

**Webster Groves High School
Course Description Book
2026 - 2027**

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Graduation Requirements

To qualify for graduation from Webster Groves High School, a student must earn at least 24 credits in grades 9 through 12. Specifically, the student's educational program must include the minimum graduation requirements as established by the Missouri State Board of Education and the Webster Groves School District Board of Education. Those minimum requirements are as follows:

Department	Credits	Special Notes
Communication Arts	4	includes English, Public Speaking, and Journalism
Social Studies	3	1 credit in U.S. Government and 1.0 credit in U.S. History are required
Mathematics	3	no specific course requirements
Science	3	1.0 credit in Biology and 1.0 credit in a physical science are required
Fine Art	1	includes Music, Art, and Drama
Practical Arts	1	includes Business, Family and Consumer Science and Industrial Technology
Physical Education	1.5	.50 credit in Health and 1.0 credits in P.E. required
Elective Credit	7.5	earned in any subject area beyond what is required
Total Credits	24	

All students must pass Personal Finance.

GENERAL INFORMATION RELATED TO GRADUATION REQUIREMENTS

CREDIT

Credit will be awarded uniformly on the basis of the total amount of time that a course meets. Courses meeting daily for the entire year receive one (1.00) credit. Courses meeting daily for an entire period for one semester (one-half year) earn one-half (0.500) credit. All students must be enrolled in at least five department-based classes each semester.

ELECTIVES

Elective credit is given for all courses taken beyond those that are required.

OTHER COURSES

A maximum of two credits for independent study, student assistant, and/or achievement credit will be accepted toward graduation. In addition, two units of credit may be acquired through approved online or correspondence classes.

REPEATING A COURSE

An occasion may arise in which a student would elect to repeat a class that they have already taken. In order to do this, the student must complete a form which can be obtained from their counselor, and gain consent from their assistant principal. The grade they earn from the additional time taking the class does not replace the first grade.

PERSONAL FINANCE

In accordance with the Department of Elementary and Secondary Education, all students must pass a personal finance course.

EIGHT SEMESTER REQUIREMENT

Eight semesters of planned curricular work are expected to qualify for graduation. Students transferring from other school districts must spend at least two consecutive semesters at Webster Groves High School to be granted a diploma from this institution.

EARLY GRADUATION REGULATIONS

The Webster Groves School District Board of Education has established eight semesters of high school attendance as one of the requirements for graduation from Webster Groves High School. In some instances, a few students have found it necessary to leave before completing the eight semester requirement. A student who desires to be considered for graduation in fewer than eight semesters of high school attendance must make a formal application with parent approval to the Early Graduation Committee at least one semester before he/she plans to leave. An application may be secured from the student's counselor. Upon application to the counselor and after appropriate staff review, students may be granted exceptions to the eight semesters of work for reasons of advanced educational or vocational plans. Committee decisions are made on the basis of the facts of each request in conjunction with school policy. All requirements for graduation, except for the eight semesters of attendance, must be completed at the time the student leaves school.

DUAL ENROLLMENT

A student may enroll in a college course for college credit while attending his/her junior or senior year of high school, provided he/she meets the enrollment requirements of the institution. Summer programs offered through a university may also qualify for dual enrollment. Recommendation: Counselor and administrative approval prior to enrolling in course/program.

ATHLETIC ELIGIBILITY

In order to be eligible for Missouri State High School Athletic Association activities students need to be enrolled in 3 credits a semester, and must have passed 3 credits in the previous semester.

MO VIRTUAL INSTRUCTIONAL PROGRAM (MOVIP)

For students seeking to recover credit, or take courses not offered at the high school, the Department of Elementary and Education has established online courses. For more information, consult a counselor or visit <http://dese.mo.gov/divimprove/curriculum/movip/>

CLASS STANDING

For sophomore standing, a student is required to have earned a minimum of six credits; for junior class standing, a student must have attained 12 credits; for senior class standing, a student needs a minimum of 18 credits.

Grading

Grade Point Average

Grade point average is a numerical computation of a student's collective grades. Numerical values are assigned to each grade earned. This value is multiplied by the amount of credit earned for each class. To determine the student's grade point average, this total is divided by the total number of credits attempted.

The following scale is used for all non-weighted classes:

A = 4.0	B = 3.0	C = 2.0	D = 1.0
A- = 4.0	B- = 3.0	C- = 2.0	D- = 1.0
B+ = 3.5	C+ = 2.5	D+ = 1.5	

The weighted grade policy will result in raising the grade point averages of students taking weighted classes using the following scale:

A = 4.5	B = 3.5	C = 2.25	D = 1.0
A- = 4.5	B- = 3.5	C- = 2.25	D- = 1.0
B+ = 4.0	C+ = 3.0	D+ = 1.50	

Classes with Weighted Grades:

Honors Algebra 2-Trigonometry	ACC Advanced Forensic Science	AP Physics II
Honors Biology	French IV	Honors Pre-Calculus
AP Biology	French V	AP Psychology
AP Calculus	AP French	AP Seminar in English
Honors Chemistry	Honors Geometry	AP Seminar in English/Gifted 10
AP Chemistry	German IV	Spanish IV
ACC College Algebra	German V	Spanish V
AP Comparative Politics	AP German	AP Spanish
AP Computer Science	Gifted 9	AP Statistics
ACC Emerging Voices	ACC Human Anatomy & Physiology	AP Studio Art
AP English Language	AP Human Geography	AP US Government
AP English Language/Gifted 11	Latin IV	AP Honors US History
AP English Literature	Marketing 2	
AP English Literature/Gifted 12	AP Music Theory	ACC Women, Gender & Diversity
AP Environmental Science	AP Physics C	Honors World Literature
Advanced Forensic Science	AP Physics I	AP World History

Honors Grades:

"H" grades will continue in certain approved non-weighted courses. If a student is interested in working for an "H" grade, which is worth 4.5 grade points, he/she should discuss this with the instructor and the appropriate department chairperson and complete the application for an honors grade. Students may contract for an "H" grade in the following classes:

The African American Experience	Freshman Lit and Comp
American Military History	Introduction to Law
Advanced Auto Technology	Music Theory I
Chamber Choir	Sociology
Child Development II and III	Wind Symphony
Concert Choir	Advanced Woods and Construction
Advanced Electronics Tech	World Civilizations and Global Issues II
	Zoology

Earning College Credit While In High School

Students at WGHS have a variety of ways of earning college credit while attending high school.

1. Dual Enrollment: This program offers students the opportunity to enroll in courses on the college campus while attending WGHS. Information about this program is available from the Counseling Department.

2. Dual Credit Programs through Missouri State University, St. Louis University and University of Missouri-St. Louis: The Advanced College Credit programs through the universities offer students the opportunity to earn college credit for selected courses completed at WGHS. These courses are listed in the table below. Students enrolled in these programs may earn high school and college credit for the course(s). They are considered part-time students at the university with library privileges and the grades earned become part of the students' undergraduate G.P.A. and transcript. Registration takes place in the fall for most classes and in the spring for some.

3. Advanced Placement (AP): Students who participate in this program take nationally normed AP tests in May at WGHS. Scores may range from 1 - 5; scores lower than 3 are not accepted by colleges. Higher scores (4 - 5) are more widely accepted across the country and internationally.

Note: AP and Dual Credit Courses are taught at the college level. While the amount of time spent on homework will vary (approximately 5-10 out of class hours per week, per course), students should consider their after school availability and total time commitments when choosing their course load.

WGHS Course	Dual Credit or AP?	College for Dual Credit	Dual Credit Hours
ACC Emerging Voices	Dual Credit	UMSL	3
ACC Advanced Forensic Science	Dual Credit	SLU	3
AP Biology	Either	UMSL	4
AP Calculus	Either	UMSL	5
AP Chemistry	AP	n/a	n/a
Human Anatomy & Physiology	Dual Credit	UMSL	3
AP English Language (Gifted and Non-Gifted sections)	Either	UMSL	3
AP English Literature (Gifted and Non-Gifted sections)	Either	UMSL	3
AP French	Either	UMSL	3
AP German	Either	UMSL	3
AP Physics I	Either	UMSL	4

AP Physics II	Either	UMSL	4
AP Psychology	Either	UMSL	3
AP Seminar	AP	n/a	n/a
AP Spanish	Either	UMSL	3
AP Statistics	AP	n/a	n/a
AP US Government and Politics	Either	UMSL	3
AP US History	Either	UMSL	3/semester
AP World History	Either	UMSL	3/semester
College Algebra	Dual Credit	UMSL	3
French 4	Dual Credit	UMSL	5
French 5	Dual Credit	UMSL	5
German 4	Dual Credit	UMSL	5
German 5	Dual Credit	UMSL	5
Marketing 2	Dual Credit	MO State	3
Spanish 4	Dual Credit	UMSL	5
Spanish 5	Dual Credit	UMSL	5
Chelsea Center Teaching & Learning Cohort	Dual Credit	Webster University	4 (Year 1)
WG THRIVE	Dual Credit	MO State	3
Women, Gender, and Diversity	Dual Credit	UMSL	3

***AP Credit issued will vary by college. See prospective college websites for their AP Policies.**

Art

All Art courses will count for Fine Art credit. Students need 1.0 Fine Art credit to graduate.

H1006 ART FUNDAMENTALS

Credit: ½ unit

Open to Grades: 9-12

This is the basic art studio orientation course which emphasizes design language and visual literacy. Students become acquainted with a variety of mediums and are encouraged to experiment, innovate, and transfer learning from one project to another. The specific content included in this course includes exploration of two-dimensional drawing composition and painting techniques, color theory, three-dimensional sculpture techniques, a functional ceramics survey, art history and vocabulary, and traditional craftwork. Art Fundamentals is designed to serve as either an introduction to future art studios or as an appreciation course to broaden a well-rounded education.

H13601 DIGITAL ART

Credit: ½ unit

Open to Grades: 9-12

Do you want to know how to remove someone from an image? Do you want to use a drawing tablet to digitize your work of art? Do you want to see your artwork animated? If so, this is the course for you! With the combination of studio art methods and the use of application software, this will happen. Manipulating images using Photoshop, creating original drawings using Illustrator and making 3D animations using Blender will be accomplished in this course. Scanners, digitizing tablets and digital cameras will be used to add a personal touch to projects. Students should have a good drawing background and computer skills for this course.

H1363S1 & H1363S2 AP STUDIO ART: 2-D DESIGN (3-D Design and Drawing are also part of this)

Credit: 1 unit

Recommendation: Art Fundamentals, and at least two other art courses in the area of inquiry.

Open to Grades: 11-12

This is a year-long course which challenges students to develop a portfolio while conducting a sustained investigation in any area of art. Art making through practice, experimentation, and revision is to be guided by an inquiry or statement of the student's

own ideation. Studio practice includes a skillful synthesis of materials, processes, and ideas to build a portfolio for submission to the College Board for AP designation. Written articulation of conceptual ideas, studio processes and individual line of inquiry are required as major components along with high quality works .

CERAMICS COURSES

H1030 CERAMICS I

Credits: ½ unit

Open to Grades: 9-12

Recommendation: Art Fundamentals

Fundamental skills will expose the student to the possibilities and limitations in the construction and glazing of clay. The student will experience a variety of hand-building methods, glazing techniques, and three-dimensional sculpture.

H1032 ADVANCED CERAMICS

Credits: ½ unit

Open to Grades: 10-12

Recommendation: Proficiency in Ceramics I or instructor's approval

The student will develop creative, technical, and practical skills using hand-building and/or wheel-throwing methods. The student will learn basic chemistry and math necessary to formulate and mix glazes, and will be encouraged in the development of their own personal style. Students may enroll and earn credit for this course more than once.

DRAWING AND PAINTING COURSES

H1130 DRAWING AND PAINTING I

Credits: ½ unit

Open to Grades: 9-12

Recommendation: Art Fundamentals

Using a variety of drawing media, students will sharpen observation skills and learn to use line and tone to create images which exhibit an awareness of the elements and principles of design. Having experienced a number of drawing processes, students will then enter into the world of color, solving drawing and design problems in paint. Students will participate in various art competitions and will begin to develop a portfolio of their artwork.

H1132 ADVANCED DRAWING AND PAINTING

Credits: ½ unit

Open to Grades: 10-12

Recommendation: Proficiency in Drawing and Painting I or instructor's approval

Using a variety of drawing and painting media, students will continue to sharpen observation skills and learn to use line and tone to create images which exhibit a knowledge of the elements and principles of design. Having experienced a number of drawing processes, students will then enter into the world of color, solving drawing and design problems in paint. Students will participate in various art competitions and will begin to develop a portfolio of their artwork that reflects their personal interests in the subject matter. Students may enroll and earn credit for this course more than once.

PHOTOGRAPHY COURSES

H1210 PHOTOGRAPHY I

Credits: ½ unit

Open to Grades: 10-12

Learn to light and compose photographic images, shoot and develop film, operate a camera manually and appreciate the historical and aesthetic components of fine art photography. Students will have the opportunity to work in a dark room, utilize studio lighting, learn digital editing tools and develop a sense of visual literacy.

H1230 ADVANCED PHOTOGRAPHY

Credits: ½ unit

Open to Grades: 10-12

Recommendation: Proficiency in Photography I

Advanced photography students will refine their film and digital photography skills through studio and field photo shoots, editing and presentation of works.

Experimentation with unusual techniques, complex subject matter and advanced editing techniques will be covered.

Business

All Business courses will count for Practical Art credit. Students need 1.0 Practical Art credit to graduate.

BUSINESS AND MARKETING COURSES

H25450S1 & H25450S2 BUSINESS INTERNSHIP

Credit: 1/2 unit

Open to Grades: 11-12

Recommendation: Previous Business Department class & instructor's approval

This semester-long internship class is intended to provide a way for students to apply their formal education from previous business, computer and/or marketing classes to a real life experience. This class will be student driven--meaning students will have a choice in the project based learning that will take place, in conjunction with the class instructor and the community sponsor. Students will work with a company or organization to design, develop, implement, assess, and reflect as they work on real world projects, issues and/or concerns. Examples of internships could include being a graphic designer, web page developer, computer networker, marketing specialist, data-entry clerk, or accounting apprentice. To be successful in this class, students must be self-motivated, responsible, and able to demonstrate initiative. Students must be actively involved in all phases of the internship process; willing to reflect deeply on their learning; willing to learn and use critical thinking and real world problem solving skills to analyze experiences, and use the new ideas gained to take their knowledge and skill-set to the next level. This is not a "sit and get" class. The more effort students put into this class, the more they will learn on many different levels; and the better their teacher and community sponsor evaluations will be. This class may be taken more than once as class content or experience will differ each semester and may be taken outside the normal school hours. Instructor's approval is required and students must provide their own transportation if internship placement is not local.

H2300 BUSINESS LAW

Credit: 1/2 unit

Open to Grades: 11-12

Business Law introduces students to the laws that shape the business world and guide entrepreneurs, employees, and consumers. Students will explore how contracts are formed, how businesses handle disputes, and how laws impact decisions in areas such as employment, consumer protection, and entrepreneurship. Through real-world case

studies and current legal examples, students will see how legal knowledge supports successful business operations. The course emphasizes critical thinking and problem-solving from a business perspective. Guest speakers and potential business site visits will connect classroom learning to real legal environments. By the end of the course, students will understand how the law influences every part of the business world—and how that knowledge can give them a competitive edge.

H2016 INTRODUCTION TO BUSINESS

Credit: 1/2 unit

Open to Grades: 9-11

Introduction to Business provides students with a comprehensive foundation in the essential functions and principles of business. The course explores how strategic planning guides organizational goals, how marketing and economics shape market interactions, and how finance and operations drive business sustainability. Students will also examine accounting practices, ethical decision-making, human resources management, and the role of technology and information systems in supporting business objectives.

H2506S1 & H2506S2 MARKETING 1 WITH PERSONAL FINANCE

Credit: 1 unit

Open to Grades: 11-12

This is a two-semester course with an emphasis on marketing principles and financial responsibility. Topics covered include: marketing functions, promotion, selling, consumer markets, physical distribution, career planning, communications, savings and investing, money management, spending and credit, and income. Class time is devoted to a mixture of creative projects, professional presentations, guest speakers, and field trips for DECA members. In order for students to fulfill the Personal Finance graduation requirement for this course, students must be juniors, pass the coursework portion and receive a 60% or higher on the State Personal Finance Exam.

H2516S1 & H2516S2 MARKETING 2 ACC

Credit: 1 unit

Open to Grade: 12

Recommendation: Marketing I

The advanced marketing course focuses on marketing practices and principles, building upon students' prior knowledge of the world of marketing and providing a professional atmosphere for students to showcase advanced talents. Coursework includes package design, product development, sports and entertainment marketing, human relations, management, entrepreneurship, and careers. During the second semester, these students will produce a philanthropic event to raise money for a charity and provide a

practical application of all their marketing coursework. *Note: Students may receive dual credit from Missouri State. This course counts as a weighted grade.*

H2010 PERSONAL FINANCE

Credit: 1/2 unit

Open to Grades: 10-12

This course fulfills the Personal Finance graduation requirement.

While focusing on their role as a citizen, student, family member, consumer, and an active participant in the business world, students in this course will explore various financial responsibilities. This course will provide exposure in the areas of income, money management, spending and credit, taxes and insurance, and savings and investing. It will also provide opportunities for self-awareness, expression, and satisfaction in an ever changing society. Students will discover new ways to maximize their earning potential, develop strategies for managing their resources, and explore skills for the wise use of credit, and gain insight into the different ways of investing money. *Note: Students may receive dual credit from Missouri State.*

COMPUTER COURSES

H2074S1 & H2074S2 PC Pro CERTIFICATION COURSE

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Introduction to Computer Maintenance. Students who have earned a "B" or higher in Introduction to Computer Maintenance have experienced a challenging yet appropriate placement in this class.

This year-long course and additional outside studying prepares the student for completion of the COMPTIA A+ and/or the TestOut PC Pro certification exam. It is the foundation course for all computer technicians. The student will gain knowledge and experience that will allow them to install, upgrade, and repair personal computers and peripherals (printers, scanners, and modems) through a series of hands-on lab experiments. *Note: Strong knowledge of computer architecture & operations needed.*

H2081S1 & H2081S2 AP COMPUTER SCIENCE

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Students who are passionate about mathematics and/or have completed a middle school computer science course have experienced a challenging yet appropriate placement in this class.

Reach higher, learn differently, find your passion, imagine and succeed, and challenge yourself with this year-long course in advanced Java programming. This course advances a student's previous object-oriented programming experience to the more

structured world of computer science and programming using the Java programming language. This Advanced Placement course emphasizes programming methodology, procedural abstractions, as well as a detailed examination of a large case study program. Students will use in-class lessons to create Java-based computer programs in preparation for taking the AP A Exam. Students will take the Computer Science A Exam® at the conclusion of the course. A successful grade on the AP is a widely recognized sign of college-level achievement. This course provides a one semester opportunity to earn from 3-6 hours of college credit from universities accepting AP credit. *Note: Students in grades 9-12 may receive dual credit from Missouri State University.*

H2079 COMPUTER PROGRAMMING WITH PYTHON

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Students who are passionate about mathematics and/or have completed a middle school computer science course have experienced a challenging yet appropriate placement in this class.

This course introduces students with little or no programming experience to the fundamental features and essentials of computer science and object-oriented programming, with an emphasis on helping students develop logical thinking and problem solving skills. Students will be introduced to the multiple stages a programmer works through to take a programming concept and produce a usable Python application. Through engaging activities and graphical programming exercises students will develop skills and knowledge in programming including using mathematical operators; order of operations and error handling, data types and variables; using “if” statements, loops, and arrays; creating menus; and drawing lines and shapes. With the beginning programmer in mind, this course will introduce you to a new career, maybe your own!

H2082 COMPUTER PROGRAMMING WITH PYTHON 2

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Computer Programming with Python

This course introduces students with intermediate to advanced programming experience to the sophisticated features and complexity of computer science and object-oriented programming, with an emphasis on helping students develop logical thinking and problem solving skills. Students will be introduced to the multiple stages a programmer works through to take a programming concept and produce a usable Python application. Through engaging activities and graphical programming exercises students will further develop skills and knowledge in programming including program output, input, variables, simple selection, simple iteration, lists, basic subroutines, files recursion, personal databases, and error handling. Students will also be exposed to the

process of developing fullstack web applications using the fullstack Python-powered Django Rest Framework With the serious programmer in mind, this course will prepare students for the next level of computer programming! *Students may earn college credit from Carnegie Mellon University.*

H2072S1 & H2072S2 CYBERSECURITY

Credit: 1 unit

Open to Grades: 10-12

Recommendation: This course is a multidisciplinary course, so it is recommended that students complete Computer Programming with Python and Web Design and earn a “C” or better in each course prior to enrolling in this course.

As our world becomes increasingly dependent on the Internet, securing home, corporate and government computer systems and networks from external threats is growing in importance. It is crucial that all computer systems and networks are protected from these growing threats and our nation is short on cybersecurity professionals to defend them. Students will gain the knowledge and skills they need to install, configure, and maintain a network. Students will also learn to be aware of network attack strategies and common countermeasures using various penetration testing tools to analyze networks for vulnerabilities. Knowledge of these vulnerabilities also helps students to understand how to counter these vulnerabilities and improve network security. Students will have the ability to earn a TestOut.com Security Pro Certification in the course free of charge. Students can also opt to get TryHackme.com’s Junior Penetration Tester (PT1) Certification. Are you ready for the challenge to defend computer systems and networks from external threats? If so, then this course will help you become a Cybersecurity Professional!

H2075S1 & H2075S2 GAME DESIGN AND C# PROGRAMMING

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Students who are passionate about mathematics and/or have completed a middle school computer science course have experienced a challenging yet appropriate placement in this class. Students who earned a “C” or better in Algebra have experienced a challenging yet appropriate placement in this course.

This course introduces students with little or no programming experience to the fundamental features and essential skills necessary to create exciting 2D games! Students will be introduced to the C# language; examine interfaces, exceptions, file access, and random numbers; learn how to gather user input; learn to draw custom game characters using Adobe Illustrator, Piskel App; and learn to build 2D games using the GoDot game engine. Through classroom instruction and laboratory experience students will develop skills and knowledge in programming including using mathematical operators and control statements; creating custom classes with reusable

methods; implementing polymorphism and using arrays to hold game data; drawing unique game characters to match a student-generated storyline, and using Visual Studio and C# or GDScript to collect data and output sound. If you love playing games, then this course will take your game playing to a whole new level, and maybe to a new career! Prior programming background or completion of Computer Programming with Java course is strongly recommended for this course. *Note: Students in grades 10-12 may receive dual credit from Missouri State University.*

H2077S1 & H2077S2 GAME DESIGN 2 AND C# PROGRAMMING

Credit: 1 unit

Open to grades: 10-12

Recommendation: Game Design 1 with a C or better

This course advances students' game development skills to the fundamental features and essential skills necessary to create exciting 3D games! Students will advance their C# language programming skills; examine 3D modeling using AutoDesk Maya 2016 and Blender and learn to develop 3D game characters and game terrain; learn how to gather user input; and learn to build 3D games using the Unity game engine. Through classroom instruction and laboratory experience students will continue to develop skills and knowledge in programming including using mathematical operators and control statements; creating custom classes with reusable methods; implementing polymorphism and using arrays to hold game data; drawing unique game characters to match a student-generated storyline, and using Visual Studio and C# to collect data and output sound. This course is designed for those students looking to advance their game development skills from our 2D Game Design course and take their skills to a whole new dimension!

H2344 GRAPHIC DESIGN

Credit: 1/2 unit

Open to Grades: 9-12

CREATIVITY, CREATIVITY, CREATIVITY Create your own invitations and graduation announcements, make a calendar with your own personal pictures and design, illustrate and write your own magazine and children's storybook, make personal business cards and cartoon scripts and MUCH MORE! With your creativity and the computer you will produce masterpieces! These assignments will be done in Microsoft Publisher 2016 and Adobe InDesign CS5. Scanners and digital cameras will be used to make projects more personal. Designing, planning, and producing these assignments will allow students to utilize their creativity.

H2346 GRAPHIC DESIGN 2

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Graphic Design

Graphic Design 2 is a semester course that will focus on Adobe Photoshop CS5, Adobe Illustrator CS5 and InDesign CS5. Students will be able to manipulate and alter images in Photoshop, draw using Adobe Illustrator and apply them into their layouts using InDesign. Projects will include a newspaper, personalized yearbook, a community service project and MUCH MORE. Having the opportunity to learn how to integrate text, graphics, and photographs by applying principles of layout and design will result in professional quality publications for practical and business use. If you have ever thought about majoring in graphic design, then this is the course for you!

H2092 INTRODUCTION TO COMPUTER MAINTENANCE

Credit: 1/2 unit

Open to Grades: 9-12

Students will expand their understanding of basic computer architecture and operation (how computers work), common software packages and usage (what computers can do for you) and consumer maintenance practices (how to keep computers running). The student will gain knowledge and experience through a series of daily hands-on lab experiments that will help them to build their own computer. Students will have the ability to earn their TestOutPC Pro Certification free of charge!

H2095 WEB DESIGN

Credit: 1/2 unit

Open to Grades: 9-12

Have you ever wanted to create your OWN WEB PAGE, but just don't know how? If so, this is the course for you! This class will provide students with classroom & laboratory experience in web design focusing on the overall production process with emphasis on design elements involving layout, navigation, & interactivity. Adobe Illustrator, Inkscape, Cascading Style Sheets, JavaScript, and HTML will be used to create fabulous web pages. Scanners and digital cameras will be implemented to add those finishing touches to your pages. *Note: Students may receive dual credit from Missouri State University.*

H2096 ADVANCED WEB DESIGN

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Web Design

This class will provide students with Python Programming classroom and laboratory experience with advanced web design topics focusing on the overall production process of a website with emphasis on commercial layout techniques, advanced site functionality with Python and the Django Web Development Framework. Adobe Illustrator, Inkscape, Visual Studio Code, Cascading Style Sheets and HTML will be

used to create fabulous web pages that serve the needs of profit and nonprofit companies. Students will learn how to create an Object-Relational Mapping Database and learn how to create, retrieve, update and delete data from the database. This course is designed to build upon introductory design techniques learned in the Web Design course while introducing advanced web interactivity techniques and programming languages demanded by web-based companies.

ENGINEERING COURSES

H5350S1 & H5350S2 INTRODUCTION TO ROBOTIC ENGINEERING

Credit: 1 Unit

Open to Grades: 9-12

Recommendation: Students who are passionate about mathematics and/or have completed a middle school computer science course have experienced a challenging yet appropriate placement in this class.

This hands-on introductory Robotic Engineering course is designed to introduce the students to the field of robotics and computer programming. This class immerses the student in real world science and technology challenges. Over the course of the year, students strategize, design, build, program (Python) and test autonomous robots using LEGO MINDSTORMS® and other models. Heavy emphasis is placed on acquiring programming skills in relation to motors, servos and sensors. This course will provide the opportunity for students to explore careers in science, technology, engineering, arts and mathematics (STEAM). Students will also develop career and life skills including critical thinking, time management, collaboration and communication. Lab fee may apply. Students in Robotic Engineering are strongly encouraged to participate in the Statesman Robotics Team and the FIRST® Tech Challenge.

H5357S1 & H5357S2 ADVANCED ROBOTIC ENGINEERING

Credit: 1 Unit

Open to Grades: 10-12

Recommendation: Introduction to Robotic Engineering

Advanced Robotic Engineering allows students to continue to explore mechanical systems, electronics and programming. Primarily a lab experience, this class provides students opportunities to design, build and program functional autonomous robots from a variety of professional platforms. Students will design Rev V2 machines that can navigate diverse environments, recognize other robots, and manipulate objects. Unlike robots utilized in the introductory class, all Advanced Robotics are expected to be totally autonomous, meaning they should solve the problem with no human intervention. The class also explores other STEAM topics, such as digital logic, branding and artificial intelligence. Students will also develop career and life skills including critical thinking, design, project management, teamwork, strategic thinking and Gracious

Professionalism-a philosophy that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. Lab fee may apply. Students are strongly encouraged to participate in the Statesmen Robotics Team and the FIRST® Robotics competition. Students may repeat this class.

Chelsea Center for Experiential Learning

9098 CHELSEA CENTER TEACHING AND LEARNING COHORT

Credit: 2 units; this is a two-hour, year-long course Recommendation: None

Open to Grades 11-12

Considering a career in teaching and looking to jump-start your college education? Study the art of teaching and be part of our Grow-Your-Own educator program. The Webster Groves School District will invest in you now to develop your teaching skills with the hope you will come home to join our faculty after college. Explore teaching through observations, small group instruction, and supported teaching opportunities in K-8 classrooms throughout WGSD. Students will also participate in seminar-style classes to study best practices in teaching and to reflect on their learning along the way. Through our partnership with Webster University, students gain access to their virtual classroom simulator and workshop sessions with faculty from Webster University's School of Education. *Note: Students may earn 4 hours of dual credit from Webster University. Enrollment for college credit requires a GPA of at least 3.0 and counselor recommendation.*

H9144S1 & H9144S2 CHELSEA CENTER PASSION PURSUIT EXPERIENCE

Credit: ½ unit

Open to grades: 9-12

What lights you up inside? In this course, we will work together to design a process to dive deep into an interest you have, and pair you with a community mentor for expert subject guidance. We will work in a cycle of carefully chosen experiences supported by reflection, analysis, and experimentation. The course structure encourages you to take initiative, make decisions, and be accountable for the results through actively wondering, designing, tinkering, collaborating, adapting, and communicating your growth. Each week you will reflect on your experiential learning and produce a deliverable that captures progress toward your goals. By the end of the course you will have curated authentic experiences and products that will not only bring you joy but also set you apart in your college and professional interviews.

H9146S1 & H9146S2 CHELSEA CENTER PASSION PURSUIT: MERCY HOSPITAL CLINICAL FIELD EXPERIENCE

Credit: ½ unit

Open to grades: 11-12 with application process

Interested in exploring a career in medicine? If so, this course is for you! The Chelsea Center partners with Mercy Hospital STL to provide you with the opportunity to shadow

medical professionals for 40 hours. Team Chelsea will support your experience through reflection, analysis, and experimentation. Each week you will reflect on your clinical field experience and produce a deliverable that captures progress toward your goals. By the end of the course you will have curated authentic experiences and products that will not only bring you joy but also set you apart in your college and professional interviews.

Note: Students must be able to commit to time outside of school to complete the hours needed for this experience. Limited seats are available, as dictated by Mercy.

H9142S1 & H9142S2 CHELSEA CENTER INTERNSHIP EXPERIENCE

Credit: ½ unit

Open to grades: 9-12

Are you ready to explore your dream career now, while you are still in high school? In this course, you will explore a potential career through hands-on, project-based learning with a partner company or nonprofit. We have some community partners ready to host interns now, and can also work to develop new partnerships to align with your professional interests. Each week you will reflect on your experiential learning and produce a deliverable that captures progress toward your goals. By the end of the course you will have curated authentic experiences and products for your professional portfolio that will set you apart in your college and professional interviews.

H9148S1 & H9148S2 CHELSEA CENTER GUIDED SERVICE LEARNING EXPERIENCE

Credit: ½ unit

Open to grades: 9-12

Create change and be changed: Learn about and make your own impact with the great organizations addressing local and regional issues. In this guided service learning class, we partner with local organizations to engage in hands-on service. By the end of the course you will have curated authentic experiences and products that demonstrate your initiative, problem-solving skills, and ability to create effective responses to community needs.

H9143S1 & H9143S2 CHELSEA CENTER INDEPENDENT SERVICE LEARNING EXPERIENCE

Credit: ½ unit

Open to grades: 9-12

Recommendation: Guided Service Learning

Create change and be changed: In this independent service learning class, research and co-design a service project to address a human or community need through hands-on exploration. By the end of the course you will have curated authentic

experiences and products that demonstrate your initiative, problem solving skills, and ability to create effective responses to community needs.

9145 CHELSEA CENTER TRAVEL EXPERIENCE

Credit: ¼ or ½ unit

Recommendation: Chelsea Center approval prior to extended or school-sponsored travel experience. Open to grades: 9-12

This course is designed for students engaging in school-sponsored travel experiences or students engaging in extended personal/family travel whose focus is on place-based or cultural learning. In this course, *prior to your travels*, you will set goals and design your reflection process on your extended or school-sponsored travels alongside a Chelsea Center staff member. You will be asked to set goals and then track your progress toward those goals during your travels—through written journals, or social media, photo journals, videos or other methods that you design in partnership with the Chelsea Center. By the end of the course you will have curated authentic experiences that will not only bring you joy but also set you apart in your college and professional interviews. *Note: Students will only register for this course as part of their schedule during summer school. During the school year, students will not register for this course as part of their schedule. Instead, students will earn credit on their transcript after the course requirements are met. Students must meet with Team Chelsea prior to their travel experiences to earn credit.*

English Language Arts

Students must earn 4.0 English credits to graduate from WGHS. Each year-long English course will require summer reading.

H3270S1 & H3270S2 FRESHMAN LITERATURE AND COMPOSITION

Credit: 1 unit

Open to Grade: 9

Freshman Literature and Composition is a one-year course incorporating the study of language skills and writing with an introduction to various literary genres. The course provides a foundation and background for students who are college-bound and expect to take advanced English courses in the later high school years. Students study the novel, short story, drama, and poetry (including the epic). Some major works studied include *The Autobiography of Malcolm X*, Shakespeare's *Romeo and Juliet* and Homer's *Odyssey*. Optional works include *A Separate Peace*, *Of Mice and Men*, *Lord of the Flies*, and *Purple Hibiscus*. In addition, students read short stories by such authors as Poe and O. Henry; and poetry by such authors as Robert Frost and Langston Hughes. Vocabulary study draws from the literature or from word lists appropriate for this grade level. Students study the process of writing from the generation of ideas through revision and editing. All students write several multi-paragraph papers each semester and study the various modes including narration, explanation, persuasion, and description. In addition, students study the grammar and mechanics of English and apply those skills to expository compositions, including the I-Search paper. This course emphasizes the development of study skills including organization and long- and short-term planning. Because of the nature of this course and the material covered, students do a considerable amount of reading and writing outside the classroom. Opportunities to earn Honors grades are given each semester.

H9060S1 & H9060S2 GIFTED ENGLISH 9

Credit: 1 unit

Required: In Gifted and Talented Program

Open to Grade: 9

Gifted 9 is a language arts course for freshmen identified as gifted. Its purpose is to immerse gifted students in literature, writing assignments, activities, and projects that will challenge them while addressing their unique learning styles and affective needs. Freshmen English is a foundation course, so students will study the foundations of literature and the English language. Therefore, this course will cover such basics as the epic, tragedy, the novel, poetic techniques, the short story, and creative non-fiction.

Texts may include Homer's *The Odyssey*, Wa Thiong'o's *The Perfect Nine*, San Exupery's *The Little Prince*, Hesse's *Siddhartha*, Golding's *The Lord of the Flies*, Bradbury's *Something Wicked This Way Comes*, Hong Kingston's *The Woman Warrior*, Sophocles's *Oedipus Rex*, *Beowulf*, Asimov's *I, Robot*, Conan Doyle's *The Hound of the Baskervilles*, and a variety of non-fiction, films, short stories, and poetry. Relevant historical and cultural material will be addressed as well, in order that students may better understand overarching themes and archetypal patterns. Emphasis will be placed on weekly grammar instruction (particularly basic sentence structure, clarity, and punctuation) and vocabulary (word origins and ACT/SAT test prep). Students will participate in a variety of writing assignments, the largest of which is the I-Search research project, which also involves out-of-school job shadowing. This project will be conducted and written in the second semester. Students will have required reading over the summer. *Note: This course will count as a weighted grade.*

H3450S1 & H3450S2 WORLD LITERATURE AND COMPOSITION

Credit: 1 unit

Open to Grade: 10

This full-year college preparatory course for sophomores is designed to prepare students for junior English. Since it combines a study of literature and composition, reading and writing assignments are frequently connected. Students improve their skills by approaching literature in terms of theme, characterization, structure, symbolism, irony, and figurative language. Organized around world literature, readings may be chosen from the following: Shakespeare's *Julius Caesar* or *Macbeth*, Camus' *The Stranger*, Satrapi's *Persepolis*, Achebe's *Things Fall Apart*, Sophocles' *Oedipus Rex*, Wiesel's *Night*, Esquivel's *Like Water for Chocolate* and Dante's *Inferno*. Equal emphasis is placed on the writing process, particularly sentence structure, paragraph organization and development, and mechanics. Students compose several writing pieces of varying lengths per semester, including personal and analysis essays and a research paper. Vocabulary study draws from the literature or from word lists appropriate for this grade level. Students sit for the Missouri End of Course Exam.

H3455S1 & H3455S2 HONORS WORLD LITERATURE AND COMPOSITION

Credit: 1 unit

Open to Grade: 10

Recommendation: Students who earned an "A-" or better in both semesters of Freshman Literature & Composition will be appropriately challenged in this course; one semester of Freshman H-Grade strongly recommended.

This full-year college preparatory course for sophomores is more rigorous and accelerated, designed for the student who is ready for a challenging English experience. Organized around works of world literature, readings may be chosen from the following:

Shakespeare's *Much Ado About Nothing*, Camus' *The Stranger*, Achebe's *Things Fall Apart*, Sophocles' *Oedipus Rex*, Esquivel's *Like Water for Chocolate*, Satrapi's *Persepolis*, and Dante's *Inferno*. Through these texts, students improve their analytical skills by interpreting literature in terms of such elements as theme, characterization, structure, symbolism, irony, figurative language, and diction. Students may also expect to read extensive selections of nonfiction such as Kristoff and WuDunn's *Half the Sky* and along with poetry from around the world. Equal emphasis is placed on the writing process, particularly sentence structure, organization and development, diction, and mechanics. Students compose several major writing pieces per semester, including rhetorical analyses and critical essays. Also included is the Global Issues Research Paper. Vocabulary study draws from the literature or from word lists appropriate for this grade level. Students sit for the Missouri End of Course Exam in April. Summer reading is required for this course. *Note: This course counts as a weighted grade.*

H9080S1/H9080S2 AP ENGLISH SEMINAR

H9070S1/H9070S1 AP ENGLISH SEMINAR - Gifted 10

Credit: 1 unit

Open to Grade: 10-12

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. *Note: This course counts as a weighted grade.*

H3763S1 & H3763S2 20th CENTURY AMERICAN LITERATURE & COMPOSITION

Credit: 1 unit

Open to Grade: 11

This college preparatory course provides an extensive study of literature, composition, grammar, and research techniques. Literary study will focus on influential modern American literature supplemented with relevant fiction and non-fiction texts from the 19th through the 21st Centuries. Representative works may include Hurston's *Their Eyes Were Watching God*, Hemingway's short stories, Fitzgerald's *The Great Gatsby*, Miller's *The Crucible*, Wilson's *Fences*, and selected short stories and nonfiction texts. The course stresses synthesis as a process of critical analysis. Throughout the year,

students will write multiple essays based on literature, exposition and argumentation, and research. Critical reading skills, ACT preparation techniques, and vocabulary development are emphasized throughout the year.

H3775S1 & H3775S2 AP ENGLISH LANGUAGE & COMPOSITION ACC
H3700S1 & H3700S2 AP ENGLISH LANGUAGE & COMPOSITION ACC - GIFTED 11

Credit: 1 unit

Open to Grade: 11

Recommendation: Students who earn a “B” or better in Honors World Lit. & Comp or “A-” or better in World Lit & Comp have experienced an appropriate yet challenging placement in this course.

AP Language and Composition is a college level course designed to prepare students to be able to write effectively and confidently in their future courses across the curriculum and in their professional and personal lives. Students will read a wide variety of predominantly non-fiction texts with an emphasis on American authors and essayists. The primary goal of these readings will be to analyze good writing by identifying and explaining the author’s techniques. Students should expect to write extensively and for a variety of purposes in order to develop their own stylistic maturity in the use of rhetorical strategies. Assignments will include creating and sustaining expository, analytical, and argumentative compositions that introduce a complex central idea and develop it with appropriate evidence drawn from primary and/or secondary sources. Students can expect to conduct research requiring citation of primary and secondary sources with careful attention to inquiry and research. Students may also expect extensive work in grammar and vocabulary. Texts studied in whole or part include *Nickel and Dimed*, *Fast Food Nation*, *Freakonomics*, *Into the Wild*, *Glass Castle*, *The Grapes of Wrath*, *The Great Gatsby*, as well as extensive selections of essays. In May, students are encouraged to sit for the AP Language and Composition Exam. Competitive and selective colleges typically award credit for scores of 4 and 5. *Note: This course counts as a weighted grade, and students may receive dual credit from UMSL.*

H3685S1 & H3685S2 AFRICAN AMERICAN LITERATURE AND CULTURE

Credit: 1 unit

Open to Grade: 12

This year-long course is designed for the serious student interested in African-American heritage. Students study African-American writers and their contributions to the cultural development of this country. The course requires frequent independent reading, homework and group work, and class discussion. The literature—autobiographies, short stories, poetry, drama, and novels—are taught in chronological order. The course not only has the intent of exposing students to literature from the African-American community, but also enlightening them to the nuances of a culture. Through the

readings and class participation, students experience the inner workings of this very rich heritage. The course covers the oral tradition in Africa, the Civil War, the Reconstruction Era, and the beginnings of the Harlem Renaissance. Semester II covers the end of the Harlem Renaissance, World War II, the Civil Rights movement, and contemporary issues. Students may elect to take either Semester I, Semester II, or both. Specific works may include *Black Like Me*, *The Color Purple*, *Invisible Man*, *A Lesson Before Dying*, *Piano Lesson*, and *Bluest Eye*.

H3745S1 & H3745S2 CONTEMPORARY LITERATURE AND COMPOSITION

Credit: 1 unit

Open to Grade: 12

This course is recommended for students who have taken Honors US Studies or 20th Century American Literature.

This year-long course prepares students for college and other post-secondary opportunities. Students strengthen their critical thinking skills by exploring contemporary readings, composing at least six formal papers, and practicing revisions and rewriting. Key texts for this class include college-level reading selections from essays, novels, and short stories. Anchor papers include the college/career readiness essay first semester and the multi-genre research paper second semester. Composition skills include focused exercises in editing, refining sentence structure, and drafting coherent paragraphs and essays. Weekly vocabulary study involves learning Latin and Greek word parts with English derivations.

H3795S1 & H3795S2 AP ENGLISH LITERATURE & COMPOSITION ACC H3710S1 & H3710S2 AP ENGLISH LITERATURE & COMPOSITION ACC - GIFTED 12

Credit: 1 unit

Open to Grade: 12

Recommendation: Students who have earned an "A" in 20th Century American Literature or "B" in AP English Language have experienced an appropriate yet challenging placement in this course.

Students learn to read literature (fiction, non-fiction, drama, and poetry) for multiple meanings and interpret them for theme, symbolism, figurative language, and consideration of authorial influences using multiple critical approaches. Students also master composition skills such as grammar/usage, sentence structure, logical organization, controlling voice, and collegiate-level analytical argumentation. The literature selections explore universal themes with both stylistic and artistic merit. Studied works may include *Invisible Man*; *Frankenstein*; *Wuthering Heights*; *Heart of Darkness*; *Brighton Rock*; *Ceremony*; *Beloved*; *Never Let Me Go*; *Othello*; *The Sun Also Rises*; *Mrs. Dalloway*; *The Importance of Being Earnest*; and selections of romantic, metaphysical, modern, and contemporary poetry. Students write extensively and are

encouraged to take the AP English Literature exam in May. Competitive and selective colleges typically award credit for scores of 4 and 5. Summer reading is required. *Note: This course counts as a weighted grade, and students may receive dual credit from UMSL.*

H3715S1 & H3715S2 ACC EMERGING VOICES: LITERATURE OF CRITICISM AND RESISTANCE

Credit: 1 unit

Open to Grade: 12

Recommendation: Students who have earned an “A” in 20th Century American Literature or “B” AP English Language have experienced an appropriate yet challenging placement in this course.

The is a rigorous college-credit course for seniors interested in a disciplined study of literature written from varied, multicultural perspectives. Through exploration of rich and diverse texts that challenge both cultural and societal norms and expectations, students will develop skills in close-reading and literary analysis as well as in academic, formal writing. A special focus will be placed upon the understanding and interpretation of critical theory, and prospective students should expect to read college-level texts and compose literary analysis essays throughout the year. In addition, the course will focus on drafting and revising the college/career-readiness essay during the first month of school. Required texts may include the following: Song of Solomon, The Metamorphosis, Invisible Man, The Handmaid’s Tale, White Noise, The Piano Lesson, and numerous poems, essays, articles and excerpts. Summer reading is required. *Note: This course counts as a weighted grade, and students may receive dual credit from UMSL.*

ELECTIVE CLASSES

H9135S1 & H9135S2 COLLEGE AND CAREER READING I

Credit: 1 unit of elective credit

Open to Grades: 9-10

Enrollment: based on assessment data and teacher recommendation

This class allows students to work individually to improve comprehension, vocabulary development, and study skills. Students will practice skills necessary for critical reading and analysis of literature, efficient use of time, effective note-taking, studying and test-taking strategies. Reading assessment will determine class placement. A variety of materials are used in the class, including, but not limited to software, multi-sensory instruction, independent novels, class readings, newspaper articles, and timed reading passages. A majority of work is completed individually based on the reading level of each student.

H9136S1 & H9136S2 COLLEGE AND CAREER READING II

Credit: 1 unit of elective credit

Open to Grades: 11-12

Enrollment: based on reading assessment data and teacher recommendation

This class allows students to work individually to improve comprehension, vocabulary development, and study skills. Students will practice skills necessary for critical reading and analysis of literature, efficient use of time, effective note-taking, studying and test-taking strategies. Reading assessment will determine class placement. A variety of materials are used in the class, including, but not limited to software, multi-sensory instruction, independent novels, class readings, newspaper articles, and timed reading passages. A majority of work is completed individually based on the reading level of each student.

H3260 CREATIVE WRITING

Credit: 1/2 unit

Open to Grades: 10-12

This semester course is open to student authors who wish to improve their creative writing skills. It is in a workshop format and requires strong self-motivation and organization, as the student determines most of his or her writing assignments. During the course, students compile a portfolio of rewrites, mini-lessons tailored to meet student needs and spark ideas, and many drafts. Mini-lessons will focus on everything from alternative forms of poetry to using research in writing and using personal experience to formatting dialogue. Students will be encouraged to draft in genres of their choice: poetry, fiction, creative nonfiction, screenplay, etc. Stretching the imagination and experimenting with new forms and topics are encouraged. Grades will be based on class participation in freewrites and mini lessons, weekly drafting, and the finalized pieces due at the end of each month. The final for this course is revising a work and submitting it for publication.

H3261 CREATIVE WRITING II

Credit: ½ unit

Open to Grades: 11-12

Recommendation: Creative Writing I

This semester course is open to student authors who wish to continue to improve their creative writing skills. It is in a workshop format and requires strong self-motivation and organizations, as the student determines most writing assignments. During the course, students compile a portfolio of rewrites, mini-lessons tailored to meet student needs and spark ideas, and many drafts. Mini-lessons will focus on everything from alternative forms of poetry to using research in writing and using personal experience to formatting dialogue. Students will be encouraged to draft in genres of their choice: poetry, fiction,

creative nonfiction, screenplay, etc. Stretching the imagination and experimenting with new forms and topics are encouraged. Grades will be based on class participation in freewrites and mini lessons, weekly drafting, and the finalized pieces due at the end of each month. Active participation in the annual school writing festival is strongly encouraged. The final for this course is revising work and submitting it for publication.

H3850 FILM APPRECIATION

Credit: 1/2 unit

Open to Grades: 11-12

Students must be concurrently enrolled in full-year English course

This one-semester course provides an overview of important genres, directors, techniques, and trends in American and foreign films. The course is designed to increase students' appreciation for film, to provide an understanding of the dynamics that shape film, and to expand cultural awareness. The course examines 12-15 films, representing major movements in film history, including film noir, the MGM musical, Hitchcockian suspense, the John Ford western, award-winning foreign work, and modern independent film. Film study concentrates on the analysis of movies as literature, giving scrutiny to plot, character, symbolism, and themes of each landmark film. The course requires serious note-taking, study questions, daily quizzes, exams, and two critical papers. Film Appreciation is an excellent course for students who are serious about the critical study of film and its place in our popular culture.

H3500S1 & H3500S2 JOURNALISM

Credit: 1 unit of elective credit

Recommendation: Freshman Lit & Comp. (may take concurrently)

Open to Grades: 9-12

Journalism is a one-year writing course intended for students who like to write, who want to prepare for college writing or who plan to work on the newspaper and the yearbook. Course content includes news writing, features, editorials, advertising, headline writing, sports writing, news analysis, legal and ethical issues, video editing and production, and layout.

H3510S1 & H3510S2/3511 PUBLICATIONS/THE ECHO PAPER

Credit: 1 unit of Communication Arts or Practical Arts credit

Open to Grades: 10-12

Recommendation: Journalism & instructor approval

The paper staff is chosen from the journalism classes. The staff publishes the monthly school paper and its online version. In alternate years it also prepares the Turkey Day program. Besides the time required for story assignments, staff members spend time outside school hours for page design of the paper and ad solicitation.

H9138S1 & H9138S2 BROADCAST JOURNALISM *(pending board approval)*

Credit: 1 unit of elective credit

Open to Grades: 9-12

Students will explore various ways professional journalists prepare for multimedia broadcast projects. By the end of the course, students will be ready to create multimedia packages to supplement written work and vice versa. Students will learn how to storyboard, the basic rules about camera placement, the rule of thirds, camera movements, how to scout a location and how to cast talent. Students will be exposed to different camera angles while putting script writing to practice. Students will also learn about how to listen and tell a story through narrative storytelling while putting their skills and methods into practice.

H3332 PUBLIC SPEAKING

Credit: 1/2 unit

Open to Grades: 9-12

This is a semester-long class that dives into the situations where one would need to address the public. Modeled after the national tournament events, this class explores different types of speeches, public service announcements, radio broadcasting and many other types of formal address.

H3335 DEBATE

Credit: 1/2 unit

Open to Grades: 9-12

This is a semester-long class that dives into the game of debate and deepening the skills involved with persuasion. Modeled after national tournament events, this class explores different types of debate, how to build better cases, constructing solid reasoning and delivering strong arguments. Laptops are recommended if available.

Family & Consumer Sciences

All Family and Consumer Sciences courses will count for Practical Art credit. Students need 1.0 Practical Art credit to graduate. When participating in Family & Consumer Sciences, students will become eligible after two credits and meeting other requirements to join the National Technical Honors Society.

CHILD DEVELOPMENT COURSES

H4705 CHILD DEVELOPMENT I

Credit: 1/2 unit

Open to Grades: 9-12

Child Development offers an overview of early childhood development from conception to age 8. The course includes instruction on prenatal development, developmental stages through age 8, creating and maintaining a safe learning environment for young children, and career opportunities working with children. Opportunities to work hands-on with children in the community are included in this course. This course is recommended for responsible, motivated students who enjoy working with children and studying their development. *Note: Eligible students may earn dual credit through Missouri State University.*

H4725 ADVANCED CHILD DEVELOPMENT II

Credit: 1/2 unit

Open to Grades: 10-12

Recommendation: Students who have earned a "C" or better in Child Development I experience a challenging yet appropriate placement in this course.

Child Development II allows students to further analyze the physical, cognitive, and social-emotional development of children by working hands-on with children at the Statesmen Preschool. Effective ways of teaching young children in a classroom setting will be emphasized. Students will explore strategies that promote growth and development, plan lessons, and create activities to enhance a child's learning. Students will analyze quality childcare programs, explore ethics and professionalism, and research career options in the area of child development. This course is strongly recommended for highly motivated students who are considering a career in a child-oriented field. *Note: Eligible students may earn dual credit through Missouri State University.*

H4745 ADVANCED CHILD DEVELOPMENT III

Credit: 1/2 unit

Open to Grades: 11-12

Recommendation: Students who have earned a "C" or better in Advanced Child Development II experience a challenging yet appropriate placement in this course.

Child Development III will expand skills in working with young children by developing specific projects utilized in the Statesmen Preschool. Projects include financial management of the preschool, activity coordinators for science, reading, math, music and physical experiences as well as public relationships, classroom management, and outreach programs. The mechanics of running an effective program with parent involvement, resource management, and a safe environment will be emphasized. Child Development III is an experiential learning experience for students who are planning a future in a child-related field.

H4755 CHILD DEVELOPMENT INTERNSHIP

Credit: ½ to 1 unit

Open to Grades: 11-12

Recommendation: Proficiency in Child Development sequence and instructor's approval

Child Development Internship provides an experiential learning experience by working in an elementary school, early childhood center, or the Statesmen Preschool. During the one to two hour block, the students will assist the teacher with projects involving young children. Students who select to go to outside preschools or elementary schools will select a two hour option for 1 credit. Those students who elect to work in the Statesmen Preschool may select 1 or 2 hours for ½ or 1 credit. Since this course may be off campus, transportation to the facility is the responsibility of the student. This experiential learning course is perfect for highly motivated, dedicated students who are planning a career in education or other child-oriented field.

FASHION AND INTERIOR DESIGN COURSES

H4520 FASHION DESIGN

Credit: 1/2 unit

Open to Grades: 9-12

Fashion Design I is an introductory course encompassing sewing skills and foundational knowledge of the fashion industry. The study of colors, elements of design, industry terminology, construction methods, and fabrics will be combined to create original sketches for garments that include history time periods up to modern day. The operation of a sewing machine coupled with garment construction techniques will allow students to create several personal and service learning projects. Students will also explore varied career options within the fashion industry including fashion

merchandising, product and design development, and garment construction. Individual sewing supplies are preferred, but can be provided when necessary.

H4522 ADVANCED FASHION DESIGN

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Students who have earned a "C" or better in Fashion Design I or have acquired equivalent experience as verified by the instructor may continue on to Fashion Design II

Students will advance their sewing construction and design skills through a minimum of 3 projects. Throughout the semester, students will expand on previous knowledge and must have a working knowledge of commercial patterns, symbols and parts. Students will explore and experiment with various advanced sewing and construction techniques including: closures, advanced seam-finishing, tailoring and repair work. Being able to work independently, with guidance, is essential. Students will showcase their work through a fashion show submission, fashion illustration portfolio or another format or choice.

H4790 HOUSING AND INTERIOR DESIGN

Credit: 1/2 unit

Open to Grades: 9-12

Through a variety of projects and activities, the students will analyze their present living arrangement, future dorm room, apartment, and dream home. Recognizing furniture and housing styles, examining floor plans, and studying the elements of design will be part of the curriculum. Students will gain skills needed to make solid housing choices throughout life. Future housing and decorating trends will be analyzed. Students will use a variety of art media to express their design style through hands-on projects such as room layouts, design boards and computer generated assignments. This course will be project oriented for the student interested in all areas of housing and design.

CULINARY ARTS COURSES

H4610 CULINARY ARTS FOUNDATION

Credit: 1/2 unit

Open to Grades: 9-12

Through academic and in-lab experiences, students will explore topics related to nutrition and health-conscious meal planning. Students will explore nutritional needs, healthy food choices and focusing on nutrients derived from each food group. Laboratory experiences are designed to develop essential food preparation skills while reinforcing nutritional principals. Throughout the semester students will be expected to

practice culinary skills, demonstrate and apply their in-class learning through labs and project-based learning. Foods and Nutrition I is recommended for all other foods courses.

H4645 ADVANCED CULINARY ARTS

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Students who have passed Culinary Arts Foundation with a “C” or higher will experience a challenging yet appropriate placement in this course.

In this course, students will build upon knowledge and skills gained from Foods and Nutrition I. Foods and Nutrition II is designed to explore more advanced food preparation methods and advanced recipes. Students will demonstrate an application of their knowledge of safety and sanitation, which are aligned to industry standards. Students will participate in various school-based catering events, when appropriate. Advanced culinary skills will be gained through in-class work and reinforced through essential lab experiences.

H4656 BAKING AND PASTRY ARTS

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Students who have passed Culinary Arts Foundations with a recommended “C” or higher will experience a challenging yet appropriate placement in this course.

In this advanced foods course students will build upon skills learned in Culinary Arts Foundations. Students will prepare an array of desserts and baked goods including cakes, cookies, yeast breads, tortes, pastry doughs and chocolates. Students will learn the importance of plating and will use design skills to decorate cakes. The culminating project in this class will be a “Next Top Baker” competition, that will allow students to demonstrate the skills learned in this class.

H4657 ADVANCED BAKING AND PASTRY ARTS

Credit: 1/2 unit

Open to Grades: 10-12

Recommendation: Students who have passed Culinary Arts Foundations with a recommended “C” or higher will experience a challenging yet appropriate placement in this course.

In this advanced foods course students will build upon skills learned in Foods and Nutrition 1. Students will prepare an array of desserts and baked goods including cakes, cookies, yeast breads, tortes, pastry doughs and chocolates. Students will learn the importance of plating and will use design skills to decorate cakes. The culminating

project in this class will be a three tiered cake that will allow students to demonstrate the skills learned in this class.

Student leadership and entrepreneurial skills, and technical skills attainments are demonstrated through active engagement in Career and Technical Student Organizations (CTSOs) - Family, Career and Community Leaders of American (FCCLA). *Note: this course is counted towards credit totals for the Technical Honor Society.*

H4650 GLOBAL GOURMET

Credit: 1/2 unit

Open to grades: 11-12

Recommendation: Students who have passed Culinary Arts Foundations with a recommended "C" or higher will experience a challenging yet appropriate placement in this course.

Global Gourmet is a culinary tour throughout the United States and around the world. Students will explore the history, geography, language and culture of different regions through examining the foods indigenous to the area. Students will research the foods of a region or country, plan menus for typical meals, and participate in preparing authentic international foods. The students will be expected to sample the foods prepared.

H4760S1/H4760S2 FAMILY AND CONSUMER SCIENCES CAPSTONE

Credit: 1-2

Open to Grades: 12

Recommendation: Complete all courses within one career pathway earning an average of a "C" and obtaining instructor approval

The FACS Capstone course is a culminating experience designed to provide opportunities for career related experiences within a students' pathway of study. A minimum of three courses within one FACS pathway are required. The goal is to provide opportunities to begin their professional network and obtain professional experience within their chosen career pathway. This course will help provide a transition to a post secondary training/education or employment. A vital component of this course includes: professional employment experience, a mentor and capstone project and presentation.

Industrial Technology

All Industrial Technology courses will count for Practical Art credit. Students need 1.0 Practical Art credit to graduate. If a student has fulfilled the Practical Arts requirement, courses will count towards elective credits (7.5 required).

H5240S1 & H5240S2 INTRODUCTION TO ELECTRONIC TECHNOLOGY

Credit: 1 unit

Open to Grades: 9-12

This is an introductory course in which you can learn the basics of electronics. This course is highly recommended for all students who plan to major in an engineering field of study during college. Some of the areas you will learn are basic electronics, careers in electronics, and basic electronic circuits. You will use this information to conduct experiments and build electronic projects. Some of the projects you can build are: a three-channel light show that flashes colored lights to the music on your stereo or radio; and intercom, a switch that you touch, and it turns on a light; an electronic fish caller, strobe, a fuzz box for guitar distortion, LED flashers, and many others. One-third of the class is spent in the classroom, and the rest is in lab work. Student material fees apply.

H5260S1 & H5260S2 ADVANCED ELECTRONIC TECHNOLOGY

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Intro to Electronic Tech and Instructor approval

In this class, you will learn about power supplies, radio and stereo amplifiers, and oscillator circuits that cause electronic clocks to keep time. You will learn about basic digital circuits and controls used in computers. We will work with electronic switching and power control circuits. You will conduct some experiments and build projects incorporating the theories you learn. Some of the projects include a 4-channel light show that flashes lights to music, electronic dice, a stereo powered booster amp, exploding star with LED's and others. About one-third of the class will be spent in the classroom, and the rest will be working in the lab. Student material fees may apply.

Note: An application for an H grade may be requested for this course.

H5350S1 & H5350S2 INTRODUCTION TO ROBOTIC ENGINEERING

Credit: 1 Unit

Open to Grades: 9-12

This hands-on introductory Robotic Engineering course is designed to introduce the students to the field of robotics and computer programming. This class immerses the

student in real world science and technology challenges. Over the course of the year, students strategize, design, build, program (Robot C+) and test autonomous robots using LEGO MINDSTORMS®, TETRIX®, and other models. Heavy emphasis is placed on acquiring programming skills in relation to motors, servos and sensors. This course will provide the opportunity for students to explore careers in science, technology, engineering, arts and mathematics (STEAM). Students will also develop career and life skills including critical thinking, time management, collaboration and communication. Lab fee may apply. Students in Robotic Engineering are strongly encouraged to participate in the Statesmen Robotics Team and the FIRST® Tech Challenge.

H5357S1 & H5357S2 ADVANCED ROBOTIC ENGINEERING

Credit: 1 Unit

Open to Grades: 10-12

Recommendation: Introduction to Robotic Engineering

Advanced Robotic Engineering allows students to continue to explore mechanical systems, electronics and programming. Primarily a lab experience, this class provides students opportunities to design, build and program functional autonomous robots from a variety of professional platforms. Students will design machines that can navigate diverse environments, recognize other robots, and manipulate objects. Unlike robots utilized in the introductory class, all Advanced Robotics are expected to be totally autonomous, meaning they should solve the problem with no human intervention. The class also explores other STEAM topics, such as digital logic, branding and artificial intelligence. Students will also develop career and life skills including critical thinking, design, project management, teamwork, strategic thinking and Gracious Professionalism—a philosophy that encourages high-quality work, emphasizes the value of others, and respects individuals and the community. Lab fee may apply. Students are strongly encouraged to participate in the Statesmen Robotics Team and the FIRST® Robotics competition. Students may repeat this class.

H5335 MODERN AUTOMOTIVE MAINTENANCE

Credit: 1/2 unit

Open to Grades: 10-12

Limitations: No concurrent or previous automotive classes. You do not have to take this class to take Power Technology.

This is a co-educational course designed to introduce students to the basic operating principles and appropriate maintenance of the modern automobile. This course is designed for any student that anticipates owning an automobile. The major topics to be covered are engine operation, preventive maintenance, purchase of automotive products and how to buy a car. The student will complete the following activities on an automobile: how to change a flat tire, change oil, lubricate the chassis, jump start a car,

add/change antifreeze, and how to perform routine maintenance. Additional individual activities may also be completed during class based on student needs. Approximately 60 percent of the class time is devoted to lecture and discussion, while approximately 40 percent of the time will be spent in the lab. Students do not need a driver's license or currently have a car to participate in this class. A lab fee may apply.

H5300S1 & H5300S2 POWER TECHNOLOGY

Credit: 1 unit

Open to Grades: 10-12

Students do not have to take Modern Auto Maintenance before taking this course.

Power Technology is a beginning power and transportation course designed to introduce students to the basic operating principles of the internal combustion engine and the automobile. This course is the starting point for the hands-on learner. Students interested in the mechanical world, engineering, STEM, fabrication, power and energy as well as transportation are encouraged to take this course.. Each student will disassemble, clean, measure, machine, assemble and troubleshoot a one-cylinder engine. Students will perform preventive maintenance and make basic automotive repairs. Other topics to be covered include hydraulics, pneumatics, and alternative energy. The major lab experiences will include small engine overhaul, automotive maintenance, brake work, lubrication, tire demount/mount and balancing. All students will engage in occupational opportunities associated with the Power and Energy field as well as Modern Manufacturing. Approximately 40% of the class time is allotted for classroom presentation and discussion. The remainder of the class time is devoted to lab work. Student material fees may apply.

H5320S1 & H5320S2/H5340S1 & H5340S2 AUTOMOTIVE TECHNOLOGY/ADVANCED AUTOMOTIVE TECHNOLOGY

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Passing Grade in Power Technology

Auto Technology is a continuation of the skills and concepts mastered in Power Technology. A prior knowledge of facility safety as well as tool and equipment operation is required. Auto Technology is an in-depth study of automotive systems as well as automotive maintenance. This hands-on course is designed to provide the most possible hands-on experience in a lab setting for students interested in mechanics, engineering, STEM and manufacturing. This course will develop problem solving abilities through the proper use of lab equipment and provide occupational information for the college-bound student and the non-college bound student alike. Major shop activities include a complete engine overhaul and the servicing of automotive systems including starting/charging, fuel delivery, ignition, brakes, exhaust and emission

controls. Activities include identification, diagnosis, troubleshooting, repairs, estimating and billing. Students will be introduced to collision repair technology. Students will use basic techniques to repair collision damage. Activities include dent repair, frame clamping, pulling techniques, measuring, panel alignment, surface preparation, and refinishing. There is a heavy emphasis on technique and both personal and material safety. Students should also expect to engage in metal fabrication, processes and techniques used in a wide variety of occupational settings. Students will engage in basic ARC and MIG welding as well as the use of a plasma cutting machine. Basic metals fabrication allows students to explore their creative side. Approximately 30 percent of course time is allotted for classroom presentation and discussion. The remainder of class time is devoted to lab work. Student material fees may apply. *Note: An application for an H grade may be requested for this course.*

H5331 AUTO LAB - 1ST SEMESTER

Credit: 1/2 unit

Open to Grades: 11-12

Recommendation: Automotive Technology/can be taken concurrently with Automotive Technology

This is a first semester lab course designed to provide additional lab experience. Activities to be covered are diagnostic computer tests, simulated Missouri State Inspection, and problem-solving techniques common in the transportation field. Students will choose a long-term project from the fields of Automotive Maintenance, Collision Repair or Fabrication and Manufacturing. Student material fees may apply.

H5332 AUTO LAB - 2ND SEMESTER

Credit: 1/2 unit

Open to Grades: 11-12

Recommendation: Automotive Technology/can be taken concurrently with Automotive Technology

This is a second semester lab course designed to provide additional lab experience. Activities to be covered are diagnostic computer tests, simulated Missouri State Inspection, and problem-solving techniques common in the transportation field. Students will choose a long-term project from the fields of Automotive Maintenance, Collision Repair or Fabrication and Manufacturing. Student material fees may apply.

H5030 HOME MAINTENANCE

Credit: 1/2 unit

Open to Grades: 9-12

This one-semester course is designed to teach basic skills, techniques, and materials used in general and household repair. Areas to be covered are as follows: basic use of

hand tools, simple repairs, basic electrical wiring, identifying/troubleshooting systems in the home (plumbing, electrical, HVAC), exterior and interior maintenance, and use of power tools. In covering the above areas, one-fifth of the class will be spent learning skills, techniques, and principles in a typical classroom situation. The majority of the class will be used to construct projects using the skills and techniques learned in class. In-class projects include but are not limited to: wall frame construction, basic electrical installation and repairs, basic plumbing repairs, install/repair drywall, and install/repair asphalt roofing shingles. Most written work is completed during class time, very little work outside of class should be expected. Student lab/material fees may apply.

H5060S1 & H5060S2 WOODS AND CONSTRUCTION

Credit: 1 unit

Open to Grades: 9-12

Woods & Construction is a year-long beginning material and processes course designed to expose students to the skills pertaining to machine, hand tool, and material use in industry. Students will have the opportunity to learn in a hands-on setting about processes of design, construction principles, assembly, and evaluation found in production. Students interested in construction, engineering, STEM, fabrication as well as learning about new technologies being utilized are encouraged to take this course. Students will complete projects to reinforce concepts learned in the classroom. Some of the beginning projects students will complete include: end-grain cutting boards, bandsaw boxes, wall clocks, and one turning project on the lathe. After completion of the beginning project, students will choose their next project. The possibilities are endless. Approximately 75% of class time will be spent in the woods lab. Student material fees may apply.

H5080S1 & H5080S2 ADVANCED WOODS AND CONSTRUCTION

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Proficiency in Woods and Construction I

Advanced Woods & Construction continues the work of the preceding level and prior knowledge of machine and tool safety and operation is required. Advanced Woods & Construction is a year-long advanced material and processes course, allowing students to hone skills pertaining to machine, hand tool, and material use in industry. Students will have the opportunity to further develop their knowledge of principles of design, construction and assembly as well as evaluation in the manufacturing world. Students interested in construction, engineering, STEM, fabrication as well as learning about new technologies being utilized are encouraged to take this course. Additional topics covered in class are: industrial manufacturing, technology of tools, designing, decorative effects, diverse assembly methods, and quality control. Each student will design a

mass production project. The remainder of the projects and problem-solving activities will be the choice of the student with the instructor's approval. Approximately 85% of class time will be spent in the woods lab. Student material fees may apply.

H5110S1 & H5110S2 PLTW - INTRODUCTION TO ENGINEERING DESIGN

Credit: 1 unit

Open to Grades: 9-12

Introduction to Engineering Design (IED) focuses on developing problem-solving skills using a design development process that is used by engineers. IED is a hands-on class where students create models of product solutions, analyze them and communicate their solutions with presentations to the class. Much of the modeling is done with 3D modeling software.

H5125S1 & H5125S2 PLTW - CIVIL ENGINEERING AND ARCHITECTURE

Credit: 1 unit

Open to Grades: 10-12

Civil Engineering and Architecture (CEA) focuses on the fields of Civil Engineering and Architecture. The major focus of the course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn regarding architectural styles, affordable housing design, and commercial development to design and develop a property. Students work in teams, using state-of-the-art CAD software to solve real-world problems and communicate solutions to hands-on projects and activities.

H5115S1 & H5115S2 PLTW - ENVIRONMENTAL SUSTAINABILITY

Credit: 1 unit

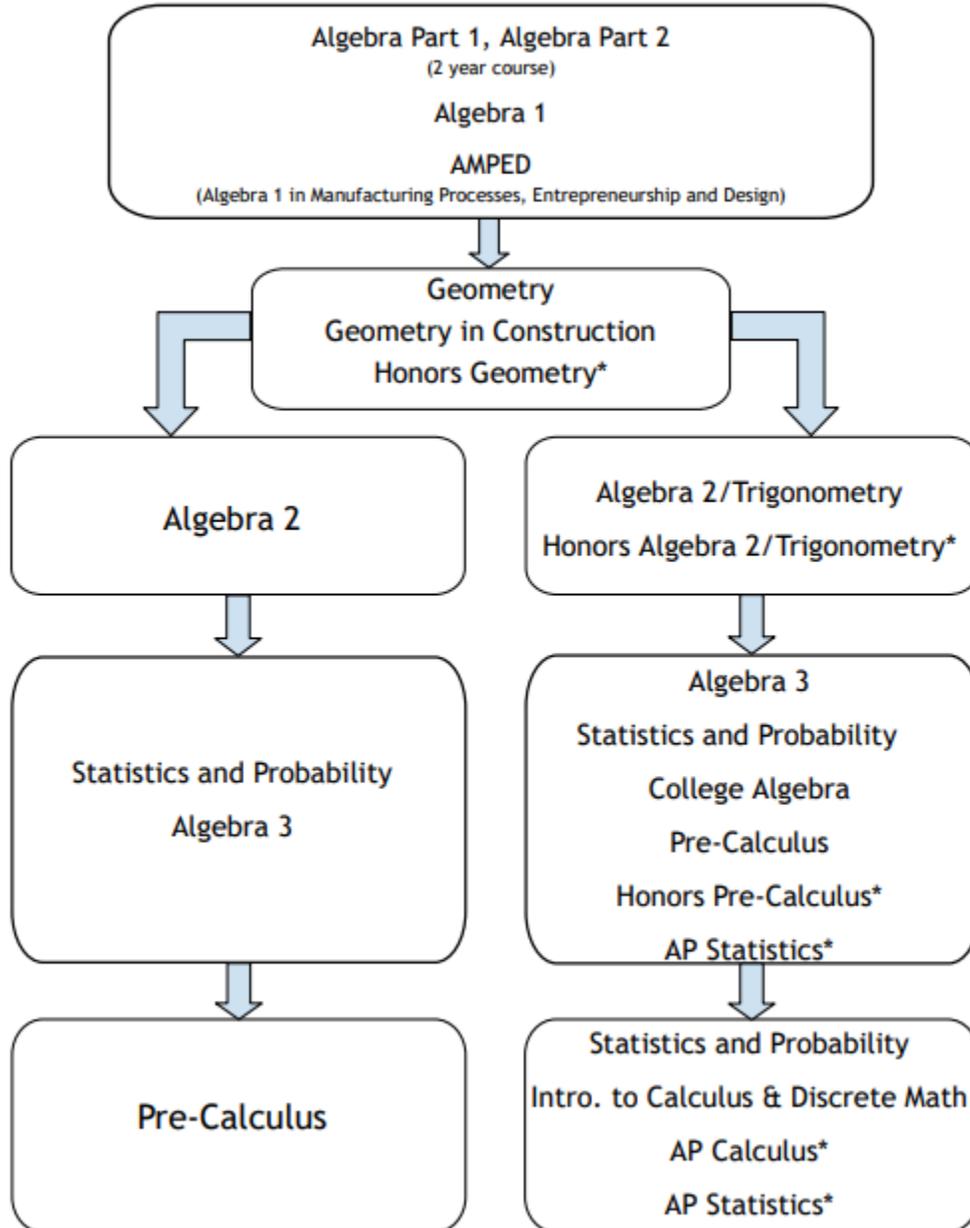
Open to Grades: 10-12

Environmental Sustainability (ES) is a high school-level specialization course in PLTW Engineering. In ES, students investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to research and design potential solutions. Utilizing the activity-, project-, problem-based (APB) teaching and learning pedagogy, students transition from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Math



Webster Groves School District Math Course Sequence



*denotes a weighted grade class

REGULAR SEQUENTIAL COURSES

Students must earn 3.0 Math credits to graduate from WGHS. Most four-year colleges require 3-4 credits for admission purposes.

H5523S1 & H5523S2 ALGEBRA 1-PART I

Credit: 1 unit

Open to Grades: 9-12

Enrollment recommendation based on 8th grade math proficiency

This is a year-long course which covers the curriculum that is contained in semester one of our Algebra course. Topics covered include solving multi-step equations and formulas, graphing functions, domain and range, linear functions, and rules of exponents.

H5524S1 & H5524S2 ALGEBRA 1-PART II

Credit: 1 unit

Open to Grades: 10-12

Recommendation: 1 credit of Algebra 1-Part I or ½ credit of Semester 1 of Algebra or with administrator approval

This is a year-long course which covers the curriculum that is contained in semester two of our Algebra course. Topics covered include solving inequalities (one and two variables), systems of linear equations and inequalities, quadratic functions with emphasis on factoring, and exponential functions.

H5660S1 & H5660S2 ALGEBRA

Credit: 1 unit

Open to Grades: 9-12

Enrollment recommendation based on 8th grade math proficiency

This is the beginning course in a sequence of college preparatory courses. Topics covered include solving formulas, graphing functions, analysis of linear functions, analysis of quadratic functions, analysis of basic exponential functions, solving inequalities, solving systems of equations and inequalities, and sequences.

H5600S1 & H5600S2 ALGEBRA IN MANUFACTURING PROCESS, ENTREPRENEURSHIP AND DESIGN (AMPED)

Credit: 2 units (1 credit in Math; 1 credit in Practical Arts)

Open to grades 9-12

Enrollment recommendation based on 8th grade math proficiency

This is a 2-hour block class that will earn an Algebra 1 and Practical Art credit. AMPED students will cover the Algebra 1 curriculum while operating a business running an

advanced fabrication lab customizing textile products and manufacturing other items composed of wood, metal, and/or plastic. The proceeds generated from the business aspect of the program will be utilized to self fund the venture and provide philanthropic opportunities for students through community service or monetary gifts to local charities. Students learn skill sets in various engineering techniques including sublimation, CNC operations, and rapid prototyping. Additional areas for student engagement include composite technologies, alternative energies, and automation robotics.

H5680S1 & H5680S2 GEOMETRY

Credit: 1 unit

Open to Grades: 9-12

Recommendation: 1 full credit of Algebra 1 or completion of Algebra 1-Part I and Part 2 or with administrative approval

This is the second course in a sequence of courses to prepare a student for college admission eligibility. In this course, students will have informal hands-on experiences which will deepen their understanding of the properties of shapes in two and three dimensions, and the application of those properties to real-world situations. In addition, they will use formal deductive reasoning to generalize and prove their discoveries. Topics covered include properties of a triangle, congruent triangles, properties of parallel lines, polygons, and introduction to logic and formal deductive proof. Similarity, properties of right triangles, polygons and circles, perimeter, area, and volume will also be studied.

H5690S1 & H5690S2 HONORS GEOMETRY

Credit: 1 unit

Open to Grades: 9-10

Recommendation: 1 full credit of Algebra 1 or with administrative approval. Students who have earned an "A" in both semesters of Algebra (in 8th or 9th grade) experience an appropriate yet challenging placement in this course.

This is the second course in a sequence of courses to prepare a student for college admission eligibility and leading toward Advanced Placement Calculus. In this course, a student acquires knowledge of geometric objects in two and three dimensions and an opportunity to apply this knowledge to discovering relations among geometric objects. There will be heavy emphasis on mathematical proofs as well as an introduction to other geometric topics such as transformational geometry. *Note: This counts as a weighted grade.*

H5682S1 & H5682S2 GEOMETRY IN CONSTRUCTION *(pending board approval)*

Credit: 1 Math + 1 CTE Practical Arts Credit H5100S1 & H5100S2

Grade level: 10-11

Geometry in Construction is a two-hour block class that delivers the full content of a traditional Geometry course while integrating hands-on construction experiences. Students earn both a Geometry (Math) credit and a Practical Arts credit as they apply algebraic and geometric concepts to real-world problem-solving. Topics include two- and three-dimensional shapes, congruence, similarity, right triangles, circles, perimeter, area, volume, transformations, trigonometry, and logic. Team-taught with a Building Trades instructor, the course engages students in construction projects where they develop practical skills in tool use, safety, and applied mathematics. No prior construction experience is required.

H5695S1 & H5695S2 ALGEBRA 2

Credit: 1 unit

Open to Grades: 10-12

Recommendation: 1 full credit of Algebra 1 and 1 full credit of Geometry or with administrative approval

This is the third course in a sequence of courses to prepare a student for college admission eligibility. Unlike Algebra 2/Trigonometry, this course does not include the topic of trigonometry, allowing for more time to strengthen and extend the algebraic skills begun in the Algebra 1 course and continuing a study of more advanced algebraic skills and applications.

H5700S1 & H5700S2 ALGEBRA 2-TRIGONOMETRY

Credit: 1 unit

Open to Grades: 10-12

Recommendation: 1 full credit of Algebra 1 and 1 full credit of Geometry or with administrative approval. Students who have earned a “C” or above in Algebra and Geometry experience an appropriate yet challenging placement in this course.

This is the third course in a sequence of courses to prepare a student for college admission eligibility. It is also the first course in the sequence which requires average or above proficiency in the previous two courses. The student strengthens and extends the algebraic skills begun in the Algebra 1 course and continues a study of more advanced algebraic skills and applications. This course includes the topic of trigonometry.

H5710S1 & H5710S2 HONORS ALGEBRA 2-TRIGONOMETRY

Credit: 1 unit

Open to Grades: 9-11

Recommendation: 1 full credit of Algebra 1 and 1 full credit of Geometry or with administrative approval. Students who have earned a grade of “B” or better in both semesters of Honors Geometry or an “A” in both semesters of regular Geometry and

Algebra 1 experience an appropriate yet challenging placement in this course.

This is the third course in a sequence of courses to prepare a student for college admission eligibility and leading toward Advanced Placement Calculus. The student strengthens and extends the algebraic skills begun in Algebra 1 and develops more advanced algebraic skills and applications. Also, trigonometry will be studied. *Note: This course will count as a weighted grade.*

H5715S1 & H5715S2 ALGEBRA III

Credit: 1 unit

Open to Grades: 11-12

Recommendation: 1 full credit of Algebra 2 or Algebra 2-Trigonometry or with administrative approval

This course is designed for students who earn credit for two semesters of Algebra 2 or Algebra 2-Trigonometry. Placement is based on a teacher recommendation. It is designed to prepare students to take Pre-calculus at Webster Groves High School or to take College Algebra in a post-secondary setting. Topics include linear functions, exponential functions, logarithmic functions, polynomial functions, rational functions, and systems of equations.

5720 PRE-CALCULUS

Credit: 1 unit

Open to Grades: 11-12

Recommendation: 1 full credit of Algebra 2-Trigonometry or Honors Algebra 2-Trigonometry or with administrative approval. Students who have earned a "B" or above in both semesters of Algebra 2-Trigonometry experience an appropriate yet challenging placement in this course.

This is the fourth course in a sequence of courses to prepare a student for college admission eligibility and enrollment in a calculus course. The student will continue to strengthen and extend the algebraic skills developed in previous courses. In addition, students will extend their knowledge of trigonometry. Application problems are emphasized and a graphing calculator is used daily.

H5730S1 & H5730S2 HONORS PRE-CALCULUS

Credit: 1 unit

Open to Grades: 10-12

Recommendation: 1 full credit of Algebra 2-Trigonometry or Honors Algebra 2-Trigonometry or with administrative approval. Students who have earned a grade of "B" or better in both semesters of Honors Algebra 2-Trigonometry or an "A" in both semesters of Algebra 2-Trigonometry experience an appropriate yet challenging placement in this course

This course is the fourth in a sequence of courses preparing for college admission eligibility and leading toward AP Calculus. Through an intensive study of functions and their graphs, many of the important concepts of calculus are foreshadowed. Students will extend their knowledge of trigonometry and the algebraic concepts needed for the study of calculus. Real world applications of mathematics are emphasized and a graphing calculator is used daily. *Note: This course will count as a weighted grade.*

H5800S1 & H5800S2 ACC COLLEGE ALGEBRA

Credit: 1 unit

Open to Grades: 11-12

Recommendation: 1 full credit of Algebra 2-Trigonometry or Pre-Calculus or with administrative approval. Students who have earned a grade of “A” or better in both semesters of Algebra 2-Trigonometry or a “B” or better in Pre-Calculus experience an appropriate yet challenging placement in this course

This is a college level algebra course with dual credit offered through University of Missouri – St. Louis. It is designed for students who will need College Algebra credit in a post-secondary setting. The course includes linear, quadratic, and rational equations and inequalities, the algebra of functions (including polynomial, rational, exponential, and logarithmic functions), the graphs of some of these functions, and systems of equations. *Note: This course will count as a weighted grade.*

H5830S1 & H5830S2 INTRODUCTION TO CALCULUS & DISCRETE MATHEMATICS

Credit: 1 unit

Open to Grades: 11-12

Recommendation: 1 full credit of Pre-Calculus or with administrative approval

This course extends the topics covered in Pre-Calculus. In addition to more fully developing pre-calculus concepts, students will study topics in discrete mathematics including logic, combinations, recursion, and circuits. Beginning concepts in calculus will also be addressed.

H5840S1 & H5840S2 AP/ACC CALCULUS

Credit: 1 unit

Open to Grades: 11-12

Recommendation: 1 full credit of Pre-Calculus or with administrative approval. Students who have earned a grade of “B” or better in both semesters of Honors Pre-calculus or an “A” in both semesters of Pre-Calculus experience an appropriate yet challenging placement in this course.

The content of this course is recommended in a College Entrance Examination Board publication, *Advanced Placement Mathematics*. Successful completion of this course prepares a student to pass the Calculus AP College Entrance Examination Board

Advanced Placement Mathematics examination. The student has the option of concurrent enrollment at the University of Missouri-St. Louis (a fee must be paid to UMSL) whereby that student will receive five calculus credits from UMSL. The student is expected to assume considerable responsibility in deciding what he/she must do outside of class to master the ideas dealt with in the course. The textbook used in the course is a book which achieves a balance in emphasis upon the calculus ideas themselves and the application of these ideas. *Note: This course will count as a weighted grade, and college credit may be earned from UMSL.*

H55300S1 & H5530S2 STATISTICS AND PROBABILITY

Credit: 1 Unit

Open to Grades: 10-12

Recommendation: 1 full credit of Algebra 2 or Algebra 2 -Trigonometry or with administrative approval. Students who have successfully completed Algebra 2 or Algebra 2 -Trigonometry experience an appropriate yet challenging placement in this course. For students going into their senior year, this class is a good alternative to Pre-Calculus or College Algebra.

This is an introductory course in statistics designed to provide students with the basic concepts of data analysis and statistical computing. This course is designed to develop students' ability to analyze and interpret various types of data, as well as, provide them with pragmatic tools for assessing statistical claims and conducting their own statistical analyses. Topics covered include basic descriptive measures, measures of association, probability theory, confidence intervals, and hypothesis testing.

H5531S1 & H5531S2 AP STATISTICS

Credit: 1 Unit

Open to Grades: 10-12

Recommendation: 1 full credit of Precalculus or Honors Algebra 2-Trigonometry or with administrative approval

The full year AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. Students have the potential to earn college credit by taking the AP exam in May. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, and problem-solving as they build conceptual understanding. *Note: This course counts as a weighted grade.*

SPECIAL PROGRAMS-MATH

H9420S1 & H9420S2 MATH DEPARTMENT STUDENT INTERN

Credit: ½ elective unit

Open to Grades: 11-12

**Requires the permission of the teacher to which student will be assigned and the permission of the department chair.*

Students will be assigned to one math teacher but will work closely with the entire Mathematics Department. Each student will assist teachers in creating and teaching lessons, working with small groups of students, and tutoring individual students. The ideal candidate enjoys explaining mathematics and is interested in pursuing a career as a Mathematics teacher. This is not a math credit.

H0170S1 & H0170S2 ALGEBRA SUPPORT

Credit: 1 elective

Enrollment: based on assessment data and teacher or counselor recommendation

Algebra support provides students who have traditionally struggled in math with additional assistance in algebraic concepts. The course follows the Algebra 1 curriculum and provides additional reteaching opportunities to help fill in any learning gaps and improve student academic performance.

H0172S1 & H0172S2 GEOMETRY SUPPORT

Credit: 1 elective

Enrollment: based on assessment data and teacher or counselor recommendation

Geometry support provides students who have traditionally struggled in math with additional assistance in geometric concepts. The course follows the Geometry curriculum and provides additional reteaching opportunities to help fill in any learning gaps and improve student academic performance.

Music

All Music courses will count for Fine Art credit. Students need 1.0 Fine Art credit to graduate.

CHOIRS

H6034S1 & H6034S2 MIXED CHOIR

Credit: 1 unit

Open to Grades: 9-12

Mixed Choir is a non-auditioned beginning vocal ensemble available to freshmen, sophomores, juniors, and seniors. Students will study and perform a wide variety of choral repertoire from multiple musical time periods throughout the year. Special emphasis will be placed on music literacy, vocal production, and ensemble sound. Instruction will also include the places of dynamic balance and the structures and movements of breathing. Participation in 4 evening concerts throughout the year is mandatory. Mixed Choir may also participate in after-school rehearsals, choral festivals, contests, trips, and other community performances. This choir is for students that have never taken choir at Webster Groves High School and would like to gain experience learning voice and singing with others.

H6040S1 & H6040S2 CONCERT CHOIR

Credit: 1 unit

Open to Grades: 10-12

Recommendation: 1 year of Mixed Choir, Audition Placement

Concert Choir is an auditioned vocal ensemble available to sophomores, juniors, and seniors. Students will study and perform a wide variety of advanced choral repertoire from multiple musical time periods throughout the year. Students will continue to develop advanced skills in sight-reading, vocal technique, body awareness, and ensemble sound. Participation in 4 evening concerts throughout the year is mandatory. Concert Choir may also participate in after-school rehearsals, choral festivals, contests, trips, and other community performances.

H6010S1 & H6010S2 CHAMBER CHOIR

Credit: 1 unit

Open to Grades: 10-12

Recommendation: 1 year of Mixed or Concert Choir

Chamber Choir is an auditioned vocal ensemble available to sophomores, juniors, and

seniors. Students will study and perform a wide variety of advanced choral repertoire from multiple musical time periods throughout the year, focusing primarily on a cappella literature. Students will continue to develop advanced skills in sight-reading, performance practice, vocal pedagogy, body awareness, and ensemble sound. Participation in 4 evening concerts throughout the year is mandatory. Students in Chamber Choir are required to audition for the SLSMEA All-Suburban Honor Choir. Chamber Choir may also participate in after-school rehearsals, choral festivals, contests, trips, and other community performances. *Note: An application for an Honors grade may be requested in this course.*

STATESMEN BANDS

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Audition

Band is a year-long course which provides serious musicians a wide variety of musical opportunities.

FALL

H6065S1 & H6065S2 BAND

The major focus of the early part of this semester will be marching band, in addition to gaining valuable musical concepts, experiences and marching fundamentals, will be on teamwork and a cooperative atmosphere. However, students will also meet in concert band ensembles, too. Band members are expected to attend all scheduled rehearsals and performances. Performances will include two summer parades, home and playoff football games, two fall parades and additional community performances. There will be a mandatory summer band camp in late July/ early August. Students will prepare a December concert band performance, as well. The previous spring, all band students will audition for placement in either Wind Symphony or Symphonic Band (second nine weeks and spring—placement following auditions).

AND

SPRING

H6055S1 & H6055S2 WIND SYMPHONY

The Wind Symphony is a select group of students who demonstrate exemplary musicianship. Students are expected to attend all scheduled rehearsals, concerts, and contests. Grades are earned through attendance, individual performance requirements, and a semester exam. Annual performances will include the Winter Concert, State

MSHSAA Contest, Spring Concert, and commencement. Students may also audition for the SLSMEA Honor Bands and Solo/Ensemble contest. *Note: An application for an Honors grade may be requested in this course.*

OR

H6056S1 & H6056S2 SYMPHONIC BAND

The Symphonic Band is composed of students who have demonstrated a high standard of musicianship. Members are expected to attend all regular rehearsals, concerts, and contests scheduled in the spring semester. The Symphonic Band performs at the Winter Concert and Spring Concert. A select group will perform at the Large Ensemble Contest. Students may also audition for the SLSMEA Honor Bands and Solo/Ensemble Festival.

H6080S1 & H6080S2 JAZZ BANDS

Credit: Jazz I - 1/2 unit; All others - 1/4 unit per year

Open to Grades: 9-12

Recommendation: Audition

Jazz band students are members of the band program at Webster Groves High School. Jazz Band is a year-long course. Participation in the Jazz Bands is by audition only. Jazz I auditions will be held in August, and Jazz II auditions will take place in September. All members (except guitarists, pianists, and bassists) must be enrolled in 6050 Band or 6060. Students will receive a letter grade in this course.

ORCHESTRAS

There is a uniform requirement for the WGHS Orchestra Program, and uniforms are the responsibility of the student. We commit to working with students and families to assist if needed. Fundraising opportunities will be discussed in class.

H6053S1 & H6053S2 CONCERT ORCHESTRA

Credit: 1 unit

Open to Grades: 9-12

Recommendation: 1-2 years of playing experience, no audition

This course is a non-audition ensemble designed to acclimate orchestra students to the WGHS Orchestra Program. Students will study shifting, posture, bow techniques, and vibrato, as well as continuing to learn literature from a variety of composers and styles. This course will give at least three concerts throughout the year.

H6075S1 & H6075S2 SYMPHONIC ORCHESTRA

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Audition required

The Symphonic Orchestra is an auditioned performing ensemble that focuses on advancing each student's string technique, including shifting to higher positions, vibrato, and advanced bowing techniques, while emphasizing the importance of group performance. By observing and listening to others, students will develop their analysis and critical thinking skills. This class will perform music intermediate literature from a variety of historical periods, as well as studying music theory. Members are expected to attend all rehearsals, concerts, festivals, and contests.

H6052S1 & H6052S2 SILVER STRINGS

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Audition required

This advanced orchestra is for students who are seriously committed to the art of music practice and performance. This class involves the study, rehearsal, and performance of higher level music literature from all historical periods. Students will study higher positions, performance refinement, and advanced bowing techniques. Members are expected to attend all performances and private lessons are encouraged. Students are also encouraged to audition for honor orchestras on the local, state and/or national level. Students also should participate in district solo and ensemble contests. *Note: An application for an Honors grade may be requested in this course.*

H6059S1 & H6059S2 STATESMEN STRING ENSEMBLE

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Audition required

This advanced orchestra is for students who are seriously committed to the art of music practice and performance and planning on continuing their orchestra experience beyond high school. This class involves the study, rehearsal, and performance of complex music literature from all historical periods. Members are expected to attend all performances. This group is open to strings students admittance into the ensemble is by audition only. Students are also required to audition for honor orchestra on the local, state and/or national level. Students are also required to perform in district solo and ensemble contest. There are some outside of school rehearsals that may be required. *Note: An application for an Honors grade may be requested in this course.*

OTHER MUSIC CLASSES

H6125 CLASS PIANO I

Credit: 1/2 unit

Open to Grades: 9-12

This semester course is designed for beginners in keyboard music but students at more advanced levels are welcome. Ninety percent of class time is "hands-on" training at individual digital pianos. A basic method book is used, but students have choices in supplementary music. Activities include written work in music theory, solo performances and experience in playing ensemble music. Students will also be introduced to the use of technology in the field by working with current software.

H6145 CLASS PIANO II

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Class Piano I or instructor's permission

This semester course is a continuation of lessons begun in Class Piano I. Students will work on an individualized course of study and will extend their study of music theory. Music history will be investigated, with an emphasis on the evolution of keyboard music. *Students may enroll in the class by audition, if they have not taken Class Piano I.*

H6160 CLASS GUITAR I

Credit: 1/2 unit

Open to Grades: 9-12

Guitar I is designed for beginning guitar students and is not recommended for students who are studying guitar privately. Students will learn to play chordal accompaniments and solo arrangements which incorporate both melody and chords. Students will learn standard musical symbols as they apply to guitar.

H6180 CLASS GUITAR II

Credit: 1/2 unit

Open to Grades: 9-12

Recommendation: Class Guitar I or instructor approval

Guitar II is a continuation of Guitar I with more emphasis on ensemble playing. The music studied will contain more advanced chords, melodies, rhythms, and strumming patterns. *Note: Students who have studied guitar elsewhere may be admitted only with instructor's approval after a successful audition.*

H6200 MUSIC THEORY I (*offered in Spring of even numbered years*)

Credit: 1/2 unit

Open to Grades: 10-12

Recommendation: 1 year of band, choir, orchestra, piano or guitar. Preferred proficient in reading music notation.

This course is available to students who have an above average background in music, or plan to pursue a music major or minor in college. The course will include an in-depth study of the elements of music such as scales, intervals, harmonic construction, rhythm, meter and ear training. *Note: An application for an Honors grade may be requested in this course.*

H6225 AP MUSIC THEORY

Credit: 1/2 unit

Open to Grades: 10-12

Recommendation: Music Theory I (only offered in the spring of even numbered years)

A continuation of Music Theory I, AP Music Theory will emphasize analysis and composition with continued work in ear training and sight singing. This course is designed for music students planning to major or minor in some form of music. The ultimate goal of the course is to prepare students to take the AP Theory exam that is offered toward the end of the year. Students who pass may earn college credit at a number of colleges and universities. While not all students will likely attain this level of success, the instruction and practice in this course will serve to greatly enhance and improve a student's ability to recognize, understand, analyze, and describe the aspects and processes of music that is heard or seen on a score. Students will engage in a variety of written, singing, and compositional exercises that teach them the many aspects of musical composition and analysis. It is strongly recommended that students take Music Theory 1 and AP Music Theory consecutively. *Note: An application for an Honors grade may be requested in this course.*

H6049 MUSIC ENGINEERING

Credit: 1/2 unit

Open to Grades: 9-12

Create, produce, perform! Students will learn how to manipulate music by creating medley mixes, music re-arranging, and exploring the digital world of music. Digital audio and MIDI will be used and incorporated to create music files. Students will learn basic concepts on making beats and music patterns to be used in music production.

Physical Education & Health

Students must earn 1.50 PE/Health credits to graduate from WGHS. Of those, .50 credit must be in Health. All PE & Health classes are Co-Ed.

PHYSICAL EDUCATION CLASSES

Students may only take one PE class per semester.

H6535S1 & H6535S2 PHYSICAL EDUCATION 9-10

Credit: 1/2 unit

Open to Grades: 9-10

The course offers a variety of activities over the course of a semester. Individual as well as team activities will be covered. Possible activities that may be offered are basketball, flag football, soccer, softball, team handball, ultimate Frisbee, volleyball, and net games. The Physical Fitness Test will be administered in this class.

H6525S1 & H6525S2 PHYSICAL EDUCATION 11-12

Credit: 1/2 unit

Open to Grades: 11-12

The course is designed for 11th and 12th grade students to cover the *more advanced skills and rules* used in competition in the various sports offered in our extracurricular program. Team strategy and practical application of all rules will also be covered. Possible activities that may be offered are: basketball, flag football, badminton, soccer, softball, team handball, tennis, ultimate Frisbee, volleyball, rock climbing, orienteering, and geocaching. The Physical Fitness Test will be administered in this class.

H6611S1 & H6611S2 WEIGHT TRAINING 9-10

Credit: 1/2 unit

Open to Grades: 9-10

This course is designed to offer specific instruction on muscular development and increased body flexibility. Students who choose this course must be prepared to participate in a daily exercise program, circuit training, and a daily running regimen. Class size is limited. The Physical Fitness Test will be administered in this class.

H6613S1 & H6613S2 WEIGHT TRAINING 11-12

Credit: 1/2 unit

Open to Grades: 11-12

This course is designed to offer specific instruction on muscular development and increased body flexibility. Students who choose this course must be prepared to

participate in a daily exercise program, circuit training, and a daily running regimen. Since much of the assigned activity will be individualized to meet the students' needs, the class size is limited. The Physical Fitness Test will be administered in this class.

Note: Weight Training may be repeated for additional credit.

H6860S1 & H6860S2 KINETIC WELLNESS

Credit: ½ unit

Open to Grades: 9-12

This class is designed to use and try different means of stress management, reduction, and coping mechanisms. There is a movement base to it including multiple opportunities and ways to find a movement or exercise that can help minimize the consequences stress can have on the body. There are also other ways to explore what works best for you, as a student, to add in healthy behaviors, habits, and actions to reap the physiological benefits of stress management. The goal of this class is to enhance total wellness using physical activity and other activities that have been proven to contribute to overall wellness. There will be an emphasis on self-exploration and trial and error when approaching the content in the course.

H6840S1 & H6840S2 PERSONAL FITNESS

Credit: ½ unit

Open to Grades: 9-12

Personal Fitness is a class designed to challenge and grow each student in their own individual fitness level. Students will be given the tools and knowledge to assist in managing a fitness-based healthy lifestyle outside of typical sports and recreational play. Students will focus on the 4 Fitness Components (Cardiovascular, Muscular Strength, Muscular Endurance, and Flexibility), as well as setting goals to achieve personal fitness outcomes of their choice. Students should be prepared to challenge themselves in a variety of areas to seek health, confidence, and accomplishment.

H6805 INTRODUCTION TO DANCE & FITNESS

Credit: ½ unit

Open to Grades: 9-12

This course will be an introduction to several types of dance and specialized movement training. This course is an introduction and survey of a variety of dance forms and its benefits to your overall health. Activities include yoga, barre, ballet, jazz, social dances, hip hop, zumba, and cultural dance. Students will experience dance through participation exercises, performances, and research. Students will cultivate dance as a visual performing artform that benefits social, emotional, and physical health.

H6825S1 & H6825S2 LIFETIME FITNESS

Credit: 1/2 unit

Open to Grades: 9-12

This class will provide high school students of all abilities and interests with the skills they need to achieve lifetime fitness by exploring diverse fitness topics. Topics will include safe exercise and injury prevention, team sports and team-building, stress management, and cooperatively learning lifelong fitness activities. Students will set realistic individual fitness goals based on their current fitness levels. Students will understand the importance of physical fitness for all ages and abilities and participate in team building exercises. Students will recognize common exercise-related physical injuries, and list guidelines for preventing injuries during physical activity. Students will identify individual and team sports that achieve health-related fitness goals both inside and outside of school. Students will be able to describe how people react to stress physically, emotionally, and behaviorally. Activities include rock climbing, aerobics, flexibility and relaxation training, geocaching, pickleball, badminton, backpacking, injury prevention, golf, volleyball, ultimate frisbee, and soccer.

H6715S1 & H6715S2 ADVANCED WEIGHT TRAINING

Credit: 1/2 unit

Recommendation: Weight Training

Open to Grades: 10-12

In this course, students will develop skills and learn the latest techniques in strength training and athletic conditioning. Students will spend a significant amount of time in the weight room perfecting techniques on such exercises as bench press, power clean, squat, and others designed to make the student a better athlete. Students will also spend an extended amount of time outside the weight room working on plyometrics, sprinting techniques, distance running, and agility. Students will be expected to demonstrate a high level of muscular strength and endurance, cardiovascular fitness, and flexibility. This course is intense; it should not be taken by students who are simply wanting to fulfill the graduation requirement. Students will be expected to complete agility tests. This is a co-ed class. *Note: Advanced Weight Training may be repeated for the additional credit.*

HEALTH AND ATHLETIC TRAINING CLASSES

H6500 HEALTH AND FAMILY EDUCATION

Credit: 1/2 unit

Open to Grades: 9-12

Health is a one-semester class that is required of all WGHS students for graduation. The course can be thought of as a life management class in that an emphasis will be placed on how decisions, actions, and lifestyle choices during teen years can affect a

person's adult life. Topics to be covered include basic anatomy and understanding of body systems, physical fitness, nutrition; tobacco, alcohol, and other drugs including vaping; disease prevention and control, including STDs and HIV; healthy relationships, including family, dating, and peer relationships; first aid and CPR training; and stress management, mental health information, and even study skills. The CPR training in this class will satisfy a Missouri graduation requirement. **Note: This course is required for graduation.**

H6855 INTRODUCTION TO ATHLETIC TRAINING

Credit: 1/2 unit

Recommendation: Students who have earned a C or higher in Health have experienced an appropriate yet challenging placement in this course.

Open to Grades: 10-12

Introduction to Athletic Training is a one-semester course open to sophomores, juniors, and seniors interested in allied health professions, specifically athletic training, coaching, or their personal health while being physically active. This course will provide class work and practical hands-on application in the following areas: evaluation of sports injuries; prevention, treatment, and rehabilitation of sports injuries; taping and wrapping of injuries; first aid and CPR; emergency procedures; medical terminology; anatomy and physiology; fitness conditioning and strength programs; and sports medicine careers. Opportunities to earn Honors grades are given each semester. *Note: This course counts as an elective physical education credit only and does not meet any physical education requirements needed for graduation. Outside participation will be required for this course.*

H6856 ADVANCED ATHLETIC TRAINING

Recommendation: Introduction to Athletic Training

Open to Grades: 10-12

Advanced Athletic Training is a one-semester course open to Sophomores, Juniors, and Seniors interested in a future career in an allied health profession, specifically athletic training, physical therapy, and sports medicine. The purpose of this course is to build on previous knowledge and apply advanced class work to practical hands-on application in athletic training. This class is designed to provide advanced study for students who are highly motivated to discuss and evaluate sports injuries and learn how to prevent, treat, and rehabilitate sports injuries. Students interested in this course will work closely with the WGHS athletic teams and will have a future advantage when applying to an accredited athletic training college program. Opportunities to earn Honors grades are given each semester. *Note: This course counts as an elective physical education credit only and does not meet any physical education requirements needed for graduation. Outside participation will be required for this course.*

H6853S1 & H6853S2 ATHLETIC TRAINING INTERNSHIP

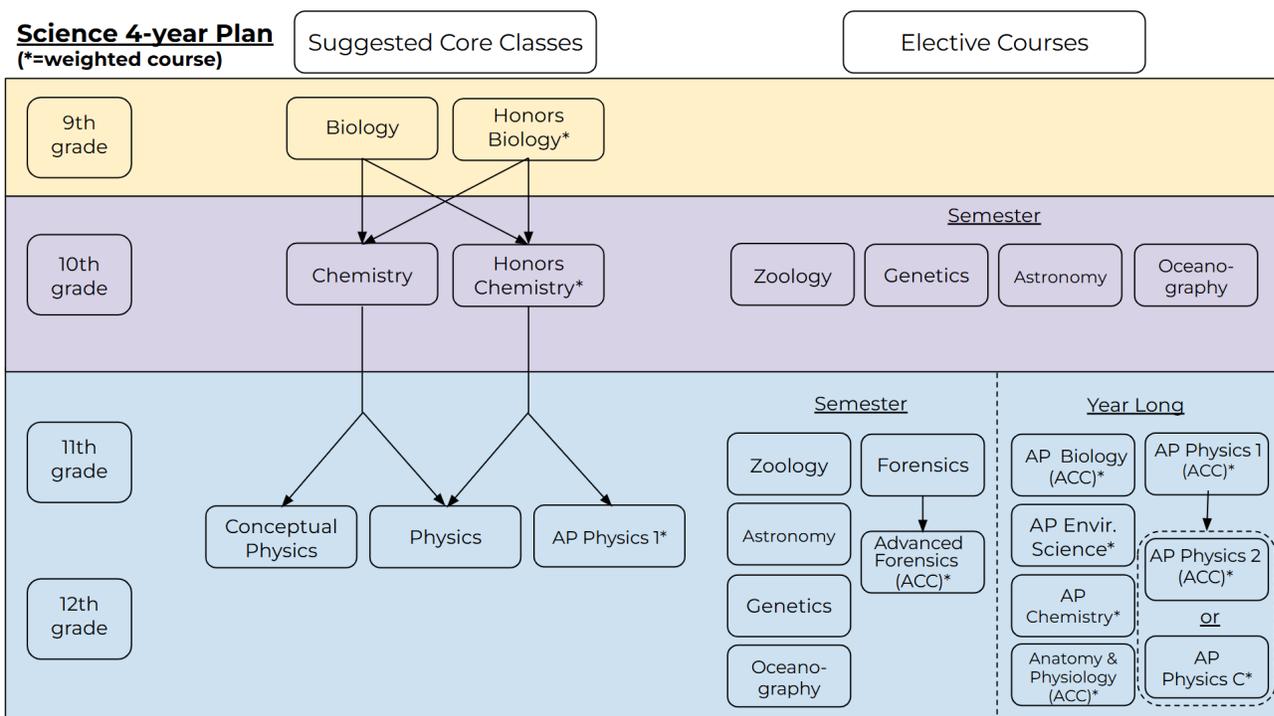
Recommendation: Approval of WGHS Athletic Trainer

Open to Grades: 11-12

The AT Internship is a semester-long experiential learning course designed to provide individual learning and growth involving a future career in medicine. The internship is guided by practical hours, reflective assignments, and a major project based on the student's interests. All internships must be approved in advance.

Science

Science 4-year Plan (*=weighted course)



BIOLOGICAL SCIENCES

YEAR-LONG COURSES

H7040S1 & H7040S2 BIOLOGY

Credit: 1 unit

Open to Grades: 9-12

Biology is an entry level course in science, introducing living things through a biochemical, cellular, and ecological approach. This course deals with the formation, functions, and interactions of living entities and their environment. Laboratory experiments and varied classroom activities help students understand and apply current concepts.

H7060S1 & H7060S2 HONORS BIOLOGY

Credit: 1 unit

Open to Grades: 9-12

Honors Biology is an accelerated program, stressing the same concepts as Biology 7040, but moving at a faster pace and covering topics with more depth. Both Biology and Honors Biology are lab courses—the difference is in the amount of content

covered, homework, and the pace of the class. *Note: This course will count as a weighted grade.*

H7065S1 & H7065S2 AP BIOLOGY (ACC)

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Students who earned an A in Biology and a B or above in Chemistry will experience an appropriate yet challenging placement in this course.

This college level course builds on Biology and Chemistry concepts to go in depth on a wide range of Biology topics, including but not limited to chemical reactions of photosynthesis and respiration, ratio and math calculations in populations and genetic frequency, DNA, mutations, stem cells, gene editing, and the biochemistry of certain organ systems involved in homeostasis. Labs are a required aspect of the class, enhancing key concepts for better understanding. Enrolled students will be encouraged to take the corresponding AP exam in May. *Note: This course will count as a weighted grade.*

H7143S1 & H7143S2 HUMAN ANATOMY AND PHYSIOLOGY (ACC)

Credit: 1 unit

Open to Grades: 11-12

Human Anatomy and Physiology is an advanced course designed to deepen students' understanding of the human body. Building on foundational knowledge from previous courses, this class explores the complex interactions of human body systems. Through a combination of lectures, hands-on labs, and interactive activities, students will investigate how these systems contribute to overall health and homeostasis. Emphasis will be placed on the integration of anatomical structure with physiological function, equipping students with a comprehensive understanding essential for careers in health sciences and related fields. *Note: This course will count as a weighted grade.*

H70822S1 & H70822S2 AP ENVIRONMENTAL SCIENCE

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Completion of biology and chemistry, completion of algebra.

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Topics include: geology, biology, environmental studies, environmental science, chemistry, and geography. *Note: This course will count as a weighted grade.*

SEMESTER COURSES

H7083 ZOOLOGY (previously ANIMAL BEHAVIOR)

Credit: ½ unit

Open to Grades: 10-12

Recommendation: Completion of Biology or Honors Biology

In this course you will be using the power of intrigue of science to explore and understand animal behavior. Animal behavior has the potential to be very important in our lives. We depend upon animals in many ways but so few of us understand them on their own terms. In this course we will use methods of animal behaviorists and a variety of other activities to try to understand why animals do what they do. Topics studies include: Field Methods, Genetics of Behavior, How the Nervous & Endocrine System Affect Behavior, Animal Communication, Animal Aggression, Reproduction and Learning. Live organisms are used for study purposes and field experience allows the students to perform a sample ethogram (animal behavior profile). One field trip to the St. Louis Zoo is included.

H7088 GENETICS

Credit: ½ unit

Open to Grades: 10-12

Recommendation: Completion of Biology or Honors Biology . Students who have earned a grade of “B” or better in Biology experience an appropriate yet challenging placement in this course.

Genetics builds on the student’s skills which were acquired in their freshman biology course. This course will review basic and advanced genetic concepts, stem cells, cancer, genetic and chromosomal diseases, and genetic technology like CRISPR. There is a strong focus on learning real life applications, as well as having discussions on ethics in science. The course final is a presentation of a genetic disease. Honors option is available.

H7069 OCEANOGRAPHY

Credit: ½ unit

Open to grades: 10-12

Recommendation: Students who have earned a grade of “C” or better in Biology and Chemistry will experience an appropriate yet challenging placement in this course. May take concurrently with Physics or other science course

This course will provide an introduction to the study of the ocean’s basic composition, physical movement, interaction of land and ocean in coastal environments, and marine biology and ocean resources. Students will understand the formation of the oceans, the

chemical and physical processes the oceans undergo, why organisms live in their environments, and how humans interact and impact these different environments.

PHYSICAL SCIENCES

YEAR-LONG COURSES

H7100S1 & H7100S2 CHEMISTRY

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Completion of or concurrent enrollment in Algebra

This course provides students with a basic understanding of the principles of chemistry. Emphasis is placed on everyday applications of these principles and concepts. Some math will be used but will not be the focus of development of principles or concepts. Topics include: physical and chemical properties of matter, atomic structure, chemical bonding, chemical reactions, chemical quantities, acids and bases, Kinetic Molecular Theory, and the gas laws. Students may wish to follow this course with Honors Chemistry if a more rigorous approach is desired.

H7120S1 & H7120S2 HONORS CHEMISTRY

Credit: 1 unit

Open to Grades 10-12

Recommendation: Completion or concurrent enrollment in Geometry. Students who have earned a grade of "C" or better in Geometry experience an appropriate yet challenging placement in this course.

Honors Chemistry is an accelerated high school chemistry course. The intent of the course is to develop a foundation of unifying chemical principles utilizing a laboratory and lecture settings. Topics covered are the same as those in 7100 Chemistry, but will be studied in greater depth and with a heavy math emphasis. Students must be proficient in the use of arithmetic skills and the basic techniques of algebra. *Note: This course will count as a weighted grade.*

H7142S1 & H7142S2 AP CHEMISTRY

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Successful completion of Honors Chemistry. Students who have earned a grade of an "A" in Honors Chemistry experience an appropriate yet challenging placement in this course.

AP Chemistry is a second-year chemistry course for the college-bound student planning on a science related major. Students excelling in Honors Chemistry are urged to enroll.

A college-level text is used and students must be able to comfortably handle challenging mathematical and abstract concepts. The course work will be intense and progress rapidly. Like most college level courses, students will be expected to cover material independently outside of class time and homework discussion during class will be minimal. Three chapters of work will be assigned over the summer. This course has a strong lab component. All students will be encouraged to take the AP exam in chemistry. This course is equivalent to one full year of college chemistry. The AP exam, given in the spring, will cover two semesters of college chemistry material. AP credit is based on exam score. *Note: This course will count as a weighted grade.*

H7160S1 & H7160S2 CONCEPTUAL PHYSICS

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Completion or concurrent enrollment in Algebra

This course presents classical and modern physics qualitatively, with emphasis on the relevance of physics to the student's own experience. Presentation of these ideas is done conceptually rather than mathematically. Students will study mechanics, sound, light, and basic electricity and magnetism. Laboratory exercises are often used to emphasize and illustrate the lessons. Students who are concurrently enrolled in Algebra II/Trig or higher are appropriately placed in Physics or higher.

H7180S1 & H7180S2 PHYSICS

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Completion or concurrent enrollment in Alg.2/Trig. Students who have earned a grade of "C" or better in Geometry experience an appropriate yet challenging placement in this course.

Physics is a math-based introductory course for students who wish to satisfy the requirements of a college-prep curriculum without the greater challenge of AP Physics I. All students who are interested in mathematics will find that Physics gives them the opportunity to apply their algebra and trigonometry skills in practical problems. A traditional syllabus is followed. Topics that may be covered include motion, Newtonian mechanics, electricity, magnetism, sound, and light. Laboratory experiments and daily homework are essentials of the course.

H7185S1 & H7185S2 AP PHYSICS I (ACC)

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Successful completion or concurrent enrollment in Honors Chemistry and Algebra II/Trig.

This course is the first recommended physics course for many students, particularly those who wish to have careers in biology, chemistry, physics, medicine, nursing, or engineering. The year-long course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and fluids. Enrolled students will be encouraged to take the corresponding AP exam in May. *Note: This course will count as a weighted grade.*

H7190S1 & H7190S2 AP PHYSICS II (ACC)

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Successful completion of AP Physics I

This course is recommended for students who are interested in continuing their study of physics in a challenging environment. The full-year AP Physics II is equivalent to a second-semester college course in algebra-based physics. The course covers sound, thermodynamics, electricity and magnetism, optics, quantum, and atomic and nuclear physics. Enrolled students will be strongly encouraged to take the corresponding AP exam in May. *Note: This course will count as a weighted grade.*

H7215S1 & H7215S2 AP PHYSICS C: MECHANICS

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Successful completion of Honors Chemistry and completion of or concurrent enrollment in Calculus

This course is recommended for students excelling in math and science and who may be interested in a career in math, science, or engineering. This course is equivalent to a first-semester college course in calculus-based physics. The topics covered include kinematics, Newton's laws of motion, energy and power, momentum, circular motion and rotation, gravitation, and oscillations. This course uses lab experiments to understand concepts and includes advanced problem solving skills, which may be calculus based. Enrolled students will be encouraged to take the corresponding AP exam in May. *Note: This course will count as a weighted grade.*

SEMESTER COURSES

H7300 ASTRONOMY

Credit: 1/2 unit

Open to Grades: 10-12

Recommendation: Students who have completed or are currently enrolled in Chemistry and Physics with a grade of C or better experience an appropriate yet challenging

placement in this course.

This course will provide the student with an introduction to the concepts of modern astronomy, the origin and history of the Universe and the formation of the Earth and the solar system. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. The course gives a description of astronomical phenomena using the laws of physics. This course emphasizes the seasonal changes observed in the night sky including constellations, galaxies, stars, planets, and the sun and the moon. Historical developments in astronomy will be explored.

H7150 FORENSIC SCIENCE

Credit: 1/2 unit

Open to Grades: 11-12

Recommendation: Completion of Chemistry. Students who have earned a grade of "C" or better in both semesters of Chemistry experience an appropriate yet challenging placement in this course.

This college prep course is intended to be an enrichment to current chemistry and physics courses. In this class, you will investigate scientific methods currently being used to test evidence found at crime scenes. You will investigate crime scene processing, visualizing and identifying latent fingerprints, fiber, hair, and glass analysis, drug testing, and other techniques. You will also complete three projects: investigate a topic in forensic science then present your findings to the class, create a news story chronicling a toxicology case study, and create a fictitious crime scene and explain to the class how to collect and test the evidence.

H7155 ACC ADVANCED FORENSIC SCIENCE

Credit: 1/2 unit

Open to Grades: 11-12

Recommendation: Successful completion of Forensic Science. Students who have earned a grade of "B" or better in Forensic Science experience an appropriate yet challenging placement in this course.

This course is intended for the more serious forensic science student. In this class, you will investigate advanced techniques in forensic science. You will investigate large crime scenes, handwriting, ink and paper forgery, fire investigations, forensic art, firearms and other toolmarks. You will also investigate a famous crime, prior to 1990, in forensic science and write a paper comparing forensics from that time to today. You will also be taking the St. Louis University final exam. It should be noted that Advanced Forensic Science is truly a college quality course offered at our high school. *Note: Students may receive dual credit from St. Louis University through the 1818 program and this course will count as a weighted grade.*

H7157 ADVANCED RESEARCH IN FORENSIC SCIENCE

Credit: 1/2 unit

Open to Grades: 11-12

Recommendation: Successful completion of Adv. Forensics Science and Instructor's approval. Students who have earned a grade of "B" or better in Adv. Forensics experience an appropriate yet challenging placement in this course.

This course is a very independent course. Students need to be self-motivated and able to focus on completing a task on their own over a long period. In this course, you will learn to set up a database and website that will include several pieces of information about each entry. You will also learn to edit photographs using Photoshop and cross reference several pieces of information found in the photographs. You will be required to research a career path in Forensic Science and write a paper. You will need to choose two independent projects from several possible projects in forensic science research. In addition, you will be expected to choose a career to investigate.

H7097 SCIENCE INDEPENDENT RESEARCH

Credit: 1/2 unit for full year

Open to Grades: 11-12

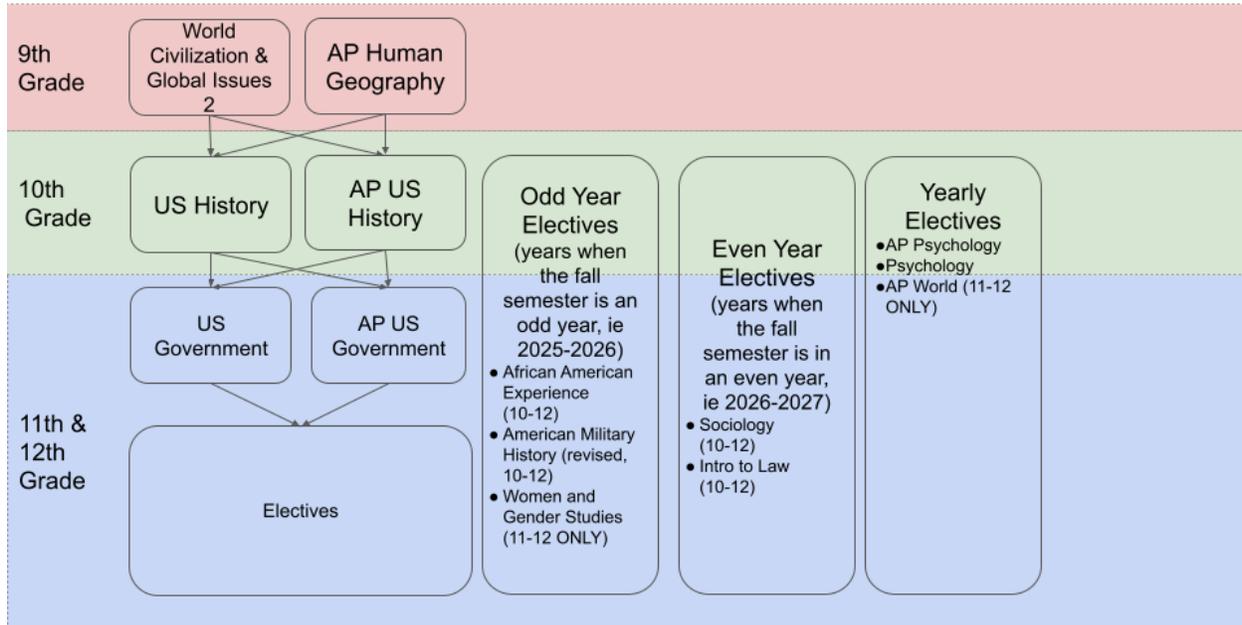
Recommendation: "B" in life science (Biology) and physical science (Chemistry or Physics) and approval by a teacher who will act in a limited capacity as an advisor.

This course provides students with the means and encouragement to undertake independent science research projects and is essentially a year-long, structured "science fair" class. Students will perform literature searches, contact experts, design a project or experiment, keep a log book, and enter a project in a science fair or similarly judged event. Self-motivation is essential.

Social Studies

Students must earn 3.0 Social Studies credits (including US Government and US History) to graduate from WGHS. Most four-year colleges require 3-4 credits for admission purposes.

Social Studies Course Sequencing



9th GRADE REQUIRED COURSES

H8162S1 & H8162 WORLD CIVILIZATIONS AND GLOBAL ISSUES II

Credit: 1 unit

Open to Grade: 9th Grade

This course is a continuation of study from 8th grade World Civilizations and Global Issues I. The course includes an overview of western and non-western civilizations. The material will be presented as a global study beginning with the 13th century and ending with the modern world. Students will study and compare political, economic, religious, social, and philosophical systems of civilizations around the globe. This course will require daily reading assignments, note taking, discussion, problem-solving, analysis of primary sources documents, and change-over-time concepts. It will also include written assignments and a research project. A variety of materials will be used throughout the course. This may include the textbook, primary sources, supplemental materials, and audio-visual programs when appropriate. This course will enhance the

student's ability to think critically and improve verbal and written analysis and communication skills.

H8095S1 & H8095S2 AP HUMAN GEOGRAPHY

Credit: 1 unit

Open to Grades: 9

Recommendation: This course is an Advanced Placement course. Students with strong reading skills are encouraged to enroll.

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction.

10th GRADE

H8060S1 & H8060S2 U.S. HISTORY CIVIL WAR - MODERN

Credit: 1 unit

Open to Grades: 10

This basic course covers American History from c.1865 to the 1990's and stresses the following units: Reconstruction, The Gilded Age, The Great American West, The Industrial Revolution, the Spanish American War, World War I, The Progressive Movement, the Great Depression and the New Deal, World War II, the Cold War, the Civil Rights Movement, the Vietnam conflict, and the Watergate scandal. The year will conclude with a look at the presidencies of Reagan, H.W. Bush, Clinton, and W. Bush. The history of minorities, women, and social movements will be highlighted. In addition to the basic text, various primary and secondary sources, films and documentaries, and projects will be used in the course.

H8090S1 & H8090S2 AP/ACC U.S. HISTORY

Credit: 1 unit

Recommendation: Students who earned a "B" in their freshman Social Studies course experience an appropriate yet challenging placement in this course.

Open to Grades: 10

This U.S. History program, which covers the period from the discovery of America to the present, will require extensive reading, discussion, and research. Students will find the

coursework difficult and should remind themselves of this as they enroll in this course which requires high academic achievement potential and high interest in U.S. History. Honors U.S. History will include a U.S. History college credit option through UMSL. Both transcripts are transferable to most major colleges and universities throughout the country. This class also helps students prepare to take the Advanced Placement test in U.S. History, given in mid-May each year. Students do not have to exercise either the AP or college credit option, but they may simply take this class for in-depth knowledge and enrichment while meeting the U.S. History requirement for graduation. *Note: This course will count as a weighted grade and students may receive dual credit from UMSL. Enrollment for college credit requires a GPA of at least 3.0.*

11th Grade

H8038S1 & H8038S2 U.S. GOVERNMENT

Credit: 1 unit

Open to Grade: 11

U.S. Government is a required, year-long course that explores the dynamics of federal, state, and local government structures. Students will evaluate the foundation of democratic principles, and examine the application of the U.S. Constitution, the Bill of Rights, and other key historical documents to the three branches of the U.S. Government. Student outcomes of the class include gaining insight into the intricacies of citizens' rights and liberties, an appreciation for civic engagement and participation in civil disclosure. Through critical analysis, discussions, and real-world applications, students will develop the knowledge and skills necessary to participate actively in our democratic society. This course prepares them to be informed, responsible citizens who contribute to a thriving and just American democracy.

H8223S1 & H8223S2 AP/ACC US GOVERNMENT AND POLITICS

Credit: 1 unit

Open to Grades: 11

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. *Note: This course will count as a weighted grade and students may receive advanced college credit from UMSL.*

Enrollment for college credit through UMSL requires an unweighted GPA of at least 2.5.

ELECTIVE COURSES

H8495 THE AFRICAN AMERICAN EXPERIENCE

Credit: ½ Unit

Open to Grades: 11-12

The African American Experience is a survey course that will examine the history of African Americans from its beginnings in the slave trade to the present. It will also take the time to investigate and analyze cultural aspects of African Americans throughout history. This course will familiarize students with events that have shaped the experiences of African Americans and allow for further understanding of a culture that is integral to America as a whole. Topics will include: The Slave Trade, African American involvement in all U.S. Wars, Jim Crow Laws, African American Poetry and Fiction, The Civil Rights Movement, Jazz and Blues Culture, etc. The broad scope of topics will necessitate outside reading and research by students. This course will encompass topics from U.S. and World History, Geography, Government, Literature, Music and Drama. *An application for an Honors Grade may be requested for this course.*

H8452 AMERICAN MILITARY HISTORY

Credit: 1/2 unit

Open to Grades: 10-12

This course offers a comprehensive exploration of the development of American military forces and strategy from the Colonial period to the present, with an emphasis on historical thinking skills such as evidence-based research, analysis of causation, and the study of continuity and change over time. Students will engage with primary and secondary sources to understand key conflicts like the American Revolution, the Civil War, the World Wars, and modern military engagements. In addition to studying battles and tactics, students will examine how warfare has shaped American culture, politics, and the economy, exploring the lasting impact of military conflict on society.

H8300 INTRODUCTION TO LAW

Credit: 1/2 unit

Open to Grades: 10-12

This course is designed to introduce students to the different aspects of the legal system in America today and its importance to each individual's life. The following aspects of law will be considered: purposes and sources of law, the problem of crime, the criminal justice process, and citizens' rights and responsibilities. In addition to the basic textbook, students will be provided with handouts and readings to provide updated information and to relate current events to the topics being considered. Films and

occasional guest speakers may be used. Students will have the opportunity to enhance their critical thinking, decision-making, and communication skills through frequent discussions of case studies and controversial issues and through activities that will help them apply their knowledge.

H8420 PSYCHOLOGY

Credit: 1/2 unit

Open to Grades: 11-12

Psychology is an elective designed to introduce students to psychology as a systematic study of behavior and its broad scope as a field of study. Students will learn about the development of Psychology as a Science and apply concepts learned to their daily lives. It is hoped that students will be able to relate certain aspects of the course to their own personal needs, and, therefore, gain a better understanding of themselves. The class will touch briefly on many areas: biology of behavior, memory, personality, intelligence and creativity, motivation, frustration, conflict, stress, drugs, behavior disorders, social influences and relationships.

H8425S1 & H8425S2 AP/ACC PSYCHOLOGY

Credits: 1 unit

Open to Grades: 11-12

AP Psychology is a college level course that is designed to introduce students to the systematic and scientific study of behavior and mental processes. Students will develop an understanding of the basic schools of psychological thought and methodology. Psychological theories of learning, thinking, and development will be covered, as well as the biological bases for behavior. Social and abnormal psychology, as well as the treatment of mental illness, will also be touched upon. Students will demonstrate knowledge of these areas through class discussions, traditional assessments, and a number of projects and writing assignments. *Note: This course will count as a weighted grade and students may receive advanced college credit from UMSL. Enrollment for college credit through UMSL requires a GPA of at least 2.5.*

H8330 SOCIOLOGY

Credit: 1/2 unit

Open to Grades: 11-12

This is a performance-based assessment class that will rely heavily on research, group work, written responses, and presentations. This course is designed to develop an understanding of the role and impact of our society on our lives. Students should also leave the course with a greater understanding of current social issues. The course will cover such topics as culture, the family, the media, the educational system, the role of religion, prejudice and discrimination, as well as other pressing social issues.

H8980 ACC WOMEN, GENDER, AND DIVERSITY

Credit: 1/2 unit

Open to Grades: 11-12

Women, Gender, and Diversity is an interdisciplinary, advanced credit course for the college-bound student. It provides an introduction to Women's and Gender Studies and introduces students to cultural, political, and historical issues of concern to women. The course familiarizes students with the diversity of women's experiences worldwide and explores representations of women and women's contributions to multiple disciplines, including anthropology, history, sociology, psychology, and literature. The class is discussion-based, taught in a seminar format, and students read and write extensively outside of class. *Note: This course will count as a weighted grade and students may receive dual credit from UMSL. Enrollment for college credit requires an unweighted GPA of at least 2.5.*

H8170S1 & H8170S2 AP/ACC WORLD HISTORY: MODERN

Credit: 1 unit

Open to Grades: 11-12

AP Modern World History is a rigorous course that focuses on developing students' abilities to think conceptually about world history and apply historical thinking skills. The course explores five major themes: (1) the interaction between humans and the environment, (2) the development and interaction of cultures, (3) state-building, expansion, and conflict, (4) the creation and expansion of economic systems, and (5) the development and transformation of social structures. The course will require students to craft plausible arguments from historical evidence, demonstrate chronological thinking skills, and synthesize and interpret historical evidence. Students will be required to construct various forms of essays (document-based, argumentative, causation, comparison, and continuity and change-over-time), analyze various forms of documents, and participate in Socratic discussions. Students should demonstrate a strong work ethic, independent study skills, and the ability to analyze content with a high level of critical thinking. Students should expect a substantial amount of out-of-class work. They are encouraged to take the AP exam, though it is not required. *Note: This course will count as a weighted grade and students may receive dual credit from UMSL. Enrollment for college credit requires a GPA of at least 2.50.*

The Frick Center

Purpose and Principles of the Frick Center for Civic Engagement:

The Frick Center for Civic Engagement is a student-centered program that challenges participants to engage with economic, social, political, and moral factors and their influence on civic discourse, free speech, personal responsibility, and policy-making. Students will choose a mentor-guided pathway where they will actively contribute to community-based initiatives that refine and enhance their academic and practical skills, positioning them as catalysts for positive societal change. This comprehensive approach fosters a deep understanding of responsible citizenship and equips students for impactful engagement in their chosen fields.

The Frick Forum Course Bundle

This program is a course bundle that has two separate course components that will work together to meet the goal of the Frick Center. The individual courses are listed below.

Courses are open to grades 11 and 12.

Students should enroll in the course bundle and are encouraged to enroll in either the Seminar or Research course to further enhance their experience.

H9081 Forum - Civic Engagement (elective) - 1.0 Credit

In Civic Engagement, students work with an intimate and diverse cohort to explore areas of civic engagement by applying the AP Seminar/Research QUEST framework. Students engage in civil discourse, readings/book studies, as well as some selective film viewing. All of this learning revolves around the seven branches of civic engagement. During the first semester students explore the seven branches of civic life. Second-semester students engage in a problem-based learning community engagement project. This class is a part of the Forum course; Civic Experience course enrollment is required. It is recommended that students also take Seminar (with an AP option) or Research (with an AP option).

H9082 Forum - Civic Experience (elective) - 1.0 Credit

During the first semester of Civic Experience, students engage in site visits and learn from guest speakers who relate to our seven branches of civic learning. During these experiences, students will learn about careers that exist within the branch, educational pathways to those careers, how those careers engage with civics, and how they are used to leverage positive change. In the second semester, students are matched with an intensive experience within the branch they are most interested in. These experiences include job shadows, internships, service learning, and mentorships. This is done in partnership with the Chelsea Center. This class is a part of the Forum course; Civic Engagement course enrollment is required.

Branches include: Policy and Politics, Education and Academia, Arts and Inspiration, Economics and Data, Law & Justice, Journalism and Communication and Science and Medicine

H9137S1 & H9137S2 Research (AP Option, Elective) - 1.0 Credit (*pending board approval*)

AP Research, the second course in the AP Capstone™ experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest.

Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio.

The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

AP Capstone (No Enrollment Required)

AP Capstone™ is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone comprises two AP courses—AP Seminar and AP Research—and is designed to complement and enhance the discipline-specific study in other AP courses.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™.

Special Education

**All courses and recommendations are based on the recommendations of IEP team and SSD Case Manager*

H5990S1 & H5990S2 FUNDAMENTALS OF MATH

Credit: 1 unit Math

Open to Grades: 9-12

This course focuses on applying basic math skills to daily living. The four basic operations, fractions, decimals and percents are all reviewed and utilized in topics including shopping, banking, writing budgets, measuring and others. Pre-Algebra and Geometry skills will also be introduced/strengthened. The content of the high school curriculum will be modified in order to ensure the success of students who put forth effort.

H3990S1 & H3990S2 FUNDAMENTALS OF ENGLISH I

Credit: 1 unit English

Open to Grade 9

Fundamentals of English I consists of instruction in writing, reading, grammar, speaking/listening, research and vocabulary development. Students will learn strategies that will enable them to decode and comprehend fiction and nonfiction. Vocabulary study draws from the literature or from word lists appropriate for 9th graders. Writing instruction focuses on strengthening the paragraph and develops into careful building of the essay and the grade-specific I Search paper. Mechanics and usage, vocabulary, spelling, and oral communication are emphasized.

H3991S1 & H3991S2 FUNDAMENTALS OF ENGLISH II

Credit: 1 unit English

Open to Grade 10

Fundamentals of English II consists of instruction in composition, reading fiction and informational text, grammar, speaking/listening, research and vocabulary development in world literature. Strategies for improving comprehension of fiction and informational texts will be stressed. Vocabulary study is an integral part of the course and is aligned with the literature or from word lists appropriate for this grade level. Students improve their linguistic and analytical skills by interpreting literature in terms of such elements as theme, characterization, structure, symbolism, irony, and figurative language. Equal emphasis is placed on the writing process, particularly sentence structure, paragraph organization and development, diction, and mechanics.

H3994S1 & H3994S2 FUNDAMENTALS OF ENGLISH III

Credit: 1 unit English

Open to Grade 11

Fundamentals of English III continues to expand and reinforce the student's skills of analysis and evaluation of literature, writing, vocabulary, research, and speaking and listening. Through reading fiction, information text, drama, and poetry, students will examine the changing nature of the American Dream and how it pervades American Literature. Key writing concepts include thorough knowledge of the writing process, organizational structure, and grammatical conventions. Students will use literary criticism to write argumentative essays. In addition, students will complete narrative and informative pieces.

H3996S1 & H3996S2 FUNDAMENTALS OF ENGLISH IV

Credit: 1 unit English

Open to Grade 12

This year-long course prepares students for post-secondary opportunities. Students strengthen their critical thinking skills by exploring contemporary readings, composing formal papers, and practicing revisions and rewriting. Key texts for this class include reading selections along with focused exercises in editing, refining sentence structure, and drafting coherent paragraphs and essays. Weekly vocabulary study involves learning Latin, Greek and French word parts with English derivations.

H3995S1 & H3995S2 FUNDAMENTALS OF READING

Credit: 1 unit English

Open to Grades: 9-12

This course directly and systematically teaches students how to accurately decode and encode. The program engages students through interactive and multisensory instruction. Total word construction, as well as phonics, is emphasized. A placement assessment and teacher recommendation is used to determine appropriate level.

H0042S1 & H0042S2 LEARNING STRATEGIES

Credit: 1 unit Elective

Open to Grades 9-12

Students will learn, demonstrate, and use learning strategies and study skills. Students will work on reading, writing, and math. Students will work on transition planning for their future after high school. Additionally, students will be provided opportunities to seek instructor assistance and request further learning strategies and study skills as needed to assist them in learning the content areas. Emphasis will be given to academic areas of concern. Students' IEP goals will be addressed. Students will be

expected to bring materials to every class session and demonstrate an appropriate attitude toward learning.

H0062S1 & H0062S2 ALGEBRA LEARNING STRATEGIES

Credit: 1 unit Elective

Open to Grades 9-12

Recommendation (if applicable): From Teacher, Counselor and/or Case Manager

Students will learn, demonstrate, and use learning strategies and study skills in Algebra. Students will work on transition planning for their future after high school. Additionally, students will be provided opportunities to seek instructor assistance and request further learning strategies and study skills as needed to assist them in learning the content areas. Emphasis will be given to academic areas of concern. Students' IEP goals will be addressed. Students will be expected to bring materials to every class session and demonstrate an appropriate attitude toward learning.

H0063S1 & H0063S2 GEOMETRY LEARNING STRATEGIES

Credit: 1 unit Elective

Open to Grades 9-12

Recommendation (if applicable): From Teacher, Counselor and/or Case Manager

Students will learn, demonstrate, and use learning strategies and study skills in Geometry. Students will work on transition planning for their future after high school. Additionally, students will be provided opportunities to seek instructor assistance and request further learning strategies and study skills as needed to assist them in learning the content areas. Emphasis will be given to academic areas of concern. Students' IEP goals will be addressed. Students will be expected to bring materials to every class session and demonstrate an appropriate attitude toward learning.

H0066S1 & H0066S2 ELA 9 LEARNING STRATEGIES

Credit: 1 unit Elective

Open to Grade 9

Recommendation (if applicable): From Teacher, Counselor and/or Case Manager

Students will learn, demonstrate, and use learning strategies and study skills in ELA. Students will work on transition planning for their future after high school. Additionally, students will be provided opportunities to seek instructor assistance and request further learning strategies and study skills as needed to assist them in learning the content areas. Emphasis will be given to academic areas of concern. Students' IEP goals will be addressed. Students will be expected to bring materials to every class session and demonstrate an appropriate attitude toward learning.

H0067S1 & H0067S2 ELA 10 LEARNING STRATEGIES

Credit: 1 unit Elective

Open to Grade 10

Recommendation(if applicable): From Teacher, Counselor and/or Case Manager

Students will learn, demonstrate, and use learning strategies and study skills in ELA. Students will work on transition planning for their future after high school. Additionally, students will be provided opportunities to seek instructor assistance and request further learning strategies and study skills as needed to assist them in learning the content areas. Emphasis will be given to academic areas of concern. Students' IEP goals will be addressed. Students will be expected to bring materials to every class session and demonstrate an appropriate attitude toward learning.

H0068S1 & H0068S2 ELA 11 LEARNING STRATEGIES

Credit: 1 unit Elective

Open to Grade 11

Recommendation (if applicable): From Teacher, Counselor and/or Case Manager

Students will learn, demonstrate, and use learning strategies and study skills in ELA. Students will work on transition planning for their future after high school. Additionally, students will be provided opportunities to seek instructor assistance and request further learning strategies and study skills as needed to assist them in learning the content areas. Emphasis will be given to academic areas of concern. Students' IEP goals will be addressed. Students will be expected to bring materials to every class session and demonstrate an appropriate attitude toward learning.

H0020S1 & H0020S2 ASPIRE LEARNING STRATEGIES

Credit: 1 unit elective

Open to Grades: 9-12

The Learning Strategies/Social Skills classroom is a Special Education and a Tier 3 intervention for students with mental health issues that have symptoms that impact their academic/social performance and progress in a general education curriculum/setting. The goals of the Social Skills class are to teach social-emotional learning skills to students with Social, Emotional and Behavioral and/or Mental Health concerns so they can succeed in their home school (the least restrictive environment) and connect the students and their families to and coordinate with community supports. The following curriculum is addressed: social skills, emotional and behavioral regulation skills, resiliency skills, coping skills, anger management, problem solving, decision making, and developmental assets. Students will also receive instruction in learning strategies and study skills.

H0043 FUNCTIONAL SOCIAL SKILLS

Credit: 1 unit elective

Open to Grades: 9-12

This course is designed to help students learn to cope with a variety of issues in their lives, such as developing friendships, showing self-control, communicating appropriately, solving problems, and making moral judgments. The small class size allows individuals to discuss difficulties that they are having in the high school environment, and work together to come up with solutions that are socially acceptable. Students will be graded on class participation and accomplishing individual goals.

H7992S1 & H7992S2 FUNCTIONAL SCIENCE

Credit: 1 unit elective

Open to Grades: 9-12

Students will be placed in this course based upon previous assessments and individualized education goals. Students will meet the rigor outlined in the Next Generation Science Standards through standards-based content in the areas of Earth and Space Science, Life Science (Biology), and Physical Science. Students will learn the practical knowledge in science that they will need to succeed in the real world.

H5993S1 & H5992S2 FUNCTIONAL MATH

Credit: 1 unit elective

Open to Grades: 9-12

A placement assessment is used to properly place students into this course. Learners build foundational skills and master concepts related to activities of daily living. Topics include Counting and Cardinality, Numbers and Operations, Fractions, Time and Money, Measurement, Data and Graphing, Geometry, Algebra, Functions, and Ratios and Proportional Relationships.

H3993S1 & H3993S2 FUNCTIONAL ENGLISH LANGUAGE ARTS

Credit: 1 unit elective

Open to Grades: 9-12

Students will complete a pre-test to determine academic strengths and areas for improvement. Curriculum is based on state ELA extended standards in the areas of Phonological Awareness, Comprehension, Phonics, Vocabulary, Word Recognition, Integration of Knowledge and Ideas, Fluency, Range and Text Complexity, Key Ideas and Details, Print Concepts, Craft and Structure, and Production and Distribution of Writing. Individualized lessons will then be created to address needs in basic skill areas that have not been mastered. Students will learn the practical knowledge in language arts that they will need to succeed in the real world.

H8997S1 & H8997S2 FUNCTIONAL SOCIAL STUDIES

Credit: 1 unit Social Studies

Open to Grades: 9-12

Students will be provided with the understanding needed to become contributing members of their community and society. Student experiences will include self-management and safety within the community, interpersonal skills, career awareness, critical thinking, reading environmental print, navigating the community, reading schedules, current events and citizenship. There will also be an emphasis on using a variety of services and organizations to promote independent living skills.

H0070S1 & H0070S2 VOCATIONAL SKILLS I

Credit: 1 unit elective

Open to Grades: 9-12

Designed for students who are beginning their journey towards the world of employment, they will learn the skills necessary for the world of work through a focus on pre-employment skills. The program is individualized and may include role playing of appropriate job behaviors/skills, on-the-job training, filling out forms, and career interest inventories. Students will perform on-the-job training at various high school campus locations. Students can perform work tasks designed to practice work skills and social skills in a real work setting.

H0071S1 & H0071S2 VOCATIONAL SKILLS II

Credit: 1 unit elective

Recommendation: From SSD case manager

Open to Grades: 10-12

Designed for students that have had some exposure to a volunteer job role, students will learn the skills necessary for the world of work. Students will learn the practical knowledge in job skills that they will need to succeed in the real world. Areas that will be covered include: exploring career options, filling out applications, developing a resume and cover letter, interviewing, and developing appropriate work habits. Students will utilize the skills learned in class to work in various jobs in the WGHS environment.

H0072S1 & H0072S2 COMMUNITY BASED VOCATIONAL INSTRUCTION I

Credit: 1 unit elective

Open to Grades: 10-12

Designed for juniors and seniors, students will further develop job skills in a community-based work environment. This is a 2-hour block of time in which students will participate in classroom instruction as well as taking on a volunteer job experience in the community.

H0073S1 & H0073S2 COMMUNITY BASED VOCATIONAL INSTRUCTION II

Credit: 1 unit elective

Open to Grades: 10-12

Designed for seniors with some level of independence at a simulated work site, students will further develop job skills in a community-based work environment. This is a 3-hour block of time in which students will participate in classroom instruction as well as taking on a volunteer job experience in the community. Students have to interview for this position. Students are required to have a Tuberculosis test, an influenza vaccine and a COVID-19 vaccine (unless they have a medical or religious waiver).

Special Programs

H0152S1 & H0152S2 9TH GRADE STATESMEN SUCCESS LAB

(previously 9th Grade Academic Lab)

Credit: 1/2 unit (pass/fail)

Statesmen Success Lab provides an opportunity for students to receive additional tutoring and academic support on a daily basis. Teachers are available to students in each lab to provide assistance with regular class work, provide study tips, and monitor grades. Counselors and administrators will occasionally work with students regarding scheduling, college and career planning and other school-related issues. This course is strongly recommended for 9th grade students.

H0155S1 & H0155S2 STATESMEN SUCCESS LAB

(previously Academic Lab)

Credit: 1/2 unit (pass/fail)

Open to Grades: 10-12

Enrollment: based on assessment data and teacher recommendation

Statesmen Success Lab provides an opportunity for students to receive additional tutoring and academic support on a daily basis. Teachers are available to students in each lab to provide assistance with regular class work, provide study tips, and monitor grades. Counselors and administrators will occasionally work with students regarding scheduling, college and career planning and other school-related issues.

H0001S1 & H0001S2 STUDY HALL

Credit: NONE (Can be taken either semester or full year)

Open to Grades: 10-12

Students are assigned to a staff member and will be supervised in their daily work. The purpose of the study hall is to complete homework assignments, prepare for tests and quizzes, and gain assistance from teachers as needed.

H0003S1 & H0003S2 INDEPENDENT PERIOD

Credit: NONE

Open to Grades: 10-12 (Can be taken either semester or full year)

Recommendation: 3.75 GPA

Students with a 3.75 GPA enroll in Independent Period rather than Study Hall. Students must sign in at the library and have the opportunity to independently work in various areas of the building during their assigned period.

H9120S1 & H9120S2 GIFTED ACADEMIC LAB

Credit: 1 unit

Recommendation: In Gifted and Talented Program

Open to Grades: 9-10

The Gifted Support Lab provides an opportunity for students in Grade 9 and identified as Gifted and Talented to receive academic and affective support in a structured environment. Student check-ins; grade monitoring; test preparation; reinforcement of time management and workload management strategies as well as additional executive functioning skills will all be emphasized. In addition, the curriculum also addresses the affective needs of gifted students by providing strategies to help students work through challenges with school and personal relationships; to reinforce communication skills in order to effectively interact with others; to nurture individual problem solving to foster resilience; and to emphasize personal goal setting and follow-through with reflection. This course will be taught by a gifted certified teacher.

H5600S1 & H5600S2 AND H2600S1 & H2600S2 ALGEBRA IN MANUFACTURING PROCESS, ENTREPRENEURSHIP AND DESIGN (AMPED)

Credit: 2 units (1 Math and 1 Practical Art)

Open to students enrolling in Algebra 1 (typically 9th grade)

A.M.P.E.D. is a course which pairs Algebra 1 skills with manufacturing processes to show practical application of math skills. When students register for the A.M.P.E.D. class they are assigned two courses on their schedule: Algebra 1 & A.M.P.E.D. Entrepreneur. Additionally, the course is team-taught by a math & practical arts teacher. During the first hour/course students will participate in the Algebra 1 curriculum which aligns with the Algebra 1 course at WGHS. The second hour/course will focus on manufacturing and the practical side of math needed to run a business. The WGHS AMPED class will run a t-shirt manufacturing business. The course will cover t-shirt design and production. Students will learn design processes, design software, and use of excel spreadsheets.

H9371 MAKERSPACE I: DESIGN THINKING, TOOL CRAFT AND MAKING

Credit: ½ unit

Grades: 9-12

Makerspace 1 is a class centered in using design thinking concepts to create, build, and test. Students learn the design thinking model and practice working through the steps of empathizing with the user, designing with the user in mind, ideating to solve the problem, creating a physical prototype, and testing the model. In an effort to provide a true hands-on experience, the WGHS Makerspace has tools to help students turn their design ideas into reality. These tools include 3D printers, a laser cutter, a CNC router, sewing machines, Cricut Maker, traditional hand tools, drones, video editing software,

and a drawing tablet for converting hand drawings into digital graphics. In addition to design thinking concepts, the class focuses on necessary 21st century skills like collaboration, communication, problem solving, and more.

H9381 MAKERSPACE II: DESIGNING SOLUTIONS

Credit: ½ unit

Recommendation: Students who successfully progressed in Makerspace I will find this to be a challenging yet appropriate course

Grades: 9-12

After completing Makerspace I, students have experience with the design thinking model and a workable knowledge of the Makerspace tools. The Makerspace II course will deepen students' understanding of this work and its application to problems within our school and our community. Students will work together to identify issues and design solutions. Students will then use their knowledge of Makerspace tools, in addition to art, design, and media, to create prototypes for their solutions. They might even be challenged to explore new tools to find creative ways to solve their design problems. In addition to design thinking concepts, the class focuses on necessary 21st century skills like collaboration, communication, problem solving, and more. In the end, students will be expected to formulate solutions, test, and present them in a way to share their findings.

H9382 MAKERSPACE LAB ASSISTANT

Credit: ½ unit

Apply with Makerspace staff

Open to Grades: 9-12 (need to have previous experience in the Makerspace)

Makerspace Lab assistants will help visiting students and teachers with designing their makes, solving problems, navigating the room, and operating equipment safely. In addition students will assist the Makerspace teacher in maintaining equipment, troubleshooting problems, and optimizing the space for student and teacher use. Ideal candidates enjoy building, designing, and creating and have strong communication skills to assist a broad range of students and teachers of different technical abilities.

H9500S1 & H9500S2 INDEPENDENT STUDY

Credit: 1/2 unit

Recommendation: Approval by teacher, department chair, and student's asst. principal

Open to Grades: 11-12

An independent study course may be taken for high school credit. Independent study courses will be limited to study beyond the most advanced course offered by Webster Groves High School in a given subject. The student must have taken all the courses in the curriculum sequence leading to the advanced study and must have earned a grade

of "B" or better in each qualifying course.

The student must obtain an application for Independent Study from his/her counselor. He/she must complete the application and secure the signature of approval of the participating teacher, the parents, the counselor, department chairperson and the Unit Administrator. Credit will be awarded as follows: 1/2 credit for a minimum of 60 class hours of instruction or for a total of 60 hours of combined class instruction and actual outside research or preparation work for the classroom tutorial session. A student may not enroll in more than a total of 2 units of independent study credit during his/her high school experience. He/she may take only 1/2 unit of independent study credit per semester.

H0148S1 & H0148S2 PEER TUTORING

Credit: elective 1/2 unit per semester

Recommendation: 3.0 GPA

Open to Grades: 11-12

Peer tutors provide specialized help in the WGHS Tutoring Center. Based on the student's strengths, they will tutor core subjects as well as electives. Tutors will provide individual and small group assistance on assignments, tests, and projects in a particular content area, or areas. At the beginning of each semester, tutors will go through an orientation process on what is expected of them and will sign a contract. Tutoring in the WGHS Tutoring Center meets the mentoring/tutoring requirements of the A+ Schools Program, provided they meet agreed upon requirements and completion of tasks.

H9420S MATH DEPARTMENT STUDENT INTERN

Credit: ½ unit

Open to Grades: 11-12

Requires the permission of the teacher to which student will be assigned and the permission of the department chair.

Students will be assigned to one math teacher but will work closely with the entire Mathematics Department. Each student will assist teachers in creating and teaching lessons, working with small groups of students, and tutoring individual students. The ideal candidate enjoys explaining mathematics and is interested in pursuing a career as a Mathematics teacher.

H9580S1 & H9580S2 PUBLICATIONS: THE ECHO YEARBOOK

Credit: 1 unit

Recommendation: Students who have earned a B or higher in English class experience an appropriate yet challenging placement in this course

Open to Grades: 10-12

A good yearbook is the result of many hours of hard work, discipline, and cooperation. This includes working outside of scheduled class hours. A productive yearbook staff will gain a working knowledge of design and publishing skills as used in the publishing industry. The ultimate goal of Yearbook is to produce a book that everyone will be proud of, want to own and archive school history. Yearbook staff candidates should have an interest or background in one or more of the following graphic arts disciplines: design skills in layout and photography; writing skills for headlines, copy and captions; or photography skills in producing quality images. Creative and ambitious sales people are also needed to design and produce an ad campaign to help promote and sell the yearbook. This course may be repeated for additional elective credit.

H9400S1 & H9400S2 STUDENT ASSISTANT

Credit: 1/4 unit per semester

Recommendation: Teacher or Staff approval

Open to Grades: 11-12

Students may receive elective credit by assisting a teacher or office. With teachers, students can help with various classroom assignments (preparation of bulletin boards, copying and duplicating, inventory management, lab preparation, music, and/or library work.) In an office, students will deliver passes and supplies, assist with mailings, and assembling packets for various school functions. Credit and a pass/fail grade will be awarded on the basis of demonstrated learning, time spent, and teacher/staff evaluation. Each teacher may only have two student assistants per semester.

H9590S1 & H9590S2 TEST PREPARATION

Credit: 1/2 unit

Open to Grades: 11-12

This one-semester course is designed to help students prepare for college entrance tests, specifically the ACT. Teachers from multiple departments rotate between student-groups, instructing students in test-taking skills and strategies and in specific reviews for each subject area. Students are encouraged to purchase a teacher-selected ACT preparation textbook and are required to take weekly ACT practice tests. Emphasis is placed upon regular attendance and daily class participation.

H2017S1 & H2017S2 WG THRIVE INCUBATOR

Credit: 3 Credits

Open to Grades: 11-12 with application process

WG Thrive Incubator provides high school students with dynamic, immersion-based student learning experiences to ensure students can understand and respond to an ever-changing world. To accomplish this task, the Webster Groves School District will actively engage and work collaboratively with business partners, community service and

educational leaders to design and develop mutually beneficial learning experiences based on the interests of students and stakeholders. Thrive is an example of how business, community and public education can partner to produce personalized learning experiences that educate the workforce of the future, especially in high skill, high demand jobs.

Why the WG Thrive Incubator? Industry states 51% of college graduates are lacking the skills essential for success in the professional workplace. Thrive Incubator provides a safe, challenging and innovative environment that exposes students to real entrepreneurial opportunities with the support of industry and community leaders designed to:

- Discover passions in an authentic experiential learning environment
- Develop critical thinking, leadership, communication, curiosity, grit, perseverance, creativity and time management skills
- Fostering a growth mindset
- Build confidence and emotional intelligence

**Students can elect to fulfill their Personal Finance requirement in this course. In order to accomplish this, students pass the coursework portion and receive 60% or higher on the Personal Finance EOC.*

H9105S1 & H9105S2 PERSONAL EMPLOYMENT

Credit: ½ credit for minimum 60 hours of employment per class, per semester; up to 2.00 credits may be earned in one academic year

Recommendation: Approval of counselor and Personal Employment teacher

Open to Grades: 11-12

This Experiential Learning class helps students reflect on and articulate what they are learning during their real-world work experience. Students receive elective credit based on the experiential learning process of setting goals, co-designing their reflection process, hours worked, and sharing their learning with community stakeholders. Because most students work 10-20 hours a week outside of school, after expectations and goals have been established, students will only meet about once a week, as designated by the teacher, to check in on their experiences and reflect on skills. Students must be actively employed to enroll and maintain enrollment in this course.

H3511S1 & H3511S2 PUBLICATIONS: THE ECHO PAPER

Credit: 1 unit of Communication Arts or Practical Art credit

Recommendation: Journalism & instructor approval

Open to Grades: 10-12

The paper staff is chosen from the journalism classes. The staff publishes the monthly

school paper and its online version. In alternate years it also prepares the Turkey Day program. Besides the time required for story assignments, staff members spend time outside school hours for page design of the paper and ad solicitation.

Theatrical Arts

All Drama courses will count for Fine Art credit. Students need 1.0 Fine Art credit to graduate.

H3939 ACTING FOR BEGINNERS

Credit : 1/2 credit

Open to Grades: 9-12

This course is structured for the personal development of the student actor through movement exercises, open scenes, monologue work, simple script analysis and exploration of the actor's history. The actors in training will provide evidence of their understanding through various in-class performances and through their use of modern acting theory in several "mock" auditions on the Auditorium stage. This class is designed to explore the physical, intellectual and critical elements required of all beginning actors and the skills required to land a role in the department's after school productions during the year.

H3934 IMPROVISATIONAL ACTING

Credit: 1/2 credit

Open to Grades: 9-12

This course is structured for the beginning actor to develop and use pantomime, scene building and group improvisation to tell stories with or without a script. This introduction and exploration into the history of improv comedy will give the students the opportunity to learn basic acting theory of the great Viola Spolin. Students will be required to learn all of the rules of improvisation and comedy sports in order to find success in playing the in-class games list. Each class will end the semester with a formal team competition and sketch comedy showcase modeled after Second City in Chicago.

H3943S1 & H3943S2 ADVANCED ACTING AND PRODUCTION

Credit: 1 unit

Recommendation: Drama I or Improvisation

Open to Grades: 10-12

In this class, students will be immersed in an intense theatrical production schedule. The class will review acting theory and experience the entire production process as an actor. They will ultimately produce a show in the Spring Semester. Their participation in class will involve: writing exercises, an exploration of children's theater, non-profit theater development, detailed script work, memorization techniques, staging/blocking exercises, in class and self rehearsal, and live performances with an audience. NOTE:

All members of Advanced Acting must be able to attend three weeks of "after school" rehearsals (Mon - Thurs 3:45pm - 5:30pm) in the Spring (APRIL) in order to participate in this class.

H3928 TECHNICAL THEATER

Credit: 1/2 credit

Open to Grades: 9-12

In this class, students will learn the fundamentals of the theater hierarchy, stage design, set construction, and scenic artistry for theatrical productions. Each student will be exposed to a lecture style classroom and a lab environment to learn the principles of production. Hands-on experience is provided through both WGHS main stage productions (Fall and Spring) in both theaters on campus.

World Languages

WGHS does not require World Language credits for graduation; however, many colleges require at least two years of the same language for admission purposes.

FRENCH

H400S1 & H400S2 FRENCH I

Credit: 1 unit

Open to Grades: 9-12

This course focuses on natural language acquisition through comprehensible input. An emphasis is placed on developing listening and reading (interpretative) skills. Instructors conduct the course using 90% target language. The goal is for each student to reach a Novice-Mid level per ACTFL's Proficiency Guidelines.

H402S1 & H402S2 FRENCH II

Credit: 1 unit

Open to Grades: 9-12

Recommendation: French I or French in 8th grade

This course builds on the previous level's focus of natural language acquisition through comprehensible input. Students strengthen emerging speaking and writing skills, and continue to develop listening and reading proficiency. Instructors conduct the course using 90% target language. The goal is for each student to reach a Novice-High level per ACTFL's Proficiency Guidelines.

H404S1 & H404S2 FRENCH III

Credit: 1 unit

Open to Grades: 9-12

Recommendation: French II or French in 7th and 8th grades

This course continues the work of the preceding level, adding explicit instruction of grammatical structures. Instructors conduct the course using 90% target language. The goal is for each student to reach an Intermediate-Mid level per ACTFL's Proficiency Guidelines.

H406S1 & H406S2 FRENCH IV

Credit: 1 unit

Open to Grades: 10-12

Recommendation: French III

Students in French IV will continue improving their skills by using the culturally-oriented text, which serves as a basis of meaningful communication and supplemental reading materials, including *Le Petit Prince*. Instruction will be primarily in French, and students will be expected to speak in French. Videos in French will be used to further encourage the students to listen to French and to speak and write in the language.

Note: This is a weighted grade course and five hours of college credit is available through UMSL.

H4080S1 & H4080S2 FRENCH V

Credit: 1 unit

Open to Grades: 11-12

Recommendation: French IV

This course will include a variety of literary and cultural readings, in addition to further expansion of vocabulary and knowledge of grammatical structures. A major focus will be on improving listening, speaking, and writing skills. *Note: This is a weighted grade course and college credit is available through UMSL.*

H4100S1 & H4100S2 AP FRENCH

Credit: 1 unit

Open to Grade: 12

Recommendation: French V

This course will prepare students for the AP French language exam. Emphasis will be placed on developing increasingly spontaneous speaking, listening, reading, and writing skills. A variety of writing and speaking assignments will be required, as well as a thorough review of French 1-5 grammar. The AP Exam is an option in the spring. The course is taught completely in French. *Note: This is a weighted grade course and college credit is available through UMSL.*

GERMAN

H4140S1 & H4140S2 GERMAN I

Credit: 1 unit

Open to Grades: 9-12

This course focuses on natural language acquisition through comprehensible input. An emphasis is placed on developing listening and reading (interpretative) skills. Instructors conduct the course using 90% target language. The goal is for each student to reach a Novice-Mid level per ACTFL's Proficiency Guidelines.

H4160S1 & H4160S2 GERMAN II

Credit: 1 unit

Open to Grades: 9-12

Recommendation: German I or German in 8th grade

This course builds on the previous level's focus of natural language acquisition through comprehensible input. Students strengthen emerging speaking and writing skills, and continue to develop listening and reading proficiency. Instructors conduct the course using 90% target language. The goal is for each student to reach a Novice-High level per ACTFL's Proficiency Guidelines.

H4180S1 & H4180S2 GERMAN III

Credit: 1 unit

Open to Grades: 9-12

Recommendation: German II or German in 7th and 8th grades

This course continues the work of the preceding level, adding explicit instruction of grammatical structures. Instructors conduct the course using 90% target language. The goal is for each student to reach an Intermediate-Mid level per ACTFL's Proficiency Guidelines.

H4200S1 & H4200S2 GERMAN IV

Credit: 1 unit

Open to Grades: 10-12

Recommendation: German III

In German IV, students learn to read a variety of selections from contemporary German prose, to understand conversation typical of everyday life in Germany, to communicate appropriately on topics of general interest, to appreciate the problems of modern day Germany, and to develop a greater insight into the German language and culture. Excerpts from modern German literature and T.V. shows and German videos are studied. *Note: This is a weighted grade course and college credit is available through UMSL.*

H4220S1 & H4220S2 GERMAN V

Credit: 1 unit

Open to Grades: 11-12

Recommendation: German IV

This course is an advanced review of German grammar with a strong emphasis on conversation and writing skills. A variety of literary and cultural readings, as well as excerpts from T.V., news and film will be included to enhance listening, speaking and reading comprehension skills.

Note: This is a weighted grade course and college credit is available through UMSL.

H4230S1 & H4230S2 AP GERMAN

Credit: 1 unit

Open to Grade: 12

Recommendation: German V

This course will prepare students for the AP German language exam. Emphasis will be placed on developing spontaneous speaking, listening, reading and writing skills. A variety of writing and speaking assignments will be required, as well as a thorough review of grammar. The AP exam is an option in the spring. The course is taught primarily in German. *Note: This is a weighted grade course and college credit is available through UMSL.*

LATIN

H4400S1 & H4400S2 LATIN I

Credit: 1 unit

Open to Grades: 9-11

Students in this course will acquire the basic fundamentals of Latin through reading, writing, and translation. Emphasis will be placed upon vocabulary development, Roman culture, and elements of classical mythology. Students will be encouraged to take the National Latin Exam in the spring.

H4420S1 & H4420S2 LATIN II

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Latin I

Students in this course will continue to build upon the fundamentals of Latin acquired in Latin I. Students will utilize more advanced grammar and sentence structures. Emphasis will continue to be placed upon vocabulary development and reading comprehension. Students will be encouraged to take the National Latin Exam in the spring.

H4430S1 & H4430S2 LATIN III

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Latin II

Students in this course will read adapted selections of Roman authors and they continue to build towards mastery of Latin grammar and sentence structure. The subjunctive verbs will be heavily emphasized, as well as reading comprehension skills. Students will be encouraged to take the National Latin Exam in the spring.

H4440S1 & H4440S2 LATIN IV

Credit: 1 unit

Open to Grade: 12

Recommendation: Latin III

Students in this literature-based course will read selections of authentic Roman poetry and prose. Authors to be studied include Caesar, Catullus, and Ovid. Emphasis will be placed upon style and thematic elements in Latin literature. This course will also include a comprehensive grammatical review to prepare students for college level Latin classes. Students will be encouraged to take the National Latin Exam in the spring.

Note: This is a weighted grade course.

SPANISH

H4240S1 & H4240S2 SPANISH I

Credit: 1 unit

Open to Grades: 9-12

This course focuses on natural language acquisition through comprehensible input. An emphasis is placed on developing listening and reading (interpretative) skills. Instructors conduct the course using 90% target language. The goal is for each student to reach a Novice-Mid level per ACTFL's Proficiency Guidelines.

H4260S1 & H4260S2 SPANISH II

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Spanish I or Spanish in 8th grade

This course builds on the previous level's focus of natural language acquisition through comprehensible input. Students strengthen emerging speaking and writing skills, and continue to develop listening and reading proficiency. Instructors conduct the course using 90% target language. The goal is for each student to reach a Novice-High level per ACTFL's Proficiency Guidelines.

H4280S1 & H4280S2 SPANISH III

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Spanish II or Spanish in 7th and 8th grades

This course continues the work of the preceding level, adding explicit instruction of grammatical structures. Instructors conduct the course using 90% target language. The goal is for each student to reach an Intermediate-Mid level per ACTFL's Proficiency Guidelines.

H4300S1 & H4300S2 SPANISH IV

Credit: 1 unit

Open to Grades: 10-12

Recommendation: Spanish III

In this advanced intermediate-level course, students will build upon the linguistic framework they have learned in Spanish III, stressing new and practical vocabulary. Students will apply that knowledge to communicate in meaningful and real-life situations. This course is taught primarily in Spanish. Students are expected to participate verbally in Spanish daily. This course reviews past material extensively and covers a wide range of verb tenses and advanced grammar structures.

Note: This is a weighted grade course and College Credit is available through UMSL.

H4310S1 & H4310S2 SPANISH V

Credit: 1 unit

Open to Grades: 11-12

Recommendation: Spanish IV

This course is an advanced review of Spanish grammar with a strong emphasis on conversation and writing skills. Students will practice these skills in preparation for the AP Language Curriculum. *Note: This is a weighted grade course and college credit is available through UMSL.*

H4320S1 & H4320S2 SPANISH AP

Credit: 1 unit

Open to Grade: 12

Recommendation: Spanish V

This course will prepare students for the AP Spanish language exam. Emphasis will be placed on developing increasingly spontaneous speaking, listening, reading and writing skills. A variety of writing and speaking assignments will be required, as well as a thorough review of Spanish 1-5 grammar. The AP Exam is an option in the spring. The course is taught primarily in Spanish. *Note: This is a weighted grade course and college credit is available through UMSL.*

ENGLISH AS A SECOND LANGUAGE

H4491S1 & H4491S2 ENGLISH AS A SECOND LANGUAGE: ESL ACADEMIC LAB

Credit: 1 unit

Open to Grades: 9-12

Recommendation: Counselor approval

This academic lab is for students whose first language is not English. Students will have the opportunity to seek extra help for class work from other classes. Students

may also complete tests during this hour. As time allows, students will develop social skills, vocabulary, reading comprehension and speaking fluency.

****Note: Due to the sequential nature of world language learning, students will need to demonstrate mastery of the basic essentials at each level before being recommended to advance to the next level. We want all of our world language students to experience a challenging, yet rigorous classroom experience.***

Missouri Seal of Biliteracy & Distinguished Seal of Biliteracy

The Missouri Seal of Biliteracy (SOBL) and Distinguished Missouri Seal of Biliteracy is awarded to graduating high school students in school districts/charters with a DESE-approved program, who have demonstrated achievement in English, a Language Other Than English (LOTE) and sociocultural competence.

All Missouri students studying any of the world’s languages are potential Seal candidates. The SOBL has been recognized by various businesses, organizations, and institutions of higher education. A growing number of Missouri colleges and universities have committed to awarding credits to students earning the SOBL. Additional information may be found at

<https://dese.mo.gov/site/default/files/curr-eld-sobl-implemenation-guide.pdf>

English		
Criteria	Seal of Biliteracy	Distinguished Seal of Biliteracy
English II EOC	Proficient	Proficient/Advanced
ACCESS	4.0	4.7
ACT (coming soon)	18	21

Other		
Criteria	Seal of Biliteracy	Distinguished Seal of Biliteracy
Behavior	No violations	No Violations
Attendance	95%	99%
Club	2 years in WL Club	4 years in WL club

Languages other than English (LOTE)		
Criteria	Seal of Biliteracy	Distinguished Seal of Biliteracy
AP Language & Culture	3	5
STAMP4S	Intermediate Mid	Advanced Low

WGHS Requirements:

- Demonstrate good school attendance (95%/99%) and no behavior infractions.
- Earn the minimum score on the English II End-of-Course assessment (see chart above).
- Arrange to take the assessment (AP Exam or STAMP4S).
- Score 3 or higher (AP World Language Exam) **OR** Intermediate Mid or better (STAMP4S).
- Demonstrate socio-cultural competency. This must receive pre-approval from the World Languages Department Chair. Options including, but not limited to:
 - translation assisting community organization;
 - completion of community service project using both languages;
 - active participation in multicultural community events;
 - essay explaining how proficiency in both languages will help the student in her/his career and/or community
- Notify counselor and/or department chair of intent to establish the Seal of Biliteracy.

Once all requirements have been met, the seal will be applied to the student's official transcript.

SAMPLE FOUR YEAR PLAN

Subject Area	Credits Required	9th Grade	10th Grade	11th Grade	12th Grade
English Language Arts	4	Freshman Literature and Comp. Gifted ELA 9	World Literature and Comp. Honors World Lit. and Comp. AP English Seminar AP English Seminar (Gifted)	20th Century American Lit. AP English Language AP English Language (Gifted)	African American Lit. and Comp. Contemporary Lit. and Comp. ACC Emerging Voices AP English Literature AP English Literature (Gifted)
Math *dependent on previous credits earned	3	Algebra 1 Part 1 -> Algebra 1 Part 2 -> Geometry -> Algebra 2 or Algebra 2-Trigonometry Algebra or AMPED -> Geometry or Honors Geometry -> Algebra 2 or Algebra 2-Trigonometry->Algebra 3, Pre-Calculus, or Statistics and Probability Geometry or Honors Geometry -> Algebra 2, Algebra 2-Trig or Honors Algebra 2-Trig-> Pre-Calculus, Honors Pre-Calculus, Algebra 3, College Algebra, Intro to Calc, AP Statistics or AP Calculus Pre-Calculus, Honors Pre-Calculus, Algebra 3, College Algebra, Honors Algebra 2-Trig, or Statistics and Probability -> AP Statistics -> Honors Pre-Calculus -> AP Calculus			
Science	3	Biology Honors Biology	Chemistry Honors Chemistry	Conceptual Physics Physics AP Physics I and Science Electives	Science Electives
Social Studies	3	World Civilizations And Global Issues II AP Human Geography	US History AP/ACC US History	US Government or AP US Government and Social Studies Electives	Social Studies Electives
World Languages	0	French, German, Spanish 1, 2, 3, 4, 5, AP Latin 1, 2, 3, 4			
Fine Arts	1	Visual Arts, Music, Theatrical Arts			
Practical Arts	1	Business, FACS, Industrial Technology Personal Finance			
Physical Education and Health	1.5	Health and any two Physical Education Classes			
Electives	7.5	Elective credit is issued for any courses taken beyond the minimum requirement.			
Total	24	*Courses in bold are Missouri graduation requirements.			