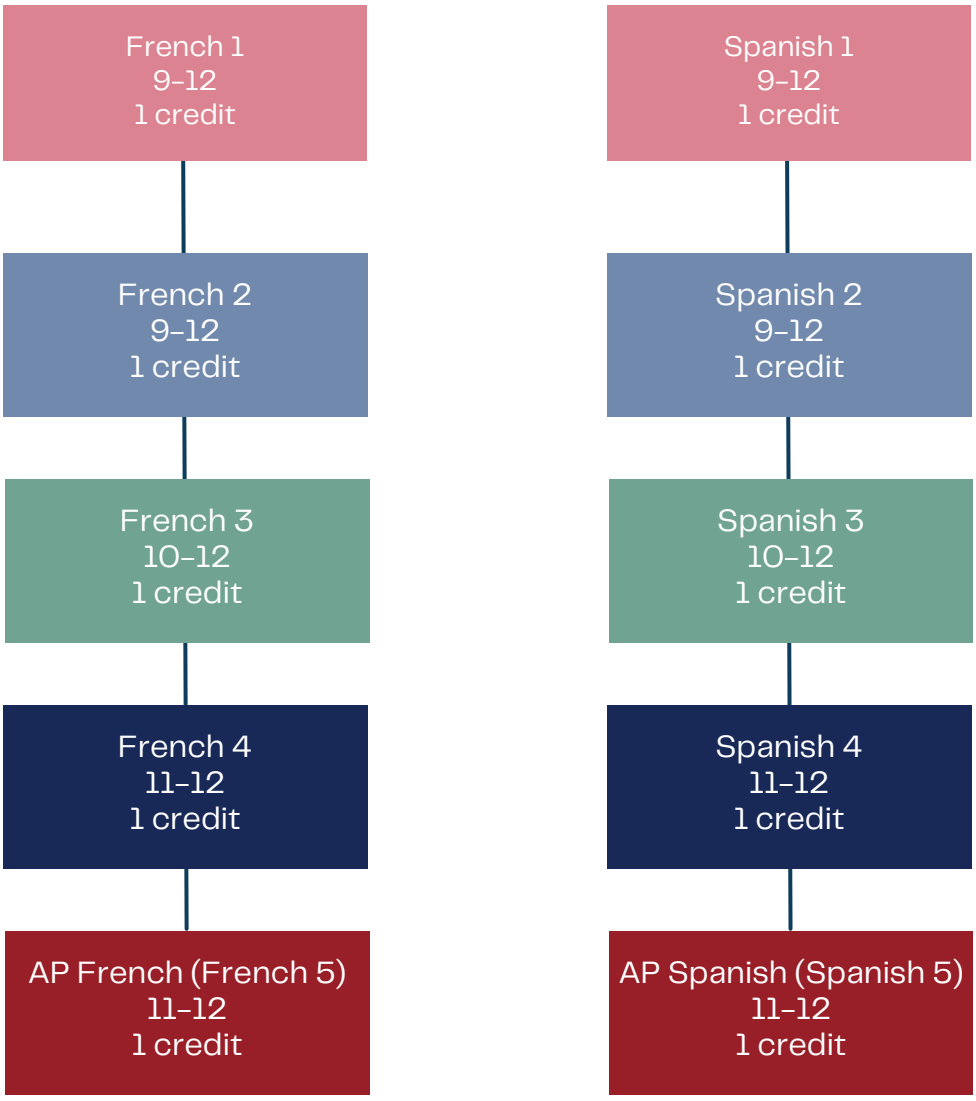
This course is intended for students interested in construction, home building, remodeling, and the building trades. Class activities will include site layout, concrete work, floor and wall framing, rafter framing, and stairways. Additional projects will include house models, bean bag toss boards, and typically build the set for the school musical. Students will learn vocabulary, background knowledge, and skills that will benefit a wide group of learners ranging from those directly entering the workforce after high school to those continuing in post-secondary education (2 year or 4 year) in the construction field and future property owners. Thinking about a youth apprenticeship in construction? This class is for you!

MECHATRONICS (TEC11800)

Grade 11-12
.5 credit

This semester course will introduce students to the expanding field of Mechatronics, a multidisciplinary STEM (Science, Technology, Engineering and Math) pathway that incorporates principles in electricity, electronics, mechanics, programming and information technology. A portion of this Mechatronics course will be focused on teaching students the use and application of the Arduino Uno microcontroller, a very popular “mini-computer” of sorts, using graphical programming. Students will progress through a variety of physical lab activities as they learn how to create and/or modify programs that control output devices such as lights, buzzers, LEDs and motors; as well as read from a variety of electronic sensors such as light, touch, pressure and sound. These lab activities are intended to teach students how to construct electrical circuits using schematic and pictures diagrams, as well as how to alter and write computer code that is used to control the electrical circuits. As a culminating project, students will design, construct and program their own take-home arduino based electro-mechanical project - an automated gumball machine!

ELECTIVES: WORLD LANGUAGES



ELECTIVES: WORLD LANGUAGES



N = NCAA Accepted

FRENCH 1

(FOR42101/2)
N

Grades 9-12
1 credit

French 1 introduces students to the French language through practice in listening, speaking, reading, and writing. Students will study basic grammar and conversational phrases. Communication skills will be acquired through the exploration of cultural topics, such as student life, family, leisure activities and food in French-speaking countries. Upon successful completion, students will possess the skills to communicate effectively on straightforward, day-to-day themes.

FRENCH 2

(FOR42201/2)
N

Grades 9-12
1 credit
Prerequisite: Successful completion of middle school French or French 1

Activities that give the student the necessary skills to communicate in French at a very basic level will be a major part of this course. These activities include practice of basic pronunciation, conversational situations, role-playing, descriptions, expansion of vocabulary useful to everyday situations, and grammar and usage study. Cultural aspects are included in each unit. Reading comprehension is developed through selections especially written for this level.

FRENCH 3

(FOR42301/2)
N

Grades 10-12
1 credit
Prerequisite: Successful completion of French 2

This level continues the development of speaking and comprehension skills through grammar development and vocabulary expansion. Each unit contains a specific cultural aspect. During second semester, students read and analyze level-appropriate selections and study one French film.

FRENCH 4

(FOR42411/2)
N

Grades 11-12
1 credit
Prerequisite: Successful completion of French 3 or teacher recommendation based on placement test.

This is an advanced course which is more abstract and academic than previous courses in the department. The review and study of grammar and vocabulary will continue throughout the year's thematic units with an emphasis on improving speaking, reading, and writing skills. Thematic units of study have a cultural context relating to French-speaking countries and/or regions and will use film study, media, art , guest speakers (when available), and literature to achieve and support learning outcomes.

N = NCAA Accepted

ELECTIVES: WORLD LANGUAGES

AP FRENCH

(FOR42601/2)
N

Grades 9-12
1 credit
Prerequisite: Successful completion of French 4 or teacher recommendation based on placement test.

AP French Language and Culture is the equivalent of a 200-level intermediate language course at a university. Through the exploration of six global themes (Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, Science and Technology) and with the use of authentic French-language literature, film, and media, students will improve their language proficiency and deepen their understanding of French-speaking cultures. Students will have the opportunity to take the AP test at the end of the year for university placement and/ or credit.

SPANISH 1

(FOR41101/2)
N

Grades 9-12
1 credit

Spanish 1 students will practice basic grammar and phrases in conversational situations in order to begin developing speaking skills. Emphasis will also be placed on developing listening skills. Students will acquire communication skills through studying various cultural topics like food, leisure activities, and student life in Spanish-speaking countries.

SPANISH 2

(FOR41201/2)
N

Grades 9-12
1 credit
Prerequisite: Successful completion of middle school Spanish or Spanish 1

Activities that give the student the necessary skills to communicate in Spanish at a very basic level will be a major part of this course. Emphasis will be placed on vocabulary building, grammar usage, writing, and pronunciation in order to allow for better self-expression in Spanish. The presentation of basic cultural knowledge of Spanish-speaking people will be a focus throughout the course. *Students who are weak in Spanish I concepts should expect to have to work harder to be successful.

SPANISH 3

(FOR41301/2)
N

Grades 10-12
1 credit
Prerequisite: Successful completion of Spanish 2 or teacher recommendation based on a placement test.

This is an intermediate Spanish course. Emphasis in this course will be placed on improving speaking and writing skills through the expanded study of vocabulary and grammar. Students will be expected to combine previously learned material with new concepts. Therefore, students who are weak in Spanish II concepts should expect to have to work harder to be successful. Pair and small group practice is an integral part of the class.

N = NCAA Accepted

SPANISH 4

(FOR41401/2)
N

Grades 11-12
1 credit
Prerequisite: Successful completion of Spanish 3 or teacher recommendation based on a placement test.

This is an advanced course which is more abstract and more academic than previous courses in the department. The review of grammar and the study of vocabulary will continue throughout the year with major emphasis on improving speaking, reading, and writing skills. Units of study focus on humanities or culture, such as music, celebrations, and current social issues in Spanish-speaking countries.

AP SPANISH

(FOR41601/2)
N

Grades 9-12
1 credit
Prerequisite: Successful completion of Spanish 4 or teacher recommendation based on a placement test.

AP Spanish Language and Culture is the equivalent of a 200-level intermediate language course at a university. Through the exploration of six global themes (Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, Science and Technology) and with the use of authentic Spanish-language literature, film, and media, students will improve their language proficiency and deepen their understanding of Spanish-speaking cultures. Students will have the opportunity to take the AP test at the end of the year for university placement and/ or credit.

EDUCATIONAL INTERNSHIP (EDUINTN)

Grade 11-12
.5 credit

Students must apply (application found here) for this experience. Students may apply to this unpaid internship program to provide an opportunity for our students interested in Education as a future career pathway (not including Early Childhood Education). This program would be similar to the Youth Apprenticeship Program to align with current programming. The program includes a partnership with an elementary (or other local) licensed educator willing to mentor a High School student in an Education Pathway in 11 and/or 12 grade. The partnership would focus on grades K-6. A skills checklist will be established and used to evaluate the HS student at the end of the program, with periodic in-person evaluations to be completed by the Career & Technical Education Coordinator. Students will be allowed to schedule internship releases into their schedule the same as other work-based learning students. Students will be responsible for their transportation to the approved internship site. This opportunity is an unpaid internship experience. However, students will earn credit for the internship based on the minimum hour requirement being met, journaling requirements, and a record of successful evaluations. Students may repeat this experience for up to two years.

OTHER CREDIT OPPORTUNITIES

TEACHING ASSISTANT

Grade 12
.5 credit/semester (Max of 1.0)
Prerequisite: Senior with a minimum GPA of 2.5

The primary purpose of a Teaching Assistant (TA) is to provide students with additional experiences and opportunities for learning that are not provided through regular course enrollment. The teacher and the student will establish responsibilities that may include assisting the teacher in delivering a lesson, demonstrating procedures, tutoring students, and assisting with curriculum materials. Examples of a TA may include: a teacher's aide, lab assistant, or IMC aide. The teacher and the student may submit another type of assistantship to the principal for approval.

Students must complete "The Application for Teacher Assistantship" before enrolling in the class. It is the student's responsibility to find a staff member willing to take on a TA. They will receive a Pass (P) or Fail (F) grade, and if passed, it will not impact their grade point average.

INDEPENDENT STUDY

Grade 12
.5 credit/semester (Max of 1.0)
Prerequisite: Senior with a minimum GPA of 3.0

Independent Study is intended for the student, who in the teacher's estimation, would benefit from additional study in a particular curricular area. The independent study is intended to provide learning and/or research opportunities for the student in areas that are not available in the MGHS curriculum. The student will be evaluated on the four point grading scale and will therefore be calculated into the GPA.

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MONONA GROVE YOUTH APPRENCTICESHIP PROGRAM

Wisconsin's Youth Apprenticeship program is a Department of Workforce Development program targeting high demand industry sectors in the state. Students in 11th or 12th grade are able to use this opportunity to be employed at local businesses where specific job related skills are learned and reinforced. Youth Apprenticeship is a one or two year opportunity requiring 450 hours of on-the-job experience per year.

In addition to the hour requirement, students must enroll in concurrent classes related to their apprenticeship and complete regular check-in assignments with the MGHS Career and Technical Education Coordinator to earn credit for the program. Students interested in participating in Youth Apprenticeship can join this Canvas course to apply. They should schedule a meeting with the Career and Technical Education Coordinator before completing the Youth Apprenticeship application. Students who wish to participate in Youth Apprenticeship should plan to enroll in a full course load during registration time. After the student has been accepted into Youth Apprenticeship and employment has been secured, release time for Youth Apprenticeship will be added to the student's schedule. Students will not be allowed to be released from school to work until after their Education Training Agreement meeting and all required paperwork is in place.

Apprenticeship placement is in the community and will be off site. View the list of Youth Apprenticeship programs and pathways, along with their corresponding checklists. Students will need to provide their own transportation and employment placements are not guaranteed.

In the event MGHS does not offer suitable related coursework to fit the needs of the Youth Apprentice, students may need to enroll in either a Start College Now class through Madison College, an asynchronous virtual class through an online vendor, or take an evening class in order to satisfy this requirement.

EARLY COLLEGE CREDIT PROGRAM & START COLLEGE NOW

The Early College Credit Program (ECCP) and Start College Now (SCN) programs were established to allow students to enroll at an institution of higher education in Wisconsin to take courses that lead to credit toward high school graduation. Grades earned at a postsecondary institution will likely count in the high school GPA because the district pays for the courses in most cases.

The ECCP is open to students in grades 9-12 and covers courses taken at a UW System school or private college. Courses may be taken during the Fall, Spring, and Summer semesters. The SCN program is open to students in grades 11-12 and covers courses taken at Madison College. Courses may be taken during the Fall and Spring semesters.

Participating in ECCP/SCN may limit the number of courses a student can take at MGHS. Courses requested can't be similar or equivalent to courses offered by the district. Applications are available online (ECCP application link, SCN application link) and from your school counselor. If you wish to participate in ECCP/SCN, discuss your plans with your school counselor. Students must complete the application and return it to their school counselor prior to the state-mandated deadlines (please allow for ample processing time at the school level in order to meet the deadline for submission):

- October 1st for spring courses
- February 1st for summer courses (ECCP only)
- March 1st for fall courses

Prospective ECCP/SCN students must register for a full schedule of MGHS courses. Changes to their MGHS schedule will be made upon enrollment in their ECCP/SCN course and as their schedule allows. Students must meet institutional entrance requirements and are only enrolled if there is space available in the requested course.

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NONDISCRIMINATION & ACCESS TO EQUAL EDUCATIONAL OPPORTUNITY

The Monona Grove School District Board of Education is committed to providing an equal educational opportunity for all students in the District.

The Board does not discriminate on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including gender status, change of sex or gender identity), or physical, mental, emotional, or learning disability (Protected Classes) in any of its student program and activities. This policy is intended to support and promote non-discriminatory practices in all District and school activities, particularly in the following areas:

A. use of objective bases for admission to any school, class, program, or activity;
B. prohibition of harassment towards students and procedures for the investigation of claims (see Policy 5517);
C. use of disciplinary authority, including suspension and expulsion authority;
D. administration of gifts, bequests, scholarships, and other aids, benefits, or services to students from private agencies, organizations, or persons;
E. selection of instructional and library media materials in a nondiscriminatory manner and that reflect the cultural diversity and pluralistic nature of American society;
F. design and implementation of student evaluation practices, materials, and tools, but not at the exclusion of implementing techniques to meet students' individual needs;
G. design and configuration of facilities;
H. opportunity for participation in extra-curricular and co-curricular activities provided that separate programs for male and female students may be available provided comparable activities are made available to all in terms of type, scope, and District support; and the school lunch program and other school-sponsored food service programs.

The Board is also committed to equal employment opportunity in its employment policies and practices as they relate to students. The Board's policies pertaining to employment practices can be found in Policy 1422, Policy 3122, and Policy 4122 - Nondiscrimination and Equal Employment Opportunity.

The District will identify, evaluate, and provide a free appropriate public education to students with disabilities who are determined eligible for special education and related services under the Individuals with Disabilities Education Act (IDEA) or Section 504 of the Rehabilitation Act of 1973 (Section 504).

The District's educational programs include the academic and non-academic setting. Each qualified student with a disability shall be educated with students without disabilities to the maximum extent appropriate. In the nonacademic setting, a student with a disability shall participate with students without disabilities to the maximum extent appropriate.

Notice of the Board's policy on nondiscrimination and the identity of the District's Compliance Officer(s) (see below) will be published on the District's website, posted throughout the District, and included in the District's recruitment statements or general information publications.

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GET IN TOUCH

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