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2023-2024 Monona Grove High School Course Handbook



MGHS COURSE HANDBOOK 2023-2024

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 FOR 2023-2024

- 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 credits must be successfully completed in order to receive a diploma:

English	4 credits
Math	3 credits
Science	3 credits
Social Studies	3 credits
Physical Education	1.5 credits
Health & Wellness	0.5 credit
American Government *	0.5 credit
Personal Finance	0.5 credit
Additional elective credits	<u>8 credits</u>
Total Credits	24 credits

* Seniors 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 I	Physics or AP Physics I
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

Grade IE	
Semester 1	Semester 2
English	English
American Government or AP Government	Personal Finance
Elective	Elective
Study Hall or Elective	Study Hall or Elective

Course Selection/Registration – January/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.
- School counselors will notify students if selected courses will not be offered due to low enrollment or budget constraints. Staffing and budgeting decisions for the following school year are made based on the student course selections. The master schedule is developed based upon student course selections and to create balanced classes.

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.

Course changes after classes begin:

- 1. Students can drop a class for a study hall if they maintain at least seven classes per semester (3.5 credits per semester).
- 2. Students can switch levels (i.e. AP US History to US History) if space is available in the new course and the rest of your schedule can accommodate the change.
- 3. Other change requests will be reviewed after the first four days of classes.
- 4. Changes will be made, after the student's school counselor or case manager receives parent/guardian approval, and if space is still available.

Days 1 – 4:

During the first four days of classes, no changes will be made.

Days 5 – 10:

Changes will be made, after the student's school counselor or case manager receives parent/guardian approval, and if space is still available. There will be no record of the course on the student's transcript.

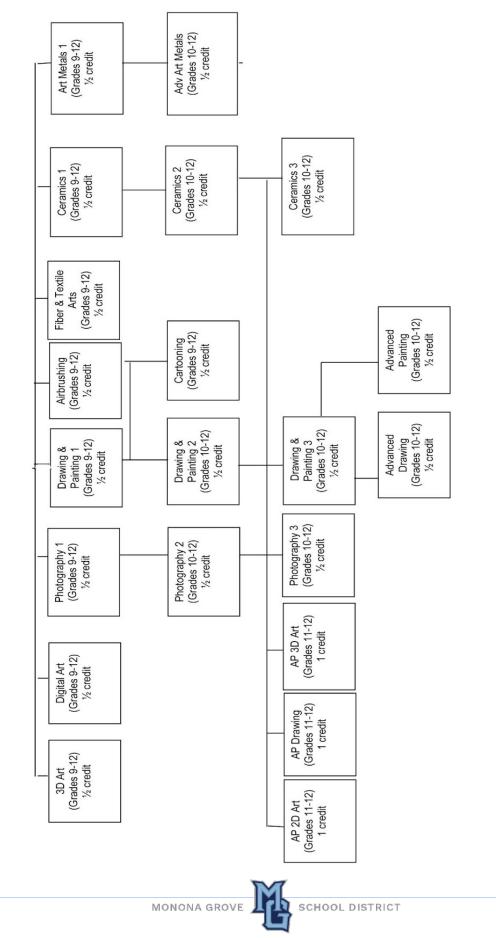
Days 11 – last day of quarter 1 or 3:

Drops will be made, after the student's school counselor or case manager receives teacher and parent/guardian approval. The student will receive a "W" on their transcript. This notation will not impact a student's GPA.

After 1st or 3rd quarter ends:

If a course is dropped after the end of first/third quarter an "F" is reflected on the student's transcript and this grade is calculated into the student's cumulative GPA.





Art

Revised 12/20/2022

ART

COURSE TITLE: DESCRIPTION:	Airbrushing This one-semester course offers stude traditional 2D courses offered at MGH enhance their marketability to college:	IS. Students will gain a skill se		
Course Title: Prerequisite: Description:	Cartooning and Graphic Novels Drawing/Painting 1 This course is designed for students w analyzing existing graphic novels, the create their own storyboards. Strong includes group, partner, and individua will be necessary to be successful in t	students learn what elements content as well as artist desig I projects. The emphasis is o	are involved in this n is expected. Gra	s media and learn how to phic Novels and 'Toon Art
Course Title: Description:	Ceramics 1 Students will engage in a beginning-let techniques and aesthetic concepts in creative problem solving while applyin responding, and connecting to works Core Arts Standards.	ceramics. All projects are des g technical skill. Students will	igned to develop cr develop skills in cr	itical thinking, reflection, and eating, presenting,
Course Title: Prerequisite: Description:	Ceramics 2 Ceramics 1 Students will continue to explore the c forms. Students will assist other stude			
Course Title: Prerequisite: Description:	Ceramics 3 Ceramics 2 Students will work with complex forms sculptural material in combination with		(Grades 10-12) ½ rking with clay as a	
Course Title: Description:	Digital Art In this course, students learn to create programs. Students learn foundationa developed in design, layout, and lette coordinates well with Graphic Design.	I skills in Photoshop and Adol ring. Previous computer expe	be Illustrator. Comn	nercial art skills will be
Course Title: Description:	3-Dimensional Art This course is an introduction to majo sculptural techniques are explored thr is not dependent upon representation well as a willingness to explore. The 3	ough creating projects using a al sculpting skills, but does re	a variety of media. S quire an ability to w	Success in this course ork independently as
Course Title: Description:	Drawing and Painting 1 This course is a prerequisite to all sub introduction to major concepts and tec basic skills in these areas are emphase presenting drawings & paintings. Wor presented to allow the student a basis	chniques needed for drawing a sized along with practice conn k in the areas of design, draw	and painting. Exper ecting, responding ing, and acrylic pair	ience and to, and
	MONONA GROVE	SCHOOL DISTRICT		

COURSE TITLE:	Drawing and Painting 2	(ART01200)	(Grades 10-12)	1/2 credit
PREREQUISITE: DESCRIPTION:	Drawing and Painting 1 This one-semester course is designed colored pencil, chalk pastel, charcoal, drawing including sketching, perspect along with an art history component. included. Both skill and expression w	pen and ink, brush and ink, a ive, creating a light source. S Figure drawing, portraiture, ar	nd oil pastel. Fund till life and composi	amentals of tion will be stressed
Course Title: Prerequisite: Description:	Drawing and Painting 3 Drawing 2 or Painting 1/Drawing and This one-semester course will continu projects in watercolor and acrylic pain be pursued in both drawing and painti be included. There will be an emphase style.	e the development and refine ting. Advanced methods in fig ng. Collage will be introduced	gure drawing and po d. An art history co	ills as well as ortraiture will mponent will
Course Title: Prerequisite: Description:	Advanced Drawing Drawing 2/Drawing and Painting 2 This one-semester course will focus of media including pencil, colored pencil scratchboard. Advanced figure drawin explored. An art history component w individual style along with an emphasi	, pen and ink, charcoal, chalk ng, portraiture and projects in vill be included. There will be a	pastel, oil pastel, an mixed drawing med	nd dia will be
Course Title: Prerequisite: Description:	Advanced Painting Painting/Drawing and Painting 2 Advanced techniques in watercolor, a component including impressionism a develop their own personal style whic	nd expressionism. Students v	will be encouraged	
Course Title: Description:	Art Metals 1 Art Metals is an introduction to design will learn basic skills in piercing, forgir requires patience, hard work, and the	ng, soldering, and creating we	arable metal work.	This course
Course Title: Prerequisite: Description:	Advanced Art Metals Art Metals 1 This one-semester course uses the kn advanced work. Stress is on creating using a combination of methods.			oing more
COURSE TITLE: DESCRIPTION:	Fiber and Textile Arts Textiles are a part of our everyday live Textiles connect us to our commun students will learn about working w We will explore a variety of hands- weaving, block printing, and other projects through the lens of sustain take this course might consider tak	nities, cultures and our plane vith fibers and textiles as an on skills such as embroider fiber related crafts. Studen nability, self care and artistic sing Fashion Design as a co	tection, warmth a et. In this semest artistic medium fo y, sewing, felting, ts will also study a problem solving.	er-long course, or expression. knitting/crochet, and create textile Students who
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also consider taking the AP 3D Art and Design course as a Junior or Senior if they wish to continue their learning in the realm of textiles, fibers, clothing, and fashion.

COURSE TITLE: Photography 1 (ART01900) (Grades 9-12) ½ credit DESCRIPTION: This course will introduce students to all basic aspects of black and white photography beginning with the history of photography. Students will learn basic artistic composition for photography. They will be instructed on camera use, such as how to set the camera's focus, shutter speed, F-stop, and ASA adjustments. Students will develop black and white film and work with a photographic enlarger to develop and print the images. Students will mount their photographs for presentation. Students must have access to either an automatic or adjustable film camera in order to take this course- not a digital camera. Students must bring a working camera the first week of class unless alternate arrangements are made with the instructor. Adjustable 35mm SLR cameras are preferred but not required. There will be some exposure to digital and Photoshop.

COURSE TITLE: Photography 2 (ART01910) (Grades 10-12) ½ credit PREREQUISITE: Photography 1 This course will emphasize the refinement of technical skill in camera handling and darkroom use. Topics of portrait lighting, posing a model, stop/blur action, depth of field, and special effects will be explored. Students will learn more advanced presentation techniques. Students in this advanced course should also expect to study contemporary photographers, concepts and themes. Photo II will allow students to propose a self-directed series of photos. The goal of this course is for students to create thoughtful images with meaning, in addition to visuals, compositional interest and technical

refinement. Digital photography will also be explored. An adjustable 35mm SLR camera is required for this course.

COURSE TITLE: Photography 3 (ART01920) (Grades 10-12) ½ credit PREREQUISITE: Photography 2 DESCRIPTION: This semester course will build on the techniques and skills learned in B&W Photo, and Photography 2. Emphasis will be half black and white film and half digital with advanced techniques taught in both disciplines. An Adjustable 35 mm SLR camera is required for this course.

COURSE TITLE:AP Art: Drawing(ART01711/2)(Grade 11-12)1 CreditPREREQUISITE: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 course1 CreditDESCRIPTION:AP Art is a year long class focused on building a portfolio of art works for submission to the
College Board. The main objective of this course is to help students develop their creative
voice and learn through the process of inquiry. Students will support each other's artistic growth
through critiques and discussion. Students can choose one of three portfolios; 2D Design, 3D
Design or Drawing, all of which are contained within the "AP Art" class.

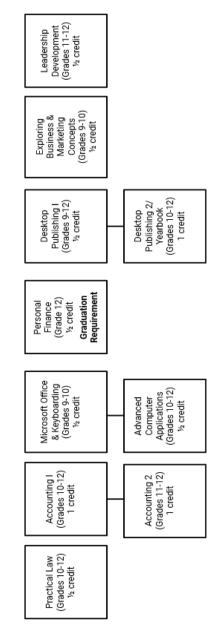
The AP Drawing program corresponds to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. This course addresses design issues and involves decision making about how to use the elements and principles of art in an integrative way. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.

COURSE TITLE: AP Art: 2D Art & Design (ART01511/2) (Grade 11-12) 1 Credit 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 DESCRIPTION: AP Art is a year long class focused on building a portfolio of art works for submission to the College Board. The main objective of this course is to help students develop their creative voice and learn through the process of inquiry. Students will support each other's artistic growth through critiques and discussion. Students can choose one of three portfolios; 2D Design, 3D Design or Drawing, all of which are contained within the "AP Art" class. The AP 2D Design program corresponds to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level guality, artistic

flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. This course addresses two-dimensional design issues and involves decision making about how to use the elements and principles of art in an integrative way. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.

COURSE TITLE:AP Art: 3D Art & Design(ART01611/2)(Grade 11-12)1 CreditPREREQUISITE: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 courseAP Art is a year long class focused on building a portfolio of art works for submission to the
College Board. The main objective of this course is to help students develop their creative
voice and learn through the process of inquiry. Students will support each other's artistic growth
through critiques and discussion. Students can choose one of three portfolios; 2D Design, 3D
Design or Drawing, all of which are contained within the "AP Art" class.

The AP 3D Design corresponds to the college foundation courses. Portfolios allow flexibility of coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work. This course addresses three-dimensional design issues and involves decision making about how to use the elements and principles of art in an integrative way. Students' portfolios demonstrate skills and ideas developed, refined, and applied throughout the course to produce visual compositions. Students may choose to submit any or all of the portfolios. Portfolios are evaluated based on standardized scoring descriptors aligned with skills and understanding developed in college foundation courses.



Business Education



BUSINESS EDUCATION

COURSE TITLE: DESCRIPTION:	Accounting 1 Accounting is a one-year course that teaches bat how to set up and maintain an accounting syster Emphasis in the course is placed on learning hor and financial statements. In addition, payroll syst depreciation, notes and interest, and accrual acc corporation is introduced. Two business simulat atmosphere for integrating the principles and cour a career in the field of business or marketing occ	n for a service business ar w to use various types of jo tems, checking accounts, s counting are presented. Ac ions done during the year l ncepts learned. Accounting	nd a merchandising b burnals, ledgers, work sales tax, bad debts, ccounting for a partne help to provide a real	usiness. ksheets, ership and istic
Course Title: Prerequisite: Description:	Accounting 2 Accounting 1 Accounting 2 continues teaching the principles le Receivable, Inventory, Investments and Deprecia payments, sales, accounts receivable and payak study of a second year of accounting is an excel accounting courses and business majors as well addition, the cost, budgeting, and financial analy Workbook problems and online coursework are	ation in addition to review of ole, business reports, payro lent background and prepa as being a helpful qualifie sis topics are useful tools f	of journals, ledgers, c oll records, and taxes aration for college bus r for jobs in the busin for the new entrepren	ash The siness and ess field. In
COURSE TITLE: DESCRIPTION:	Microsoft Office & Keyboarding Effective communication via prepared document imperative skill in the world of business and mar a tool to explore the Microsoft Office Suite. In ad Excel, students will also work daily on mastering application skills are an absolute necessity for w	keting. In this course, stude dition to learning about Wo the life-long skill of keyboa	ents will use compute ord, PowerPoint, and	is an
COURSE TITLE: DESCRIPTION:	Desktop Publishing 1 Students will be introduced to creating documen Photoshop. Page layout, design, and basic photo preparation and placement of photographs in do opportunity to create their own professional docu booklets, magazine spreads, and produce schoo programs. Also, students will be introduced to the appear in our publication, the Silver Scroll. Created	ography editing will be cove cuments will be practiced. uments such as letterhead of documents such as sport ne school yearbook by creat	ered. In addition, Students will have th , business cards, flye t rosters, calendars a ating one page that w	d ers, nd
Course Title: Prerequisite: Description:	Desktop Publishing 2/Yearbook Desktop Publishing 1 and/or consent of instructor This course will primarily be responsible for creat develop skills learned in Desktop Publishing 1. If Adobe software as well industry-standard online publications. Manipulation of photographs and w class periods. Students will be required to attem photograph and record these events for the year Photoshop to create other documents such as sp	ting the yearbook. Studen More advanced skills will b applications specifically fo vorking with layouts are ski d school events as assignr book. Students may also	e developed using r creating yearbook ills worked with most nents for class to use InDesign and	

(BUS21810)

(Grades 10-12)¹/₂ credit

PREREQUISITE: Microsoft Office & Keyboarding or Teacher Approval **DESCRIPTION:** You might have used the Microsoft Office Suite, but do you know all of its advanced features? In Advanced Comp Apps you will learn how to format Microsoft Word documents to create materials such as resumes, cover letters, and memos. You'll explore how to develop formulas in Excel to analyze sports and entertainment data. Through this course you will also refine your professional presentation skills while working with PowerPoint. Other concepts in Advanced Comp Apps include social media for business, the use of Google Forms, how the internet has changed the global business landscape, current technology news, how the cloud works, and the use of ERP for logistics. This advanced computer course will teach you the skills needed to be successful in the business world.

COURSE TITLE:

Advanced Computer Applications

- COURSE TITLE: Exploring Business and Marketing Concepts (BUS21000) (Grades 9-10)¹/₂ credit **DESCRIPTION:** 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.
- COURSE TITLE: **Personal Finance** (BUS21340) (Grade 12) $\frac{1}{2}$ credit Financial literacy is essential in meeting the financial challenges students will face in the future. DESCRIPTION: 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.

(BUS21200) COURSE TITLE: Practical Law (Grades 10-12) ¹/₂ credit DESCRIPTION: 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.

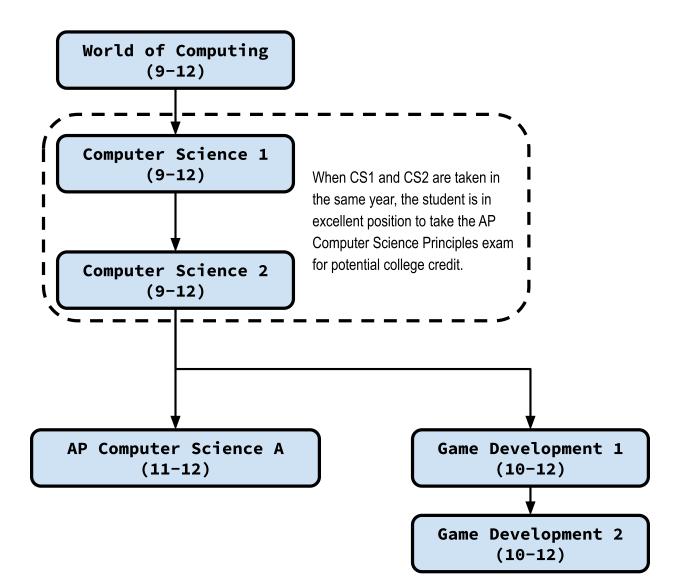


COURSE TITLE: Leadership Development (BUS01000) (Grades 11-12) ¹/₂ credit

DESCRIPTION: 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.



Computer Science





COMPUTER SCIENCE

COURSE TITLE: DESCRIPTION:	Are you curious about how geared toward freshmen b digital world. Topics includ to programming. Each un	(CPT18000) v the smartphone in your poo out open to anyone, will use e e how computers work, digita it in this course will develop y attern recognition and design by field you choose.	exploratory projects to di al communication, data vour computational thin	scover what powers the analysis and an introduct king skills, such as	ion
Course Title: Prerequisites: Description:	Successful completion of M This course will introduce a thinking practices. The Pyt problems, with an emphas course also explores how <i>Computer Science 1 and 2</i>	(CPT61900) World of Computing and/or company of the core principles of thon programming language sis on the foundational conce the internet works and the im 2 qualifies the student for pot ting CS1 and CS2 in the same	f computer science whil will be used to solve inc pts of variables, condition pact of technology inno ential college credit via	reasingly complex onals and iteration. The vation on society. <i>Taking</i> the AP Computer Science	
Course Title: Prerequisites: Description:	Computer Science 2 continues solving, and programming students. Central to this s types and manipulate it us compression and data scies and 2 qualifies the students.	(CPT61920) nues developing programmin , all within the context of prot emester course is data. Stuc ing computational math in Py ence will form the basis of prot t for potential college credit w in the same year is recommended.	blems that are relevant t lents will model real-wor /thon. A variety of topics ogramming projects. <i>Tal</i> <i>ia the AP Computer Sci</i>	o the lives of today's Id data using complex da s such as cryptography, d king Computer Science 1 ence Principles exam.	lata
Course Title: Prerequisites: Description:	This course intends to pre one-semester introductory solutions to problems, the implementation of algorithm emphasizes object-oriente program and complete la depending upon comfort	(CPT61941/2) CS teacher recommendatio pare students for the AP Correctly college course in the science use of data structures to org ms to process data and the a ed design using the Java prog abs outside of class for app t with the material. Semes course over 2 different acad	nputer Science A exam e of programming. Topic anize large sets of data, inalysis of potential solu gramming language. Stu proximately 30 - 90 min ter One is a prerequis	the development and tions. The course idents should plan to nutes per class , ite for Semester Two .	AP & N
Course Title: Prerequisites: Description:	of 2D games. This course	(CPT61940) n interactive project based co offers those advanced stude will use PhotoShop, GameMa	nts an opportunity to pro	ogram and develop	•

gaming needs.

COURSE TITLE: Game Development 2

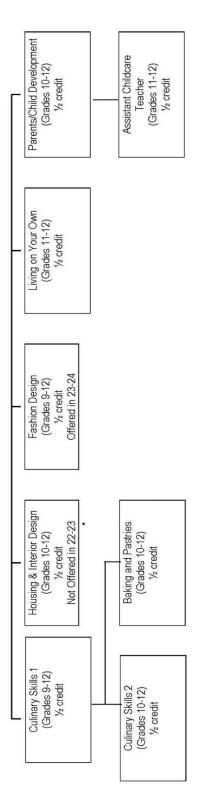
(CPT61930) (Grades 10-12)

1/2 credit

PREREQUISITES: Game Development 1

- DESCRIPTION: Game I
 - 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.





Updated 12/12/2022



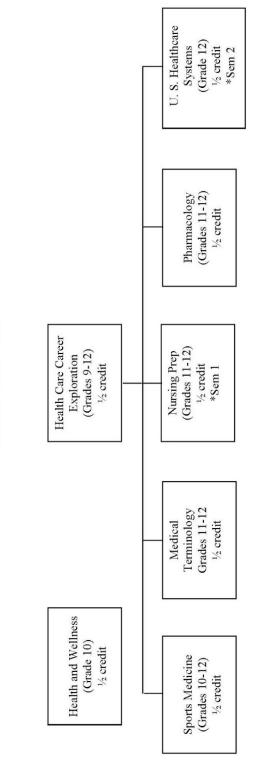
FAMILY and CONSUMER SCIENCES

COURSE TITLE: Parents/Child Development (FAM71280) (Grades 10-12) ¹/₂ credit Learning how to be a successful parent is one of the most important jobs in your life. This course is DESCRIPTION: 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! COURSE TITLE: Assistant Childcare Teacher (FAM71290) (Grades 11-12) ¹/₂ credit DESCRIPTION: Prerequisite: Juniors and Seniors who have completed Parenting and 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. COURSE TITLE: **Culinary Skills 1** (FAM51110) (Grades 9-12) ¹/₂ credit DESCRIPTION: 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. *This course is a prerequisite for Culinary Skills 2 and Baking and Pastries. COURSE TITLE: Culinary Skills 2 (FAM51220) (Grade 10-12) 1/2 credit PREREQUISITE: Successful completion of Culinary Skills 1 DESCRIPTION: 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. COURSE TITLE: **Baking and Pastries** (FAM51250) (Grades 10-12) 1/2 credit PREREQUISITE: Successful completion of Culinary Skills 1 DESCRIPTION: 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.

COURSE TITLE: Fashion Design (FAM51100) (Grades 9-12) ½ credit DESCRIPTION: 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. This class is offered on an every other year schedule. It will be offered in 2023-2024.

- COURSE TITLE: Housing and Interior Design (FAM51810) (Grades 10-12) ½ credit DESCRIPTION: 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. This class is offered on an every other year schedule. It WILL NOT be offered in 2023-2024.
- COURSE TITLE: Living On Your Own (FAM51410) (Grades 11-12) ½ credit DESCRIPTION: 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.

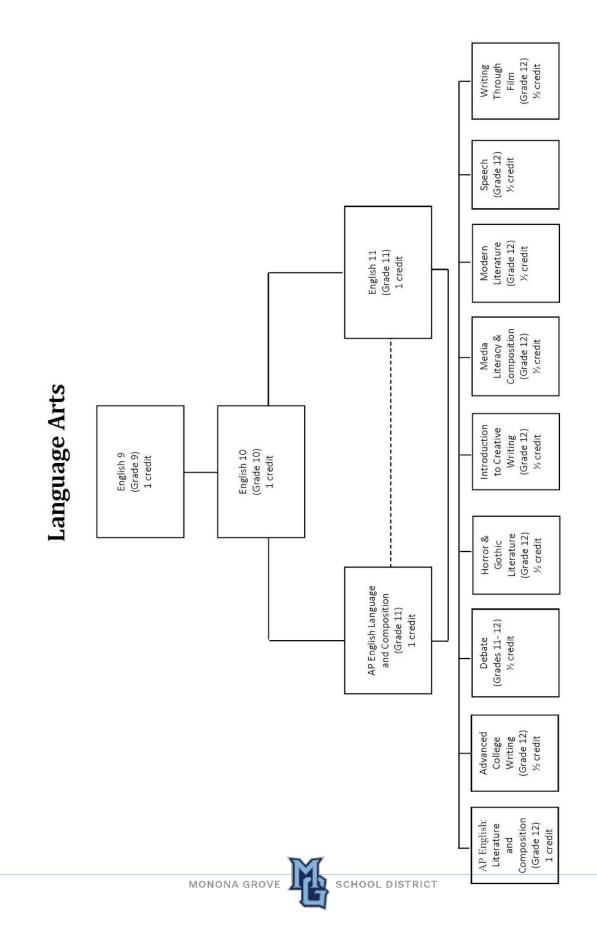


Health Sciences

HEALTH and HEALTH SCIENCES

Course title: Prerequisite:	Health and Wellness Required for all Sophomores	(HLT71350)	(Grade 10)	1/2 credit		
DESCRIPTION:	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.					
COURSE TITLE: DESCRIPTION:	Healthcare Career Exploration If students want to explore possible car	(MED71110) reer choices, this is the place to	(Grades 9-12) be! This course	¹ / ₂ credit is designed to		
	introduce students to a wide variety of the educational and physical requirement discussed. The healthcare system with to ethical, legal and safety conditions in strategies and tools. Students in this c Chapter of HOSA: Future Health Profest Science courses.	health careers. The nature and ents, as well as personal chara n a historical perspective is pre n healthcare. The students will ourse are encouraged to becom	d scope of the prof cteristics of each o sented. The stude investigate career me members of the	fession including career are ents are introduced security e Monona Grove		
COURSE TITLE: PREREQUISITE:	Sports Medicine Healthcare Career Exploration or conse	(MED71190) ent of instructor	(Grades 10-12)	¹ ∕₂ credit		
DESCRIPTION:	This course is designed to give student Course content will range from such to topics, such as prevention, rehabilitation practical, hands-on experience in the a emergency first aid procedures. Stude Grove Chapter of HOSA: Future Health	ts a broad introduction to the m pics as the emergency care an n, and conditioning. The labs reas of wrapping, taping and p nts are encouraged to become	d evaluation of ath are designed to gi adding, as well as	iletic injuries to ve students learning		
Course Title: Prerequisite:	Medical Terminology Healthcare Career Exploration, Sports	(MED71150) Medicine or Anatomy and Phys	(Grades 11-12) siology is recomm			
DESCRIPTION:	interest in the medical field, ability to fo This semester course is designed for s terminology as it pertains to body syste diagnostic procedures, and medical tes Students are encouraged to also purch <i>class.</i> Students are encouraged to be Future Health Professionals.	tudents who plan to pursue a coms will be covered in detail, as sts. Students will be required to ase notecards. *Note: There	areer in healthcard well as medical a purchase a text/v is a \$50.00 work	e. Medical bbreviations, workbook. book fee for this		
COURSE TITLE: PREREQUISITE:	Pharmacology	(MED71200) ealthcare Career Exploration a	(Grades 11-12)			
	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					
DESCRIPTION:	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.					

Course title: Prerequisite: Description:	Nursing Prep Juniors and Seniors who have tak nursing or one of the many related This course provides the knowled multiple levels. Students will be in avenues that a nursing degree ca readings, testimonials, skill labs, a addressed, as well as, skills need become active members of HOSA	d health sciences ge and nursing skills that are ofte troduced to the different levels of n be attained. Students will explo and discussions. Other soft skills ed to work with a variety of popul	n needed to go into f nursing certification ore the career of nur needed in the nursir	l in a career in the nursing field at n and different rsing through ng profession will be		
Course Title: Prerequisite: Description:	If students are interested in learni Healthcare System is planned to human dilemmas that healthcare explore the constant changes in the populations. Students will review career related information is also	S. Healthcare Systems(MED71210)(Grade 12)½ creditealthcare Career Exploration or Intro to Biotechnology or consent of instructorstudents are interested in learning more about the healthcare/human services career clusters, U.S.ealthcare System is planned to meet those needs. Students will explore the ethical, bioethical, anduman dilemmas that healthcare workers and others face because of new technology. Students willxplore the constant changes in the U. S. Healthcare System and how those changes affect differentopulations. Students will review and be updated on disease, disorder, and drug information. Pertinentareer related information is also included. Students are encouraged to become active members of thelonona Grove Chapter of HOSA: Future Health Professionals.				



Revised 12/12/2019

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.

FRESHMAN COURSES

COURSE TITLE: English 9 (ENG32111/2) (Grade 9) 1 credit N DESCRIPTION: 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

COURSE TITLE: English 10 (ENG32211/2) (Grade 10) 1 credit N DESCRIPTION: 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

- COURSE TITLE: AP English Language and Composition (ENG31611/2) AP N (Grade 11) 1 credit This is a year- long rhetoric course focusing on the analysis, synthesis, and evaluation of complex function DESCRIPTION: 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 rewriting phase. 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.
- COURSE TITLE: English 11 (ENG31311/2) (Grade 11) 1 credit N DESCRIPTION: 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.

COURSE TITLE: AP N AP English: Literature and Composition (ENG31591/2) (Grade 12) 1 credit DESCRIPTION: 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

COURSE TITLE: Advanced College Writing (ENG31620) (Grade 12) ¹/₂ credit N DESCRIPTION: Advanced College Writing (ENG31620) (Grade 12) ¹/₂ credit N The learning objective for this semester-long college prep course is to strengthen students' comfort, confidence, and consciousness with writing at the college level. Reading, writing, and rhetorical skills are the foundation of this course. Students will critique various non-fiction compositions for effectiveness and learn to model good writing. Students will write using various modes of discourse: description, comparison/contrast, classification and division, and persuasive writing. Students will also review and practice the elements of style, usage, and grammar, as well as work on vocabulary-building and proper MLA research format. The course is open to seniors only.

COURSE TITLE: Debate and Argumentation (ENG31460) (Grade 11-12) ¹/₂ credit N DESCRIPTION: 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. It is especially recommended for college-bound students.

COURSE TITLE: Horror and Gothic Literature (ENG31500) (Grade 12) ½ credit N DESCRIPTION: 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.

COURSE TITLE: Introduction to Creative Writing (ENG31320) (Grade 12) ½ credit N DESCRIPTION: 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.

COURSE TITLE: Media Literacy and Composition (ENG31330) (Grade 12) ¹/₂ credit

PREREQUISITE: Students should have an average to above-average writing skills.

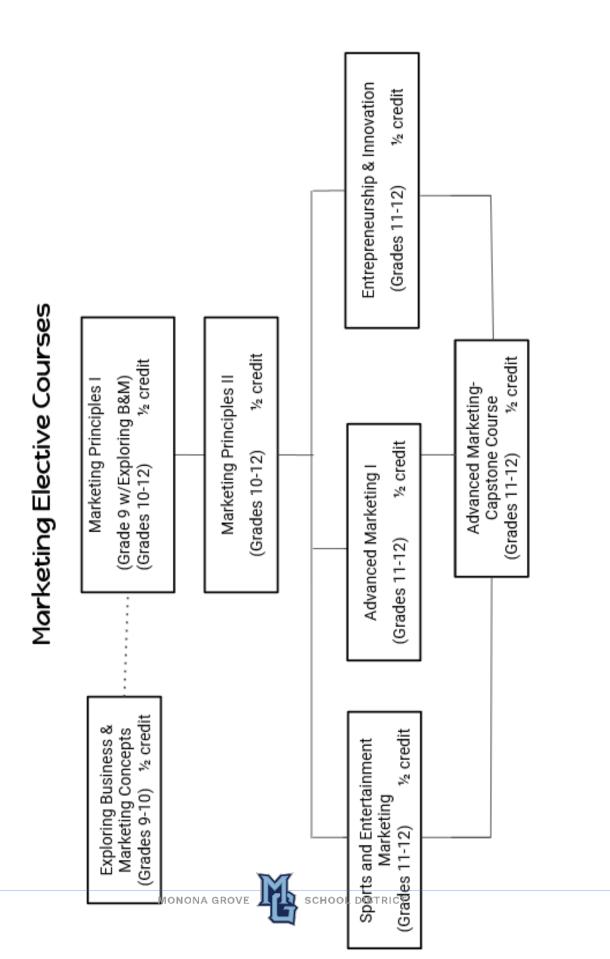
DESCRIPTION: This English elective is designed to introduce and develop media literacy, which is the ability to question critically, understand, interpret, analyze, and evaluate the content, intent, strategies, and effects of the mass media. Being media literate means that one controls the interpretation 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.

COURSE TITLE: Modern Literature (ENG31490) (Grade 12) ¹/₂ credit N DESCRIPTION: The core learning goals for this reading intensive course are anchored around the Common Core State Standards. 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 five titles in this semester-long course. 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. On average, students will read a minimum of fifty pages per class period.

COURSE TITLE: **Speech** (ENG31450) (Grade 12) ½ credit N DESCRIPTION: 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. This **college preparatory course** is designed to reinforce oral and written communication skills.

COURSE TITLE: Writing Through Film (ENG31480) (Grade 12) ¹/₂ credit DESCRIPTION: In this elective class, film will serve as the medium by which students work to improve their writing and critical thinking skills. 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. If a student merely wants to "kick back" and watch films, this course is not recommended. It will, however, meet the expectations of those 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.

Key: N = NCAA Accepted



MARKETING EDUCATION

 COURSE TITLE:
 Marketing Principles I
 (MKT11000)
 (Grades 9-12)
 ½ credit

 PREREQUISITE:
 Exploring Business & Marketing Concepts (Required: Grade 9, Preferred: Grades 10-12)

 DESCRIPTION:
 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 Marketing Principles I.

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.

(Grades 10-12) ¹/₂ credit

COURSE TITLE: Marketing Principles II

PREREQUISITE: DESCRIPTION:

Marketing Principles I

Marketing Principles II will build on the foundational concepts learned in the Marketing Principles I 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.

(MKT22100)

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.

COURSE TITLE: Advanced Marketing I (MKT22110) (Grades 11-12) ½ credit PREREQUISITE: DESCRIPTION: Advanced Marketing I 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.

COURSE TITLE: Advanced Marketing - Capstone Course (MKT22220) (Grades 11-12) ¹/₂ credit PREREQUISITE: Successful Completion of Advanced Marketing I, Sports & Entertainment Mktg., or Entrp. & Innovation

DESCRIPTION: 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.

COURSE TITLE: Sports and Entertainment Marketing (MKT22200) (Grades 11-12) ¹/₂ credit

PREREQUISITE: DESCRIPTION:

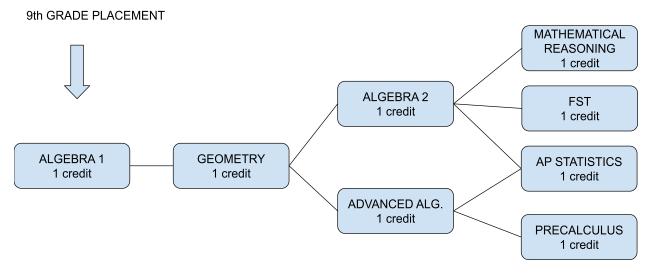
TE: Marketing Principles II (or previously offered Marketing Principles 1 credit course)
 Fiserv Forum, The Kohl Center, and the Overture Center are all entertainment meccas. You can't avoid it. Turn on the television and you're likely to see a sporting event, or an entertainer trying to sell you something. 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. This revenue comes from a variety of sources including sponsorship fees and licensing, advertising, and promotional opportunities.

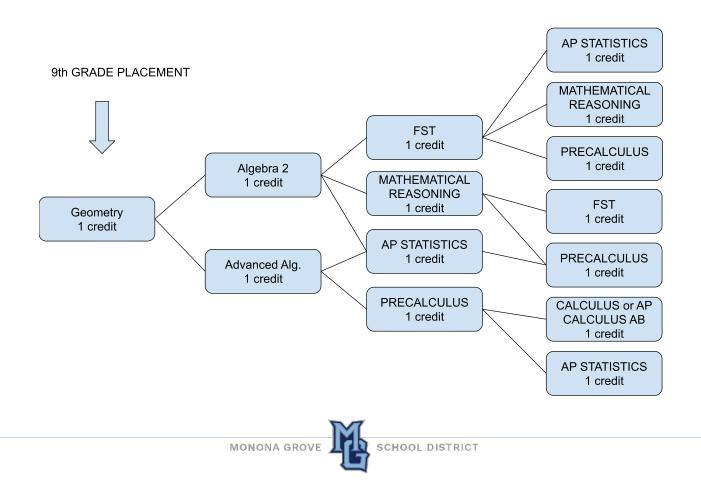
Sports and Entertainment Marketing is a course designed for students interested in learning the essentials of marketing as they relate to the sports and entertainment industries. The essentials of marketing including product development, advertising, public relations, consumer behavior, promotion, publicity, 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.

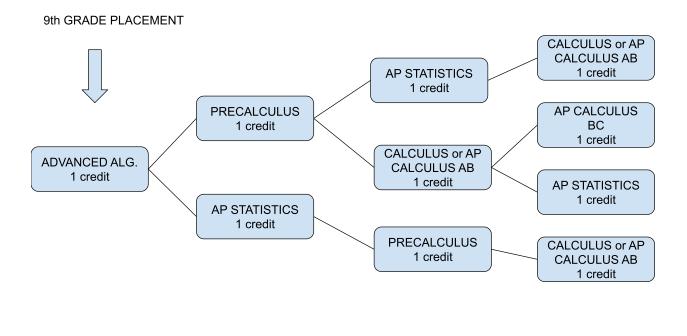
COURSE TITLE:
PREREQUISITE:Entrepreneurship & Innovation(MKT22120)(Grades 11-12)½ creditDESCRIPTION:Marketing Principles II (or previously offered Marketing Principles 1 credit course)Being your own boss, owning your own business; these are the foundations of the American
Dream. This class provides students 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.

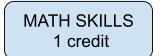
Students will work in and operate The Eagle's Nest School Store. They will learn skills in developing and starting a retail business, and learn business functions that are involved in running a successful operation. Students will study store design and visual merchandising, promotion and advertising, 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.













MATHEMATICS

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

COURSE TITLE: Algebra 1 (MAT61111/2) (Grades 9-12) 1 credit N DESCRIPTION: The teaching-learning model in this algebra class actively engages students in both guided and open-ended mathematical explorations that help make sense of their experiences. Topics covered include linear equations, lines of best fit and real-life models, systems of equations, inequalities, quadratic functions, exponential functions, data analysis, probability, and graphing statistics. Students MUST have their own scientific calculator.

COURSE TITLE: Math Skills (ALEKS) (MAT61701/2) (Grades 9-12) ¹/₂ - 1 credit PREREQUISITE: Recommendation of the Mathematics Department DESCRIPTION: This course will help students who have struggled with math in the past work at their own pace through a computer-based curriculum individualized to the student's needs. Math Skills is for any student who desires more practice with skills at any level. Math instructors must be consulted before enrolling in this course.

- COURSE TITLE: Geometry (MAT61211/2) (Grades 9-12) 1 credit N
- PREREQUISITE: Successful completion of Algebra I or recommendation of the Mathematics Department DESCRIPTION: This course is designed to acquaint students with the properties of one-, two-, and three- dimensional figures in a plane and in space. Students gain experience with inductive reasoning as they perform investigations and make conjectures, and deductive reasoning as they use those conjectures to "explain why" in other situations. Algebra is used throughout the course. Topics include vocabulary, special angles, triangles, polygons, quadrilaterals, circles, area, volume, and trigonometry. **Students are required to have their own scientific calculator; preferably a Texas Instruments TI-30XIIS.**
- COURSE TITLE:
 Algebra 2
 (MAT61311/2)
 (Grades 10-12)
 1 credit
 N

 PREREQUISITE:
 Successful completion of Geometry or recommendation of the math department.
 Algebra 2 is the first year of a two-year advanced algebra course, with FST being year two. In comparison to the one-year course, Advanced Algebra, Algebra 2 is taught at a slower pace with time given to review Algebra 1 concepts as necessary. These concepts are then extended and covered in greater depth. Students study quadratics and other functions, logarithms, and exponential functions. Students are required to have their own scientific calculator; preferably a Texas Instruments TI-30XIIS.
- COURSE TITLE: PREREQUISITE: DESCRIPTION: Functions, Statistics, & Trigonometry (FST) (MAT61411/2) (Grades 10-12) 1 credit N Successful completion of Algebra 2 FST is the second year of the two-year advanced algebra course, with Algebra 2 being year one. This course includes some review of material as necessary, but not as much given in Algebra 2. Concepts studied include polynomials, transformations of functions, trigonometry, statistics, and probability. Students who complete this course with a grade of C or better will be prepared to take Pre-Calculus the following year. Students are required to have their own scientific calculator; preferably a Texas Instruments TI-30XIIS.

COURSE TITLE:Advanced Algebra(MAT61331/2)(Grades 9-12)1 creditNPREREQUISITE:Successful completion of Geometry or recommendation of the math departmentAdvanced Algebra is a fast-paced course which combines topics from Algebra 2 and FST into a single,
year-long class. Students finishing this course at an acceptable level will have the opportunity to take AP



Statistics or Pre-Calculus. Functions, logarithms, trigonometry, and other advanced topics will be covered in this class. The Math Department will assign students to this class based on their performance in Algebra 1 and Geometry. **Students are required to have their own TI-83+ or TI-84 graphing calculator.**

COURSE TITLE: Pre-Calculus (MAT61501/2) (Grades 10-12) 1 credit Ν PREREQUISITE: Successful completion of Advanced Algebra or FST Pre-Calculus topics include a review of the elementary functions, advanced properties of functions DESCRIPTION: (including special attention to polynomial, rational, and trigonometric functions), conic sections, sequences and series, vectors, and introductions to the derivative and integral. This course will prepare students for Advanced Placement Calculus. Students are required to have their own TI-83+ or TI-84 graphing calculator. COURSE TITLE: Calculus (non-AP) (MAT61531/2) (Grades 10-12) 1 credit Ν Successful completion of Pre-calculus PREREQUISITE: DESCRIPTION: 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 BC upon successful completion of this course. Students are required to have their own TI-83+ or TI-84 graphing calculator. COURSE TITLE: AP N AP Calculus AB (MAT61511/2) (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 DESCRIPTION: 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. COURSE TITLE: **AP Calculus BC** (MAT61521/2) (Grade 12) 1 credit AP N Successful completion of AP Calculus AB or Calculus (non-AP) PREREQUISITE: This class is designed to help students prepare for the Advanced Placement BC Calculus test. We review DESCRIPTION: 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. COURSE TITLE: **AP Statistics** AP N (MAT61551/2) (Grades 10-12) 1 credit PREREQUISITE: Successful completion of Advanced Algebra or FST or Algebra 2 DESCRIPTION: 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

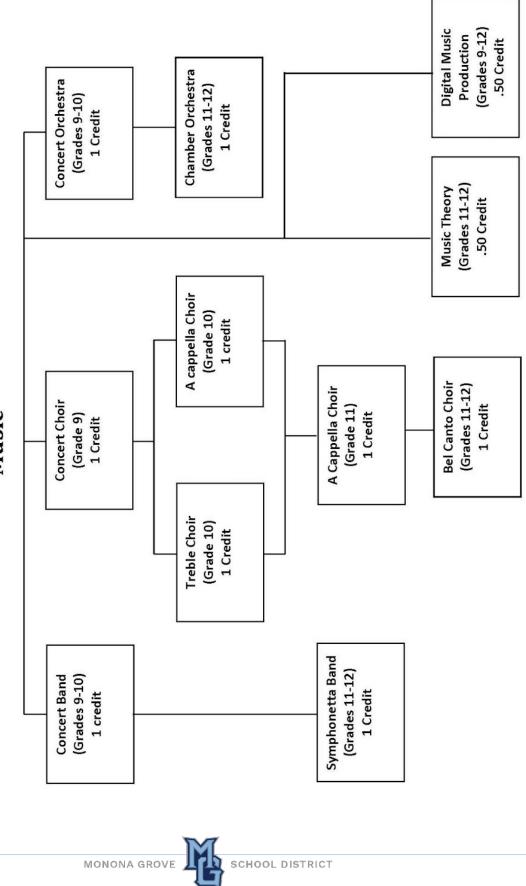


graphic summaries. The third theme is probability. After learning probability rules and models, students will use their knowledge to learn about inference—the ability to confidently make conclusions about data and how it might apply to a more general population. This last theme is the cornerstone of 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.

 COURSE TITLE:
 Mathematical Reasoning (Dual Credit)
 (MAT61901/2)
 (Grade 11- 12)
 1 credit
 N

 PREREQUISITE:
 Junior or Senior standing with successful completion of Algebra 2
 All college students, regardless of their college major, need to be able to make reasonable decisions
 N

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. 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. Students are required to have their own scientific calculator; preferably a Texas Instruments TI-30XIIS.





Modified 12/14/2022

MUSIC

COURSE TITLE: PREREQUISITE: DESCRIPTION: A cappella Choir* (MUS02421/2) (Grade 10 male identifying/ female identifying Grade 11)1 credit Membership in the high school Concert or Treble Choir or Consent of Director after an audition. A cappella Choir, is a course offered for one credit that is open primarily to 11th grade male and female students, and 10th grade male singers, who pass a basic pitch test and who have the vocal maturity to perform more advanced choral literature. A variety of musical styles will be performed, and 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.

 COURSE TITLE:
 Bel Canto Choir*
 (MUS02401/2)
 (Grades 11-12)
 1 credit

 PREREQUISITE:
 Membership in the high school A cappella Choir or Consent of Director after an audition.
 Bel Canto Choir, is a course offered for one credit that is open to 11th and 12th grade male and female students by audition only. A variety of musical styles will be performed, and 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.

 COURSE TITLE:
 Concert Choir*
 (MUS02601/2)
 (Grade 9)
 1 credit

 PREREQUISITE:
 Grade 9 or consent of director
 This class is primarily for 9th grade students. Concert Choir will focus on gaining skills related to choral singing and exploring a variety of music. The groups will sing as a male/female choir or combined as a mixed choir. 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.

COURSE TITLE: **Treble Choir** (MUS02411/2) (Grade 10 male identifying/ female identifying) 1 credit PREREQUISITE: Consent of Director

DESCRIPTION: The Treble Choir is a course offered for one credit and offered primarily to **10th grade female singers**. A variety of musical styles will be performed, and 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. The focus of this choir will be to work on the vocal production and problems inherent at this age of the female voice. The choral literature will concentrate on intermediate and advanced level three and four-part singing.

COURSE TITLE: Concert Orchestra* (MUS02321/2) (Grade 9-10) 1 credit PREREQUISITE: DESCRIPTION: 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.

 COURSE TITLE:
 Chamber Orchestra*
 (MUS02301/2)
 (Grades 11-12)
 1 credit

 PREREQUISITE:
 DESCRIPTION:
 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

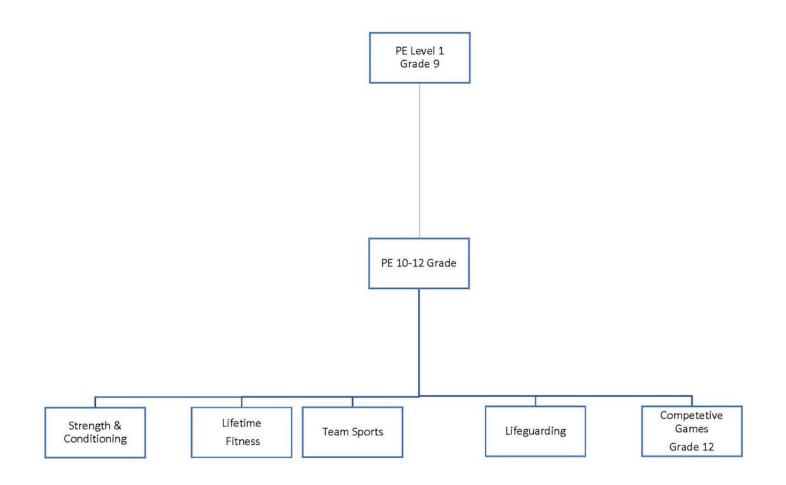
 learned skills as well as introduce new techniques needed to perform high school orchestra literature.
 All concerts are outside of school time. Because this class is a part of the regular curricular program, attendance is mandatory at all concerts and is included as part of the grading process.

COURSE TITLE: PREREQUISITE: DESCRIPTION:	Concert Band* Enrollment in high school band/middle scho This band is primarily for 9 th and 10 th grade techniques is necessary to perform high sch performances are outside of school time. B program, attendance is mandatory at all per process. * 9 th grade and new high school shoes. (We have gently used shoes for \$	e students. Continued de hool literature. All concert because this class is a par erformances and is include band members will nee	evelopment of instru- ts and marching ba t of the regular curr ed as part of the gr d to purchase ma	umental nd ricular ading
Course Title: Prerequisite: Description:	Symphonetta Band* Enrollment in high school band/middle scho This band is primarily for students in grade techniques is necessary to perform high sch performances are outside of school time. B program, attendance is mandatory at all per process.	es 11-12. Continued deve hool literature. All concert Because this class is a par	elopment of instrum ts and marching ba t of the regular cur	nental nd ricular
Course Title: Description:	Digital Music Production This new class introduces all students to me analyze and synthesize your favorite songs This class will offer opportunities for creatin	and compose your own n	nusic using digital s	software.
Course Title: Prerequisite: Description:	Music Theory This course is open to juniors and senior instructor approval. Music Theory will introduce students to the of music reading, analysis, and composition music and analyze elements like melody, has introduced to sight-singing, ear training, dic	technical study of music. n. Students will learn how armony, and rhythm. Addi	Music Theory is an to properly read an	estra <u>or</u> with overview d write



PHYSICAL EDUCATION

Updated 12/13/2022





Physical Education

General Information

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.**

REQUIRED PROGRAMS

COURSE TITLE: **PE Level 1** (PED84110) (Grade 9) ½ credit DESCRIPTION: **PE Level 1** (PED84110) (Grade 9) ½ 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.

COURSE TITLE: Lifetime Fitness (PED85000) (Grades 10-12) ¹/₂ credit

DESCRIPTION: 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.

COURSE TITLE: **Strength & Conditioning** (PED85010) (Grades 10-12) ½ credit DESCRIPTION: **Strength & Conditioning** (PED85010) (Grades 10-12) ½ 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.

COURSE TITLE: Team Sports (PED85020) (Grades 10-11) ¹/₂ credit

DESCRIPTION: 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). 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. If a student fails level 3 physical education, the student is required to make up level 3 physical education. 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.

COURSE TITLE: **PE Level 4 Competitive Games and Sports** (PED84410) (Grade 12) ¹/₂ credit PREREQUISITE: Grade 12 and have completed the required physical education offerings at levels 1, 2, and 3. DESCRIPTION: 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.

COURSE TITLE: Lifeguard/WSI Certification (PED74420) (Grade 10-12) ¹/₂ credit Prerequisites for Lifeguarding:

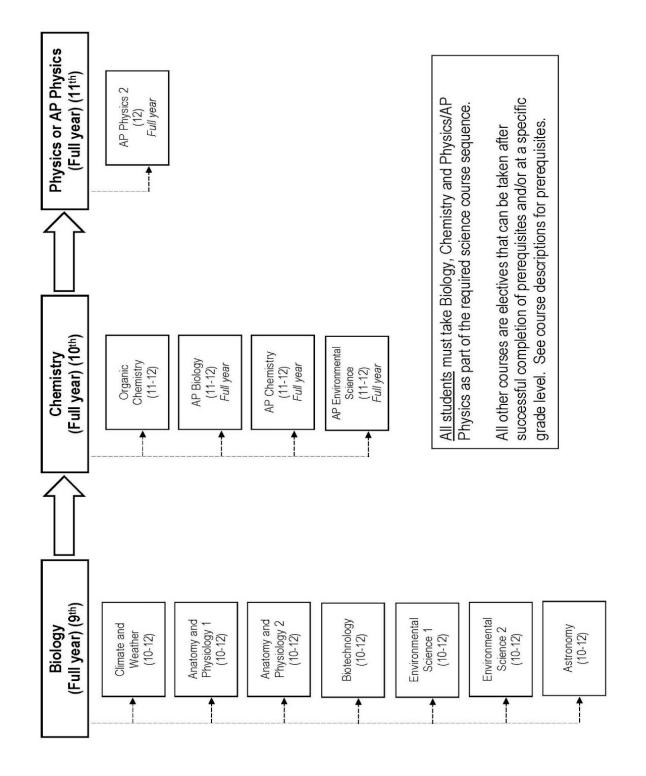
- 1. Swim 300 yards continuously front crawl and/or breaststroke with breath control and rhythmic breathing
- 2. 2 minutes of treading water with legs only. (hands stay under armpits)
- 3. 10 LBS brick challenge includes 20 yard swim, brick recovery from bottom, 20 yard swim holding brick with head not going underwater

Prerequisites for Water Safety Instructor (WSI)

- 1. Demonstrate Level 4 swimming strokes including 25 yards front crawl, elementary backstroke, back crawl, sidestroke, breaststroke and 15 yards of butterfly
- 2. Maintain position on back for 1 minute using sculling with hands
- 3. Tread water 1 minute

Other Requirements and Information:

- 1. Age 16 by the end of fall semester
- 2. Open to 10th, 11th, and 12th Grade Students
- 3. Minimum of 31.25 hours of actual <u>full participation</u> for WSI Certification
- 4. Minimum of 28.50 hours of actual full participation for Lifeguard Certification
- 5. This course will be .50 of high school PE credit and will be a semester in length
- 6. This course will fulfill the PE 2 or PE 3 requirements
- 7. This course will be limited to the first 15 qualified applications received
- 8. This course will be taught by PE instructor and WSI-T/LGI instructor
- 9. Cost Requirements: \$40 for Lifeguard Certification. \$40 for WSI Certification.



Science

SCIENCE

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.

To meet our students' abilities, Biology and Chemistry courses have been divided into two tiers. These tiers are based on student scores on the Aspire assessments in order to facilitate academic growth.. Both tiers of each course generally cover the same content, are rigorous, and provide students with the skills that are necessary for college and beyond. This allows us to appropriately focus our instruction for all of our students' needs and skill levels. Students who did not qualify for the Honors tier, who wish to be considered for this placement, should consult their science teacher. As noted above, both tiers focus on both content and skills, and are rigorous and college preparatory. Junior year, students have the choice of either Physics or AP Physics 1.

REQUIRED SCIENCE COURSES

Course Title: Description:	Biology Biology is the first year of a three-year scient that includes significant skills for every scient ecology, plants, homeostasis, and the study thorough study of genetics and evolution by course emphasizes college and career read	nce student. First semest v of human body systems. v natural selection, the two	er continues with t Second semeste cornerstones of I	the study of r encompasses ife science. The	а
COURSE TITLE: PREREQUISITE: DESCRIPTION:	Chemistry Successful completion of Biology Chemistry is the second year of the three-y study of matter, atomic theory, and the Peri gasses and chemical reactions. Second set stoichiometry. Second semester then encor solutions. Laboratory techniques and safety emphasizes college and career readiness s	odic Table. The first seme mester begins with a more npasses deep dives into b are emphasized through	ester continues wit e math based unit bonding, thermody out the course. Th	h the study of about namics, and ne course	N
Course Title: Prerequisite: Description:	Physics Successful completion of Chemistry Physics is the final course in the science set taken by all of our students. Topics covered sound, electricity, and magnetism. This cou that is appropriate to the student. The stude the amusement park as a physics laborator	include mechanics and d rse emphasizes college a ents will travel to Great An	ynamics, gravitation of career readines	on, light and ss skills at a leve	
Course Title: Prerequisite: Description:	AP Physics 1 Successful completion of Chemistry and Ge equivalent course. AP Physics 1 is an algebra-based, introduc Newtonian mechanics (including rotational sound; and introductory, simple circuits. The critical thinking and reasoning skills. This co spent in hands-on laboratory work, with an	tory college-level physics motion); work, energy and rough inquiry-based learn ourse requires that 25 per	course that explor I power; mechanic ing, students will o rcent of the instruc	es topics such a al waves and develop scientific tional time will b	s

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. **Expect to spend between three and six hours per week**, **depending on your comfort with the material, working on the course outside of the classroom.**

ADVANCED TOPICS IN SCIENCE ELECTIVES

ADVANCED TOPICS IN SCIENCE ELECTIVES					
Course Title: Prerequisite: Description:	Anatomy and Physiology 1 Successful completion of Biology This Anatomy and Physiology course involv at mainly the molecular and cellular levels. circulatory, and possibly one other system. reading, lecture, case studies and online la online textbook and complete online practic	Systems to be explored i The concepts will be dis boratory activities. At hom	nclude the nervou covered and illustr	f the human bod s, muscular, ated through tex	d .
Course Title: Prerequisite: Description:	Anatomy and Physiology 2 Successful completion of Anatomy and Phy This Anatomy and Physiology course contin the main body systems. Systems to be ex organs and possibly one other body system reading, lecture, case studies and online la dissection of a cat. The field trip for this cla human cadavers.	nues the study of the struc plored are respiratory and n. The concepts will be dis boratory activities. The m	l immune systems scovered and illust ain lab activity will	of the human bo , along with sens rated through te be the detailed	sory xt
Course Title: Prerequisite: Description:	Astronomy Biology and Geometry This one semester course provides the opp solar system, galaxy, and universe we live i learn how other astronomers past and press seasonal, and yearly motions of the sky, ele stellar astronomy and how stars change over for this course.	n. Students use tools of o ent have used tools availa ectromagnetic spectrum, b	bservation to learr able. Areas of stud birth of the solar sy	anding about the n about space ar ly include: daily, rstem and univer	nd rse,
Course Title: Prerequisite: Description:	AP Biology Successful completion of Biology and Cher AP-Biology is an advanced biology course biology/zoology course, and is intended to The course builds on topics covered in fres Laboratory processes, analytical skills, and combine to give students a deep understan designed to cover all content requirements Students will take a field trip to BTCI to lear should plan to complete readings and put the material, students should plan on sp we meet.	covering much of the mate prepare students who are hman-level biology AND s content are equally empti ding of biological concept for the AP Biology exame in and utilize lab skills for re-lab work outside of c	interested in takin sophomore-level cl hasized throughout s. Please note tha and as such, move manipulating DNA lass. Depending	college g the AP Exam. hemistry. t the course, and at this course is es at a fast pace. . Students on comfort with	i h
Course Title: Prerequisite: Description:	AP Chemistry Successful completion of Chemistry AP-Chemistry is an advanced chemistry co	(SCI81431/2) urse covering much of the	(Grades 11-12) e material of a first	1 credit year college che	AP N emistry

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.

COURSE TITLE: PREREQUISITE: DESCRIPTION:	AP Physics 2 Students should have had AP Physics 1 of AP Physics II is an algebra-based, introdu- statics and dynamics; thermodynamics w electrical circuits with capacitors; magneti- quantum atomic and nuclear physics. This thinking and reasoning skills. This course hands-on laboratory work, with an empha- opportunities to apply the science practice readiness skills. Students will travel to G physics laboratory. Students should pla- of class, approximately 1-1.5 hours for	uctory college-level physics ith kinetic theory; PV diagra ic fields; electromagnetism; ough inquiry-based learnin e requires that 25 percent of isis on inquiry-based invest es. AP Physics 2 continues reat America/Six Flags in th in to complete readings,	s course that exploit ams and probability ; physical and geor g, students will dev of the instructional t tigations that provid s to emphasize col ne spring to use the problem sets and	 electrostatics; netric optics; an velop scientific c ime will be spen le students with lege and career amusement pa 	d ritical it in ark as a
COURSE TITLE: PREREQUISITE: DESCRIPTION:	AP Environmental Science Successful completion of Biology and Cha AP-Environmental Science is an intro- topics in the field of environmental sci- interrelationships of the natural world a human-made. This course will focus of problems. Laboratory and field investi- Ecosystems, Biodiversity, Land and W Global Change. This course is intended Science exam and will move at a fast practices/taking notes for approxim- meet.	ductory college-level cou ence. In this course stud- and analyze environmen n applying science to rea gation will be a focus of t /ater Use, Energy Resou ed to cover all the require pace. Students should	ents will explore a tal problems, both al-world social an the course.Topics rces and Consun ements for the AP plan on reading	and investigate n natural and d environmenta include: nption, Pollutio Environmenta /completing	e the al n and I
Course Title: Prerequisite: Description:	Biotechnology Successful completion of Biology Many areas of our lives today are affected treatments to areas as diverse as agricult will participate in many hands-on labs to g Topics covered will include bacteria and w cloning, DNA forensics, and the moral an biotechnology.	ure and waste treatment. gain skills and experience i iruses, regenerative medic	Students enrolled i n a variety of labor ine, recombinant D	n this semester atory procedure NA technology,	course s.
Course Title: Prerequisite: Description:	Climate and Weather Successful completion of Biology You are also probably aware, due to rece important and unpredictable challenges for leaving home. Scientists are currently wo politicians debate how to respond to the r	or our society. Most of us or rking towards a better unde	check the weather perstanding of the cl	prediction every imates system v	day before vhile

are already trying to reduce their climate-change related risks and gain a future competitive edge. It seems that everybody talks about the weather and climate change these days, but do they know the details for what they are talking about? We will cover the science behind the processes that determine the world's climates and weather.

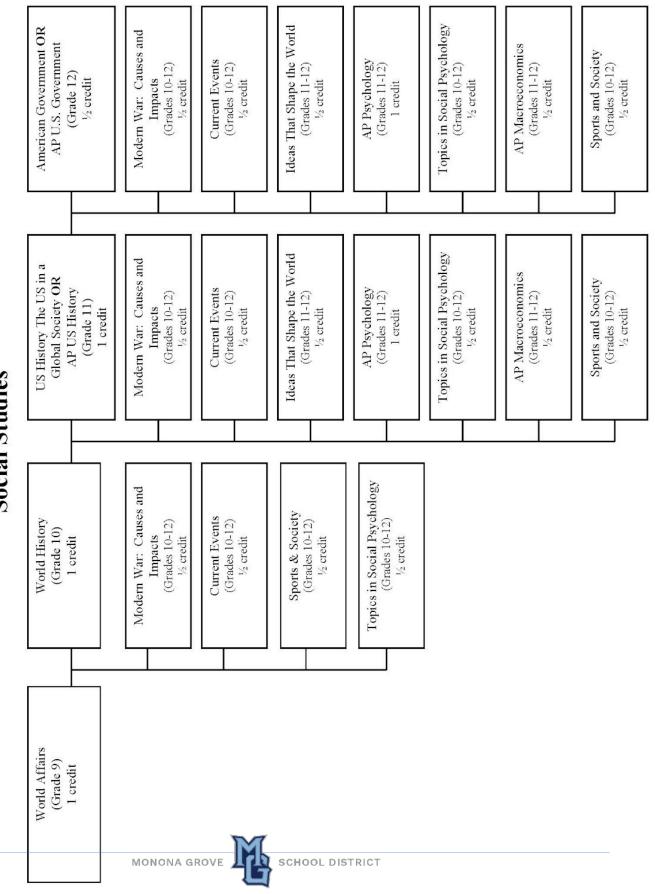
Course Title: Prerequisite:	Environmental Science 1	(SCI81470)	(Grades 10-12)	1/2 credit	Ν
DESCRIPTION:	Successful completion of Biology Topics covered: the World Food Crisis, alg Media Literacy & Climate Change. In each groups.This course provides an in-depth u ecosystems. Students will study the struct study freshwater ecosystems in depth, as impacts that humans have on ecosystems course has a large amount of group work w an interest in environmental science.	n unit there is a focus on ha inderstanding of how spec- ture of ecosystems and bio well as the freshwater cris , as well as focus on probl	ands-on learning, a ies interact with ea omes of the world. is. In all units, there em solving and 21	and working tog ich other to mal Furthermore, s e is an emphas st century skills	gether in ke up students will sis on the s. This
Course Title: Prerequisite: Description:	Environmental Science 2 Successful completion of Biology Topics covered: Current environmental situ new energy technology. In each unit there The major goal of this course is to develop society today. In this course students will e ecosystems, how they work, and the impace environmental ethics, honeybee crisis, clim amount of group work which includes projecent	is a focus on hands-on lead of an understanding of the of explore a number of topics ct of human actions on the nate change and alternative	arning and working complex environme s that will build on t em. Topics will also re energy. This cou	together in gro ental problems heir understand b include urse has a large	oups. facing ding of e
Course Title: Prerequisite: Description:	Organic Chemistry Successful completion of Chemistry Organic Chemistry is an introductory cours molecular structure and function of many c unsaturated hydrocarbons, and aromatic c that allows for the synthesis of other group	of the basic groups of orga compounds. We will look a	nic compounds survey at the reactions the	ch as saturated se groups unde	d and ergo

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.

Key: AP= Advanced Placement; N = NCAA Accepted





Social Studies

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 <u>not</u> 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.

REQUIRED SOCIAL STUDIES COURSES – FULL YEAR

FRESHMAN COURSES

COURSE TITLE:World Affairs(SOC91101/2)(Grade 9)1 creditNDESCRIPTION:World Affairs is a year-long course that will help students to better understand the global community through
the overarching themes of identity, movement, power, and resources. Specific units of study will include:
gender and race; migration; resources and climate; innovation, internet, and the information economy;
security, defense, and terrorism; cultural, ethnic, religious conflict; globalization and commerce; and
oppression and human rights. This course will have an emphasis on reading, writing, discussion, and
research skills.

SOPHOMORE COURSE

COURSE TITLE: World History (SOC92141/2) (Grade 10) 1 credit N DESCRIPTION: 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

- COURSE TITLE: U.S. History : The United States in a Global Society in the 20th & 21st Centuries
- (SOC93351/2) (Grade 11) 1 credit N DESCRIPTION: 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.

OR

COURSE TITLE: DESCRIPTION: AP United States History (SOC91311/2) (Grade 11) 1 credit AP N 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.**

Key: AP= Advanced Placement; N = NCAA Accepted

REQUIRED SOCIAL STUDIES COURSE - SEMESTER

COURSE TITLE: American Government (SOC91500) (Grade 12) ¹/₂ credit N DESCRIPTION: 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

- COURSE TITLE: DESCRIPTION: AP U.S. Government & Politics (SOC91510) (Grade 12) ¹/₂ credit AP N 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 and explore the federal bureaucracy to develop an understanding of the relationships among the actors and institutions of government. This course emphasizes vocabulary and analysis and should prepare students to take the AP Government exam in May. Students who score well earn college credit. Average weekly homework : 1-2 chapter readings/assignments. Required summer work: None
- COURSE TITLE: **Current Events** (SOC91250) (Grades 10-12) ½ credit N DESCRIPTION: 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!
- COURSE TITLE: Modern War Causes and Impacts (SOC91220) (Grades 10-12) ½ credit N DESCRIPTION: 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!

COURSE TITLE: Ideas That Shape the World (SOC91230) (Grades 11-12) ½ credit N PREREQUISITE: DESCRIPTION: 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.

COURSE TITLE: **Sports and Society** (SOC91560) (Grades 10-12) ¹/₂ credit DESCRIPTION: 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.

(SOC91700) AP N COURSE TITLE: **AP Macroeconomics** (Grades 11-12) 1/2 credit PREREQUISITE: Strong interest in business, finance or economics. DESCRIPTION: 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.

COURSE TITLE: **Topics in Social Psychology** (SOC91950) (Grades 10-12) ½ credit N DESCRIPTION: 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 may enroll in this class even if they have taken, or are planning on taking AP Psychology.

COURSE TITLE: AP Psychology (SOC91911/2) (Grades 11-12) 1 credit AP N PREREQUISITE: DESCRIPTION: 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, 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.

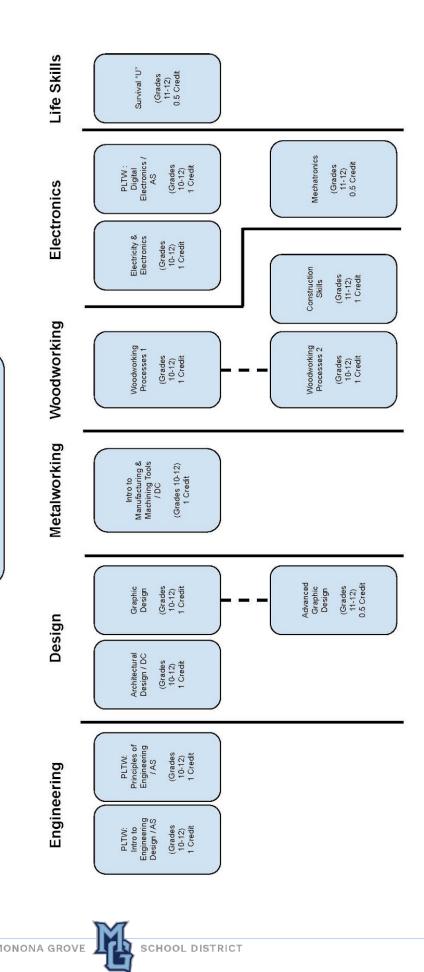
Key: AP = Advanced Placement; N = NCAA Accepted



*Survey of Tech is <u>NOT</u> a prerequisite for any of the courses listed below

Survey of Technology & Engineering

(Grade 9) 1 Credit



TECHNOLOGY & ENGINEERING DEPARTMENT

COURSE TITLE: Survey of Technology & Engineering (TEC11001/2) (Grades 9-12) 1 credit DESCRIPTION: 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.

*There will be a \$60.00 fee for this course. Assistance is available for students that qualify.

- Survival "U" COURSE TITLE: (TEC11980) (Grades 11-12) ¹/₂ credit DESCRIPTION: 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
- COURSE TITLE: Introduction to Manufacturing (Dual Credit) (TEC11101/2) (Grades 10-12) 1 credit DESCRIPTION: 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. 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. *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. *This course has a \$75.00 fee to pay for material.

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.

COURSE TITLE: PREREQUISITE: DESCRIPTION: PETW: Computer Integrated Manufacturing (CIM) (TEC11111/2) (Grades 11-12) 1 credit 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. (CIM will not be offered in 2023-2024).

COURSE TITLE: Woodworking Processes 1 (TEC11301/2) (Grades 10-12) 1 credit DESCRIPTION: 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.

This course will require additional fees. Fees will vary depending on the material chosen. Estimated \$150-225. Financial assistance is available for qualifying students.

COURSE TITLE: Woodworking Processes 2 (TEC11401/2) (Grades 11-12) 1 credit

PREREQUISITE: Woodworking 1 or consent of instructor DESCRIPTION: 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. (Must have passed Woods 1 to be eligible)

An additional course fee will be required for materials. This cost varies greatly depending on the project and <u>can</u> range from \$50 - \$400 depending on the size, complexity, and the materials chosen.



COURSE TITLE: Construction Skills (TEC11971/2) (Grades 11-12) 1 credit DESCRIPTION: Construction Skills (TEC11971/2) (Grades 11-12) 1 credit This course is intended for students interested in construction, home building, remodeling, and other 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 and end of the year project along the lines of a storage shed. Students will learn vocabulary, background knowledge, and skills that will benefit a wide group of students 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. Thinking about a youth apprenticeship in construction? This class is for you!

An additional course fee of \$40.00 will be required for this class to cover the cost of project materials.

COURSE TITLE: **PLTW: Intro to Engineering Design** (TEC11611/2) (Grades 10-12) 1 credit DESCRIPTION: This course is based on the PLTW I.E.D. **course and can be taken as a 1st semester course only.** 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. Students develop 3D modeling skills, drafting and sketching skills, and they will become proficient with 3D printing. There will be frequent team engineering challenges that require problem solving and group work. Other concepts covered include reverse engineering, product development, and manufacturing. Students develop advanced CAD skills.

COURSE TITLE: **Graphic Design** (TEC11501/2) (Grades 10-12) 1 credit DESCRIPTION: This course is intended for students interested in design, graphic arts, desktop publishing, printing, and advertising. Adobe programs will be used. Course projects will include sketching, logo creation, photo editing, and career-related exploration. Students will participate in projects involving the design and creation of vinyl stickers, T-shirts, 3D printing, and will have access to the laser engraving equipment. Coursework will be hands-on activities and problem solving in these areas of study.

COURSE TITLE:Advanced Graphics(TEC11710)(Grades 11-12)1/2 creditPREREQUISITE:Graphic Design or consent of the instructor.DESCRIPTION:This semester course is for students who would like to continue developing their skills in the graphic
arts and printing industries. Activities will include extensive work in desktop publishing, electronic
pre-press imaging, plate layout and design, laser printing, finishing, and bindery. Students will have an
opportunity to work with a laser engraver and 3D printers.

COURSE TITLE: Architectural Design (TEC11701/2) (Grades 10-12) 1 credit DESCRIPTION: 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.



COURSE TITLE: Electricity & Electronics (TEC11801/2) (Grades 10-12) 1 credit DESCRIPTION: 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.

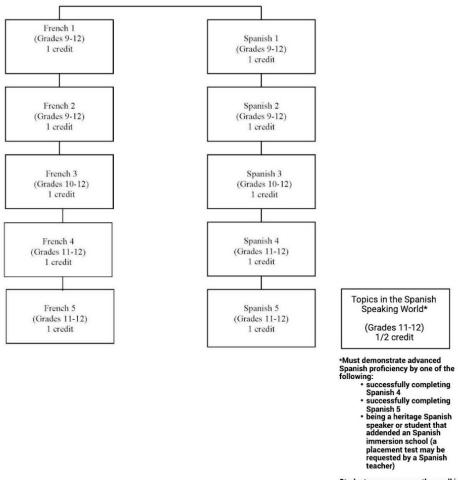
*An additional course fee of \$35.00 will be required for project materials

COURSE TITLE: DESCRIPTION: PLTW: Principles of Engineering (TEC11831/2) (Grades 10-12) 1 credit DESCRIPTION: 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.

COURSE TITLE: PLTW: Digital Electronics (TEC11941/2) (Grades 10-12) 1 credit

- DESCRIPTION: 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.
- COURSE TITLE: Mechatronics (TEC11800) (Grades 11-12) 1/2 credit DESCRIPTION: 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!





Students can concurrently enroll in Spanish 5 AND Topics in the Spanish Speaking World.



World Languages

Course Title: Description:	French 1 (FOR42101/2) (Grades 9-12) 1 credit N 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. Students that completed a full year of French in 8th grade will take French 2.
Course Title: Prerequisite: Description:	French 2 (FOR42201/2) (Grades 9-12) 1 credit N Satisfactory completion of middle school French or French I 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.
Course Title: Prerequisite Description:	French 3 (FOR42301/2) (Grades 10-12) 1 credit N 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. N
Course Title: Prerequisite: Description:	French 4-5(FOR42411/2)(FOR42501/2)(Grades 11-12)1 creditNFrench 3/4"Because this is a combined class of fourth and fifth levels, a two-year cycle (cycle A and cycle B) of course content is studied on an alternating basis. The goal is to express oneself on a higher level, using more sophisticated syntax and vocabulary. Specific cultural projects include but are not limited to provinces of France, the francophone world, Impressionism, castles, and award-winning French films, and the novel Le Petit Prince. Upon satisfactory completion of the fifth level, the student should be sufficiently prepared to place high enough on a college placement exam in order to earn retro-credits (UW System).
	French 5 can also be taken as a dual-credit class via UW-Green Bay to earn up to 14 college credits if successfully completed (B or better). UW-GB credits will transfer to the majority of other colleges and universities. As of the printing of this course handbook, this class meets the requirements to be deemed dual credit. Average nightly homework : 20-30 minutes per night. Required summer work: None
Course Title: Description:	Spanish 1 - Beginning(FOR41101/2)(Grades 9-12)1 creditNSpanish 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. Students that completed a full year of Spanish in 8th grade will take Spanish 2.



Course Title: Prerequisite: Description:	Spanish 2(FOR41201/2)(Grades 9-12)1 creditNSuccessful completion of middle school Spanish or Spanish IActivities 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.
Course Title: Prerequisite: Description:	Spanish 3(FOR41301/2)(Grades 10-12)1 creditNSuccessful 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.
Course Title: Prerequisite: Description:	Spanish 4(FOR41401/2)(Grades 11-12)1 creditNSuccessful 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.
Course Title: Prerequisite: Description:	Spanish 5(FOR41501/2)(Grades 11-12)1 creditNSuccessful Completion of Spanish 4 or teacher recommendation based on a placement test.Material from previous years will be reviewed, and new material will be introduced in order to achieve a greater degree of proficiency. Communicating in Spanish both in oral and written forms will be stressed.Students will read Hispanic literature, watch cultural movies, and relate the themes to contemporary events. Upon completion of Spanish V, students should be able to speak and write about past, present, and future events with a limited number of errors and a certain degree of proficiency. The students should be prepared to utilize their knowledge of Spanish for pleasure, at the university, or on the job. Upon satisfactory completion of the fifth level, the student should be sufficiently prepared to place high enough on a college placement exam in order to earn retro-credits (UW System).
	This class can also be taken as a dual-credit class via UW-Green Bay to earn up to 14 college credits if successfully completed (B or better). UW-GB credits will transfer to the majority of other colleges and universities. As of the printing of this course handbook, this class meets the requirements to be deemed dual credit. Average nightly homework : 20-30 minutes per night. Required summer work: None
Course Title: Prerequisite: • •	 Topics in the Spanish Speaking World (FOR41001/2) (Grades 11-12) ¹/₂ credit N Juniors or seniors who meet one of the following criteria: Students who have completed Spanish 4 or Spanish 5 with advanced levels of proficiency. Is a native / heritage Spanish speaker (or went to a Spanish immersion school) with advanced levels of proficiency. Additional notes: Students may contact any Spanish teacher with questions about what "advanced levels of proficiency" means. A placement test can be taken to determine proficiency level. **Students CAN enroll in this course as well as Spanish 5 concurrently.
DESCRIPTION:	This course is designed to provide opportunities for students to continue Spanish language development beyond,
	MONONA GROVE SCHOOL DISTRICT

or in place of, current Spanish curriculum. In the course, students with advanced levels of proficiency will develop both language and cultural bi-literacy in an environment where students' background knowledge and personal experiences are valued and utilized. In the class, students will explore topics of cultural interest and relate them to historical and current events while developing reading, writing and discussion skills through text analysis. The course is built around the following themes: current events, history, film, and literature. It can be taken as a stand-alone class, or in conjunction with Spanish 5 coursework. While it is not a requirement that students have already taken a Spanish course prior to this, students must be able to demonstrate advanced speaking/reading/writing proficiency in Spanish, as **students should expect to function in Spanish 90%+ of the time.** This course does not have the traditional college preparation focus, but it could serve as a great complement to the traditional track Spanish courses.

Key: N=NCAA Accepted



Other Credit Opportunities

COURSE TITLE: **Teaching Assistant** PREREQUISITE: Senior with a minimum GPA of 2.5 DESCRIPTION: The primary purpose of the Studen

(Grades 12) 0.5 credit/semester (max of 1.0)

0.5 credit/semester (max of 1.0)

The primary purpose of the Student Assistantship Program 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 curriculum responsibilities that may include assisting the teacher in delivering a lesson, demonstrating procedures, tutoring students, and assisting with curriculum materials. The student is to be actively engaged in the learning process on a daily basis. Examples of a student assistantship include: 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" at the beginning of the school year. Students will receive a Pass (P) or Fail (F) grade. This is an 8th class, students will not be eligible for a study hall or release.

(Grades 12)

COURSE TITLE: Independent Study

PREREQUISITE:

DESCRIPTION:

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.



Monona Grove Youth Apprenticeship 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, as well as complete regular check-in assignments with the MGHS Career and Technical Education Coordinator, in order to earn credit for the program. Students who are interested in participating in Youth Apprenticeship, must meet with Ms. D'Amelio, Monona Grove's Career and Technical Education Coordinator, prior to 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 go to work until after their Education Training Agreement meeting has taken place and all required paperwork is in place.

Apprenticeship placement is in the community and will be off site. Click <u>here</u> to see a 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 and 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.

