



Maplewood Richmond Heights High School



## ACADEMIC Course Guide

2021-2022

7539 Manchester Road • Maplewood, Missouri 63143  
(314) 644-4401 • [www.mrhhsd.org](http://www.mrhhsd.org)

## A Letter from the Principal

Dear Students and Parents,

This 2021-2022 MRH High School course guide is a planning book developed to help students reach their occupational, educational and personal goals. A student's plan for graduation begins in the 8<sup>th</sup> grade and ends with post-secondary plans whether it is college, career, or in the military. It is our hope, that you will begin to discover your passion during your tenure with us, which will lead to your future career of choice.

The course guide notes the Missouri graduation requirements for all students. You will also notice many of our previous course offerings added back and new courses listed that will expand student opportunities to achieve more than just college credit or a certificate from South County Technical High School. A plan can now be created that allows students to earn an Associate's Degree through the Early College Program with St. Louis Community College, Computer Science Pathway and Business Pathway certifications through Project Lead the Way (PLTW), and on the job training experience through our advancing apprenticeship program and more.

After combining through the information in this guide and advice received from teachers, counselors and administrators, decisions about courses that provide students with the education they need for their future plans, are made. Students and parents are encouraged to use this guide as a reference throughout the school year. We encourage students and families to develop a four-year academic plan to guide students toward their post-graduation and career goals. It is important to select courses very carefully in the beginning of the high school career to fulfill that initial plan. Each year, the plan should be reviewed and adjusted to fit the current needs of the student.

Although the MRH High School's course guide has fairly definitive explanations of each course approved for offering, questions often arise about course content or graduation requirements. You are not alone on this journey and we have many qualified adults anxious to support you in this process. Please do not hesitate to discuss any questions you may have with your counselors, Mrs. Kravitz (9-10) and Mr. Harcharic (11-12), or your principals, Dr. Smith, Dr. Peyton-Nunnery and myself. We are here to offer as much support as you may need. If you have any questions about courses or scheduling, give us a call at 446-3800.

Your principal,

Dr. Grawer

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# Graduation Requirements

In order to graduate from Maplewood Richmond Heights High School, a student must have earned a minimum number of units of credit listed below, conform to all other requirements stated in this policy and applicable statutes, and have the recommendation of the principal. All credit must be earned from a school accredited by a State Department of Education or other recognized state agencies. Consideration may also be given to schools which have not yet met with the approval of the above agencies, provided the teacher certification and teaching standards set forth by the Handbook Classification and Accreditation of Public School Districts in Missouri are met.

## Graduation Requirements

Language Arts	4 units	
Social Studies	3.5 units	<i>State law requires students to earn a full credit in American History (20<sup>th</sup> Century or AP American History), a half unit in American Government, and pass tests on the Missouri and U.S. Constitution and Civics to graduate.</i>
Personal Finance	.5 units	
Mathematics	3 units	
Science	3 units	
Fine Art/Practical Art	3 units	<i>with at least one credit in each area</i>
Health	.5 units	
Physical Education	1.5 units	
Electives	5 units	
	19	TOTAL REQUIRED UNITS
	5	TOTAL ELECTIVE UNITS
	24	TOTAL GRADUATION UNITS

- Students are expected to know the above graduation requirements.
- Students should check carefully for courses, which have prerequisites.
- Students must choose elective subjects carefully.
- When students register for a full-year course, they must complete BOTH semesters.
- Program changes are not permitted after final registration except for approved reasons. These reasons include balancing class sizes, schedule error, failure of a prerequisite, need for specific graduation requirements, entry to specific programs, and changes in the master schedule.
- When in doubt, a student should see a Counselor, Advisor, or Principal.
- Students may choose courses, which may end up canceled later due to insufficient enrollment.

## Preparing for Post-MRH

The chart below shows the credits needed to be completed in each subject area to be considered for acceptance into two, four, selective, technical and military options after high school graduation. The numbers in each box represent the minimum credit requirement need from each content area. For example, to be considered for acceptance into a technical college a student must complete 4.0 credits of English classes. For each semester class taken and passed, a student is given a 0.5 credit towards fulfilling that content area. The most important criteria for college admissions are typically the rigor of a student's schedule. How much did a student challenge himself or herself? How well did the student do in those classes?

## College Admission Requirements

English	4 units (one of which may be speech or debate, 2 units emphasizing composition or writing skills are required)
Social Studies	4 units (including one unit of American History and one semester of Government and Law)
Mathematics	4 units (beginning with Algebra I)
Science	4 units (excluding general science, and one of which must be a laboratory course)
Visual/Performing Arts	1 unit
Electives	2 units from foreign language (two units of one foreign language are strongly recommended) and/or additional courses from English, mathematics, social studies, science and/or fine arts

		Minimum Core Courses	University of Missouri	Selective Colleges	Technical Colleges	Military
English	2 emphasize writing	4	4	4	4	4
Math	Algebra 1 or higher	3-4	4	4	2-4	3-4
Social Studies	Am. History and at least 1 semester of Govt.	3	3	4	3	3
Science	Lab courses	2-3	3	4	2-3	2-3
Foreign Language	At least 2 of the same language	2	2-4	4		2-4
Fine Arts	Visual, performing art, and/or music	1	1	1		
Practical Arts	Business, Publications, Internship or Computer	1	1	1	2-4	2-4

## NCAA

In addition to the college's or university's entrance requirements, a student planning to participate in Division I or II sports must be granted certification by the NCAA Initial Eligibility Clearinghouse. Students should begin the certification process near the end of the junior year in high school by completing an application online. A fee is involved in the registration process. A list of NCAA approved courses is available in the guidance department or online at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net)

# MRH High School 9-12th Grade Course Map

## English Course Map

Ninth	Tenth	Eleventh	Twelfth
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### Required English Courses:

English I Freshman Humanities (EOC Course) 1 Credit			
	English II Sophomore/World Am Studies (EOC Course) 1 Credit		
		English III Comp & 20 <sup>th</sup> Century Studies 1 Credit	
			English IV 1 Credit
			AP English Literature & Composition (W) 1 Credit

### Non-Departmental Support Elective Credits:

Ninth	Tenth	Eleventh	Twelfth
Literacy (Teacher Rec Required) 0.5/1 Credits	Literacy (Teacher Rec Required) 0.5/1 Credits	Literacy (Teacher Rec Required) 0.5/1 Credit	Literacy (Teacher Rec Required) 0.5/1 Credit

### English Elective Credits:

	Public Speaking 0.5 Credit		
		Examining the Young Adult Novel 0.5 Credit	
		English Seminar 0.5 Credit	

# Math Course Map

8th	Ninth	Tenth	Eleventh	Twelfth
<b>Required Math Courses:</b> (3 math credits must be completed in high school)				
<b>8th Grade Math</b>				
<b>Algebra I (EOC) 1 Credit</b>	<b>Algebra I (EOC) 1 Credit</b>			
	<b>Geometry (EOC) 1 Credit</b>	Geometry (EOC) 1 Credit		
		Algebra II (EOC) 1 Credit	Algebra II (EOC) 1 Credit	
			Pre-Calculus 1 Credit	Pre-Calculus 1 Credit
				AP Calculus I (W) 1 Credit
				AP Calculus II (W) 1 Credit
				AP Statistics (W) 1 Credit

## Non-Departmental Support Elective Credits:

Ninth	Tenth	Eleventh	Twelfth
Algebra Lab (Teacher Rec Required) 0.5/1 Credits	Geometry Lab (Teacher Rec Required) 0.5/1 Credits		

## Mathematics Elective Credits:

NAMS (0.5 Credit)
Introduction to Statistics (0.5 Credit)
Choice and Chance (0.5 Credit)

## AP Mathematics Elective Credits:

AP Statistics (W) 1 Credit
AP Calculus I (W) 1 Credit
AP Calculus II (W) 1 Credit

## Physical Education Course Map

Ninth	Tenth	Eleventh	Twelfth
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### Required PE Courses:

Fitness for Life 0.5 PE Credit 0.5 Health Credit	
	Additional PE elective from courses below 0.5 Credit

### Elective PE Courses

Focus on Fitness I & II 0.5/1 Credit Physical Education
Tactical Arts I & II 0.5/1 Credit Physical Education
Outdoor Adventure 0.5/1 Credit Physical Education
Strength Training 0.5 Credit
Health 0.5 Credit Health



## Science Course Map

Ninth	Tenth	Eleventh	Twelfth
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### Required Science Courses:

Intro to Physics 1 Credit		
	Chemistry 1 Credit	
		Biology: Exploring Multiple Scientific Perspectives <b>(EOC Course)</b> 1 Credit

### Science Elective Credits:

Ninth	Tenth	Eleventh	Twelfth
	Science Research (instructor approval) 1 Credit		
	Modern Physics 1 Credit		
		Exploring Environmental Sustainability 0.5/1 Credit	
		Human Body: Health & Fitness 0.5 Credit	
		Human Body: Growth & Development 0.5 Credit	

### AP Science Elective Credits:

	Advanced Placement Chemistry (W) 1 Credit
	Advanced Placement Biology (W) 1 Credit
	Advanced Placement Environmental Science (W) 1 Credit

## Social Studies Course Map

Ninth	Tenth	Eleventh	Twelfth
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### Required Social Studies Courses:

World History: Freshman Humanities 1 Credit			
	Sophomore World and American Studies 1 Credit		
		20 <sup>th</sup> Century Studies <b>(EOC Course)</b> 1 Credit	
		AP US History (W) 1 Credit	
		Government <b>(EOC Course)</b> 0.5 Credit	
		Personal Finance in Economics 0.5 Credit	

### Social Studies Elective Credits

Ninth	Tenth	Eleventh	Twelfth
		Psychology 0.5 Credit	
		AP World History (W) 1 Credit	
		Contemporary Issues 0.5 Credit	
		Historiography 0.5 Credit	
		African Studies 0.5 Credit	

# Foundations Course Map

Ninth	Tenth	Eleventh	Twelfth
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## English:

Foundations of English I 1 Credit	Foundations of English II <b>(EOC Course)</b> 1 Credit	Foundations of English III <b>(EOC Course)</b> 1 Credit	Foundations of English IV 1 Credit
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## Mathematics:

Foundations of Algebra I 1 Credit	Foundations of Geometry <b>(EOC Course)</b> 1 Credit	Foundations of Algebra II <b>(EOC Course)</b> 1 Credit	
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## Science:

Foundations of Physics 1 Credit	Foundations of Chemistry 1 Credit	Foundations of Biology <b>(EOC Course)</b> 1 Credit	
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## Social Studies:

Foundations of World History 1 Credit	Foundations Sophomore World and American Studies 1 Credit	Foundations of 20 <sup>th</sup> Century Studies 1 Credit	
		Foundations of Government <b>(EOC Course)</b> 0.5 Credit	

## Other:

Learning Strategies, Reading 1 Credit
Learning Strategies, Math 1 Credit
Learning Strategies, Social Skills 1 Credit
CBVI Community 1Credit
Foundations of Personal Finance 0.5 Credit

# Career Technical Education Course Maps

The CTE program consists of three pathways: Business Administration and Management, Business Information Technology and Project Lead The Way (PLTW) Computer Science. While students may take practical arts courses that do not have prerequisites for general elective credit, to be admitted into the CTE program, a GPA of 2.0 is required. These courses are open to all students who meet the GPA requirement regardless of gender, race/ethnicity, or disability.

## Business Information Technology: Graphic/Printing Pathway

Ninth	Tenth	Eleventh	Twelfth
Computer Applications 0.5 Credit			
Computer Arts Studio 0.5 Credit			
	Graphic/Photo Publications 0.5/1 Credit		
		Print Shop 0.5/1 Credit	
		MRH Publications 1 Credit	

## Business, Management, Administration Pathway

Ninth	Tenth	Eleventh	Twelfth
Introduction to Business 0.5 Credit			
Entrepreneurship 0.5 Credit			
	Business Communications 0.5 Credit		
	Marketing 0.5 Credit		
		Business Law (1 Credit in Business, Management, Administration Required) 0.5 Credit	
		Personal Finance in Business 0.5 Credit	
			Supervised Business Experience 1 Credit

## PLTW Computer Science Pathway

Ninth	Tenth	Eleventh	Twelfth
PLTW Computer Science Essentials 1 Credit			
	<i>PLTW Cybersecurity 1 Credit</i>		
	<i>PLTW Computer Science Principles 1 Credit</i>		
		<i>PLTW Computer Science A 1 Credit</i>	

## MO Career Certificate Criteria

In the State of Missouri students who meet certain requirements will earn a Career Certificate. The requirements for the CTE Certificate are as follows:

1. Meet all requirements set forth in state and local board of education policies related to earning a high school diploma.
2. Qualify as a career and technical education (CTE) concentrator. A CTE concentrator is defined as a student who has earned two or more credits in a sequence in any department-approved career education program area as defined on the student's Individual Career and Academic Plan (ICAP).
3. Maintain a minimum grade point average of 3.0 on a 4.0 point scale in the CTE area of concentration as defined on the student's personal plan of study.
4. Pass an approved Technical Skill Assessment (TSA) and/or earn an approved Industry-Recognized Credential or Certificate (IRC) aligned with the student's CTE area of concentration.
5. Complete a minimum of 50 hours of appropriate work-based learning experiences aligned with the student's CTE area of concentration. Work-based learning experiences may include Registered Apprenticeships, Cooperative Career Education programs, internships, clinical settings, job shadowing, entrepreneurial experiences, school-based enterprises, structured business/industry field trips, service learning or other opportunities that provide students with real-time, authentic work experiences.
6. Maintain at least a 95% attendance record overall for grades 9-12.
7. Demonstrate attainment of soft-skills/business skills. The requirement can be met in one of three ways:
  - Active participation in a Career and Technical Student Organization during the junior or senior year; or
  - Score at proficient or advanced level on a district-developed or adopted soft skill/ethics assessment during the junior and/or senior year; or
  - Three or more letters of recommendation, from at least three different business or industry employers or other individuals who have knowledge of the student and can assure that the student has a high level of soft-skill efficacy and is career ready. Letters may not be from a relative or student.
8. Achieve a score at or above the state standard on any department-approved measure(s) of college and career readiness, for example, the ACT®, SAT®, ACT WorkKeys®, or the Armed Services Vocational Aptitude Battery as determined in the most current MSIP performance standards. Schools are to use the .75 weighted measures described in the Assessment Scores Matrix as the standard. This matrix is found in Appendix C of the MSIP 5 Comprehensive Guide to the Missouri School Improvement Program, 2016.

## Special Programs

### Honors Option Program

The purpose of this program is to present an opportunity for academically talented students to earn honors credit. The course work is more in-depth, intensified, and demanding. Additional work requirements will be expected of students who are approved to take an Honors Option Course.

- The program is open to students with a minimum GPA of 3.0 in **previous courses taken in the subject area.**
- The student must receive endorsement from a previous teacher in the given department discipline. The principal must approve all applications.
- Students who are approved for honors credit will be expected to complete additional work in order to be eligible to receive a grade higher than C.
- See the counselor for a list of honors courses.

### Technical High Schools

For students who are interested in more technical/hands-on training, area technical schools offer Applied Technology courses of study. Good high school attendance and attention to courses are a must for this program.

**To Apply for Technical Training:** Complete the application at <http://southtechnical.org> and see your school counselor to discuss eligibility requirements.

**Technical Courses Are Taught At** South Technical High School (12721 W. Watson Rd, Sunset Hills, MO 63127)

**Technical Programs Are Offered As** two-year training option for juniors for half-day and one-year training option for seniors for half-day.

**South Tech School Program Offerings** can be viewed at <http://southtechnical.org>

### Project Lead The Way: Pathway to Computer Science



PLTW Computer Science engages students in real-world activities like creating an online art portal or using automation to process and analyze DNA-sequence data. These projects illustrate how intricately computer science is woven into our society, challenge students to apply computational thinking and logic to solve big problems, and transform students into builders of tech. This program includes multiple one-year courses. Course offerings include computer science essentials, cybersecurity, computer science principles and computer science A.

## Early Out Policy

The Maplewood Richmond Heights Board of Education has established the following policy for leaving school at the end of a student's seventh semester:

A diploma may be granted to seniors who leave high school after seven semesters with all requirements for graduation completed. Eligible students must request experience in a college or university, trade school, correspondence courses, armed forces, or "on the job" training. The diploma will be granted on the normal graduation date after the student has produced evidence to show that the agreement has been fulfilled. In no case will a diploma be awarded prior to the scheduled graduation date. Students approved for this program may participate in graduation ceremonies held at the end of the school year. Applications for early out must be made by the end of the first quarter of the seventh semester and must be approved by the counselor and the principal.

## Other Educational Options

Maplewood Richmond Heights High School recognizes that all students do not learn in the same manner or at the same pace, but that all students can learn. To that end the school offers a variety of educational options. Students may utilize these options, but are urged to do so only after consultation with parents, counselors and administrators.

### High School Equivalency Test (HiSET)

The State Department of Education may grant certificates of equivalency of high school graduation to those who successfully complete all five parts of the High School Equivalency Test. The HiSET tests involve comprehensive examinations in writing skills, social studies, science, reading skills, and mathematics. A person must meet one of the following requirements:

- Be 18 years of age or older.
- Be 17 years of age and out of school at least 6 months from the last day of school attendance.

When the HiSET Test is passed as part of high school program called Missouri Options, students receive a high school diploma issued by the school district rather than the high school. Admission to this program has additional requirements to those listed above for the state's issued High School Equivalency Certificate.

### High School Certificate of Attendance (Special School District students only)

When parents, students, and school staff agree that the student cannot achieve the degree of proficiency necessary to meet the graduation requirements, the student and parents shall apply in writing for the student to be placed in a program leading to a **Certificate of Attendance**. The school staff may recommend to the parent and the student that the student be placed in the program. The criteria that a student must meet to be placed in the **Certificate of Attendance** program are as follows:

- Placement should be made on entry into the ninth grade, but must be made prior to the fifth semester of high school attendance.
- A student's record and test scores indicate that a student will be unable to earn a diploma.
- The results of a staffing, Special School District evaluation, and recommendation indicate that the student be placed in the program.
- A program of studies is developed which will better meet the needs of the student.

## Credit through Other Educational Institutions

### High School Credit

Students are allowed high school credit for courses taken outside of Maplewood Richmond Heights High School **only** with prior written approval from the counselor and the principal.

#### Correspondence/Virtual Courses

Enrollment arranged in correspondence courses may be counted toward high school graduation requirements and are offered through programs such as Odysseyware Online Courses, American School Correspondence or Satellite High School.

Because virtual instruction can be an effective education option for some students, there may be courses available either through a district-provided virtual option or through the Missouri Course Access Program (MOCAP). More information about virtual courses can be found on our website at <https://www.mrhschools.net/curriculum/virtual-learning>.

#### Summer School

Summer school courses are designed to help students earn credit in required courses, which were not successfully completed during the school year. Some elective and enrichment courses are also available in summer school dependent upon interest and availability. Students should be aware that when additional courses are taken their cumulative grade point average could be affected. The principal, according to the following guidelines, may authorize credit earned in other districts:

- The course meets the requirements of DESE standard credit courses.
- The credit met the requirements for high school graduation of the MRH School District.
- The student has the approval of the principal in advance of enrollment.

### College Credit

Several programs for earning college credit while enrolled in high school are available to sophomores, juniors and seniors who qualify and receive the advance approval of the principal. Before enrolling for college credit, students should verify that the college or university they plan to attend would accept the credit. These enrichment classes will be accepted and recorded on the official transcript.

#### Advanced Placement (AP) Courses

Students may obtain advanced placement and/or college credit by taking advanced courses and successfully passing the AP exam. However, there are specific advanced courses, which will prepare students to be successful on the exam. "AP" notes these courses before the course name. Interested students should discuss AP options with the counselor and/or course instructor, as there are additional requirements in some areas. The College Board will charge students taking the AP exam a test fee. At present time, MRH High School covers the exam cost for students taking MRH High School AP Courses.

#### Advanced Credit Program (ACP)

The Advanced Credit Program is through the University of Missouri St. Louis (UMSL) and applies to 7 MRH High School Courses: Pre-Calculus, AP Biology, AP Calculus, AP English Literature, AP Statistics, AP Environmental and AP World History. The ACP Program allows students to earn UMSL credit while in high school for a small fee. Currently, the price per credit hour is \$64. College credit for these classes range from 3 to 6 credits per course.



## Dual Enrollment

College or dual enrollment courses offered and passed from a two- or four-year accredited institution as enrichment classes will be accepted and recorded on the official transcript. You may enroll at several local colleges for courses in lieu of high school courses while attending MRH. In most cases, the student must pay the costs or college credit. It is an excellent way to take upper level courses and receive college credit. It is an alternative to AP courses.

Please see the chart below for a listing of course available for college credit through UMSL, STLCC or SLU.

UMSL - ACP	STLCC	SLU - 1818
AP Biology AP Calculus I & II AP English AP Environmental Science AP Statistics AP World History Pre-Calculus Mathematics of Choice and Chance Historiography Public Speaking	Exploring Environmental Sust. Human Body	20th Century Studies American Government French III French IV Spanish II Spanish III Stage Band



## Early College Program Overview

The Early College Program is a dual enrollment program, which means students are enrolled in classes that satisfy both high school and college graduation requirements. Students will attend classes on the Meramec Campus of St. Louis Community College and are still allowed to participate in their high schools' extra-curricular activities. The 2-year program begins with a junior cohort group and continues through to the end of students' senior year.

The ultimate goal of the Early College Program is for students to graduate with a high school diploma as well as an Associate's Degree - General Transfer from St. Louis Community College STLCC (60 hours). While in college, students will gain access to all the resources provided through STLCC. Tuition and fees are covered by MRH, but books and transportation expenses are the students' responsibility. In order to be successful in the program, all students must maintain a C or better GPA in all classes and will receive on-going support from the MRH Early College liaison. **Current, interested 10<sup>th</sup> graders should contact their counselor for more information.**

# Missouri Career Pathways

The state of Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way. They include Arts and Communication, Business, Management and Technology, Health Services, Human Services/Transportation, Industrial and Engineering Technology, and Natural Resources and Agriculture. Missouri uses 16 Career Clusters as a way of organizing occupations and careers to assist educators in tailoring rigorous coursework and related activities for all students. The Career Clusters include all occupations, even those not usually found in career and technical education. Occupations within a Career Cluster are further grouped according to shared commonalities such as skill sets or common roles. This grouping is called a Career Pathway. Each cluster contains two to seven Career Pathways. Career Pathways assist educators in the development of a coordinated and non-duplicative sequence of courses that identifies both secondary and postsecondary education elements; includes challenging academic and career and technical education content; and culminates in one or more of the following: technical skill proficiency, a credential, a certificate, or a degree at the secondary or postsecondary level.

State Resources: <https://dese.mo.gov/college-career-readiness/career-education>



# Suggested Courses Based on Career Clusters

## Business, Management, and Technology

### Business, Management and Administration Cluster

Ninth	Tenth	Eleventh	Twelfth
Introduction to Business (.5 credit)			
Entrepreneurship (.5 credit)			
Business Communications (.5 credit)			
Marketing (.5 credit)			
Public Speaking (.5 credit)			
Business Law (.5 credit)			
Personal Finance in Business (.5 credit)			
Mathematics of Choice and Chance (.5 credit)			
Supervised Business Experience (1 credit)			

### Information Technology

Ninth	Tenth	Eleventh	Twelfth
Computer Applications (.5 credit)			
PLTW Computer Science Essentials (1 credit)			
Mobile Journalism (.5 credit)			
<i>PLTW Cybersecurity (1 credit)</i>			
<i>PLTW Computer Science Principles (1 credit)</i>			
<i>PLTW Computer Science A (1 credit)</i>			

## Health Services

### Health Science Cluster

Ninth	Tenth	Eleventh	Twelfth
Science Research (1 credit)			
Human Body: Health and Fitness (.5 credit)			
Human Body: Growth and Development (.5 credit)			
AP Biology (1 credit)			

\*South Tech offers EMT, Dental, Health, Pharmacy and Veterinary Sciences programs.

## Arts and Communication

### Arts, A/V Technology and Communications Cluster: Graphics/Printing

Ninth	Tenth	Eleventh	Twelfth
Computer Applications (.5 credit)			
Computer Arts Studio (.5 credit)			
Tech Aide			
Graphic/Photo Publications (.5/1 credit)			
Print Shop (.5/1 credit)			
MRH Publications (1 credit)			

### Drama

Ninth	Tenth	Eleventh	Twelfth
Theatre Performance I/Theatre Performance II (.5/1 credit)			
Tech Theatre: Scenic and Costumes (.5 credit)			
Advanced Theatre (1 credit)			
Advanced Technical Theatre: Design (1 credit)			
Theatre Studio: Directing (.5 credit)			

### Human Services

#### Human Services Cluster

Ninth	Tenth	Eleventh	Twelfth
Applied Cornerstones (.5 credit)			
Semester of Service (.5 credit)			
Psychology (.5 credit)			
Contemporary Issues (.5 credit)			

#### Law and Government/Public Administration Cluster

Ninth	Tenth	Eleventh	Twelfth
Applied Cornerstones (.5 credit)			
Semester of Service (.5 credit)			
Public Speaking and Debate (.5 credit)			
Business Communication (.5 credit)			
Psychology (.5 credit)			
Contemporary Issues (.5 credit)			
Business Law (.5 credit)			
Personal Finance in Economics (.5 credit)			

\*South Tech offers Law Enforcement and Firefighting programs.

#### Education and Training Cluster

Ninth	Tenth	Eleventh	Twelfth
Applied Cornerstones (.5 credit)			
Semester of Service (.5 credit)			
Public Speaking (.5 credit)			
Psychology (.5 credit)			
Contemporary Issues (.5 credit)			
Teacher Aide			

\*South Tech offers an Early Childhood Education program.

## Industrial & Engineering Technology

### Science, Technology, Engineering and Mathematics

Ninth	Tenth	Eleventh	Twelfth
	Science Research (1 credit)		
	Mathematics of Choice and Chance (.5 credit)		
	Modern Physics (.5/1 credit)		
		AP Chemistry (1 credit)	
		AP Calculus (1 credit)	
		AP Statistics (1 credit)	

\*South Tech offers an Electronics/Robotics Engineering program.

## Natural Resources Agriculture

### Agriculture, Food, and Natural Resources

Ninth	Tenth	Eleventh	Twelfth
	Outdoor Adventure (.5 credit)		
		Environmental Sustainability (.5/1 credit)	
		AP Environmental Science (1 credit)	

## School as Apprenticeship Internship Program

\*Internships can be done in any career cluster.

Ninth	Tenth	Eleventh	Twelfth
Into to Internship (.5 credit)			
	Internship On/Off Campus (.5 credit/1 credit)		

## Career Clusters at South Tech Only

Apply sophomore year and attend junior/senior year.

### Information Technology

Cisco Networking Academy, Web and Computer Programming

### Hospitality and Tourism Cluster

Culinary Arts

### Architecture and Construction

Carpentry, Electrical Trades, Floor Layers Middle  
Apprenticeship, Heating, Ventilation & Air Conditioning

### Manufacturing

Design & Entrepreneurship, Precision Machining, Welding

### Transportation, Distribution and Logistics

Auto Body, Automotive Technology



## MRH High School Schedule Changes and the Withdrawal Policy

Because of the extensive preparation the faculty and administration make to provide the curriculum offerings listed in this planning guide, the student is expected to maintain their course schedule for the entire school year.

### **Schedule changes are only permitted for one of the following three reasons:**

1. The class is either above or below the student's comprehension level as agreed to by the teacher, counselor, parent and student.
2. The student had the teacher in a previous class and failed.
3. The student had the teacher previously and there is a documented behavior conflict.
4. Attendance Issue. Student has missed too many attendance days due medical or truancy issues.

If a student wishes to drop a full year course and meets one of the above criteria a student must meet with the course teacher, administration, and school counselor to discuss their reasons for wanting to drop the course. Parent contact and support is also a requirement as part of each decision. Signatures of all parties is a requirement for course removal.

\_\_\_\_\_  
Student Signature / Date

\_\_\_\_\_  
Assistant Principal Signature / Date

\_\_\_\_\_  
Parent Signature / Date

\_\_\_\_\_  
Principal Signature / Date

\_\_\_\_\_  
Teacher Signature / Date

\_\_\_\_\_  
School Counselor / Date

# List of Courses by Department

The following is a list of courses by department.

Communication Arts							
Eligible Grade				Course Title	Course Length	Description Page #	
09				English I: Freshman Humanities*	Y	28	
	10			English II: Sophomore World/Am. Studies*	Y	28	
		11		English III*	Y	29	
			12	English IV*	Y	29	
		11	12	AP English Literature & Composition	Y	30	
		11	12	English Seminar	S	30	
		11	12	Examining Young Adult Novel	S	30	
	10	11	12	Public Speaking	S	31	

ESOL (English for Speakers of Other Languages)							
Eligible Grade				Course Title	Course Length	Description Page #	
09				ESOL I	Y	32	
	10			ESOL II	Y	32	
		11		ESOL III	Y	32	
			12	ESOL IV	Y	32	
09	10	11	12	ESOL in the Content Area	Y	33	

Fine Arts - Drama							
Eligible Grade				Course Title	Course Length	Description Page #	
09	10	11	12	Theatre Performance I (1 <sup>st</sup> semester)	S	34	
09	10	11	12	Theatre Performance II (2 <sup>nd</sup> semester)	S	34	
09	10	11	12	Tech Theatre: Scenic & Costumes	S	34	
	10	11	12	Advanced Theatre	Y	34	
		11	12	Theatre Studio: Directing	S	35	
		11	12	Advanced Technical Theatre Design	Y	35	

## Fine Arts - Music

Eligible Grade				Course Title	Course Length	Description Page #
09	10	11	12	History of Rock 'n' Roll	S	36
09	10	11	12	Vocal Conditioning	S	36
09	10	11	12	Concert Choir	Y	37
09	10	11	12	Jazz Improvisation	Y	37
09	10	11	12	Jazz Ensembles I & II	Y	37
09	10	11	12	Stage Band Vocals	Y	38
09	10	11	12	Stage Band	Y	38

## Fine Arts - Visual

Eligible Grade				Course Title	Course Length	Description Page #
09	10	11	12	Art I	Y	39
09	10	11	12	Art Applications	S	39
	10	11	12	Drawing (1 <sup>st</sup> semester)	S	39
	10	11	12	Ceramics (2 <sup>nd</sup> semester)	S	39
		11	12	Art Studio	Y	40
			12	Advanced Art	Y	40

## Foreign Language

Eligible Grade				Course Title	Course Length	Description Page #
09	10	11		French I	Y	41
09	10	11	12	French II	Y	41
	10	11	12	French III	Y	42
		11	12	French IV	Y	42
09	10	11		Spanish I	Y	43
09	10	11	12	Spanish II	Y	43
09	10	11	12	Spanish III	Y	44
	10	11	12	AP Spanish Language and Culture	Y	44



## Mathematics

Eligible Grade				Course Title	Course Length	Description Page #
09				Algebra I *	Y	45
09	10	11		Geometry*	Y	45
	10	11	12	Algebra II and Honors Algebra II*	Y	46
		11	12	Pre-Calculus	Y	46
		11	12	NAMS (1 <sup>st</sup> semester)	S	47
		11	12	Introduction to Statistics (2 <sup>nd</sup> semester)	S	47
		11	12	AP Calculus I	Y	47
		11	12	AP Calculus II	Y	48
		11	12	AP Statistics	Y	48
		11	12	Mathematics of Choice and Chance	S/Y	49

## Non-Departmental Electives

Eligible Grade				Course Title	Course Length	Description Page #
	10	11	12	ACT Prep: Communication Arts	S	50
09				Algebra Lab	S/Y	50
09	10			Geometry Lab	S/Y	50
09	10	11	12	Literacy	S/Y	51
09	10	11	12	Applied Cornerstones	S	51
09	10	11	12	Semester of Service	S	51
09	10	11	12	EQ – Social Emotional Learning	S/Y	52

## Non-Credit Electives

Eligible Grade				Course Title	Course Length	Description Page #
09	10	11	12	Academic Lab - NO CREDIT	S/Y	53
09	10	11	12	Math or Literacy Study Hall - NO CREDIT	S/Y	53
			12	Office/Guidance/Library Aide - NO CREDIT	S/Y	53
		11	12	Sustainability Aide	S	54
		11	12	Teacher Aide – NO CREDIT	S/Y	54
09	10	11	12	Tech Aide - NO CREDIT	S/Y	54
09	10	11	12	Study Hall 9/10 & 11/12	S/Y	54

## Physical Education

Eligible Grade				Course Title	Course Length	Description Page #
09				Fitness for Life*	Y	55
	10	11	12	Health	S	55
	10	11	12	Focus on Fitness I & II	S	55
	10	11	12	Tactical Activities I & II	S/Y	56
	10	11	12	Outdoor Adventures	S	56
	10	11	12	Advanced Athletics	S/Y	56
	10	11	12	Strength Training	S/Y	56

## Practical Arts

Eligible Grade				Course Title	Course Length	Description Page #
09	10	11	12	Computer Applications (1 <sup>st</sup> semester)	S	57
	10	11	12	Computer Art Studio (2 <sup>nd</sup> semester)	S	57
	10	11	12	Graphic / Photo Publications	S	58
		11	12	MRH Print Shop	S/Y	58
		11	12	MRH Publications	Y	59
09	10	11	12	Mobile Journalism	S/Y	59
09	10	11	12	Intro to Business (1 <sup>st</sup> semester)	S	60
09	10	11	12	Entrepreneurship (2 <sup>nd</sup> semester)	S	60
	10	11	12	Marketing	S	60
	10	11	12	Business Communications (1 <sup>st</sup> semester)	S	61
		11	12	Business Law (2 <sup>nd</sup> semester)	S	61
		11	12	Personal Finance: Business	S	61
		11	12	Supervised Business Experience: Business	Y	62
09	10	11	12	Introduction to Internship	S	62
	10	11	12	Internship On Campus	S/Y	62
		11	12	Internship Off Campus	S/Y	63
09	10	11	12	PLTW Computer Science	Y	63

## Science

Eligible Grade				Course Title	Course Length	Description Page #
09				Intro to Physics*	Y	64
	10			Chemistry*	Y	64
		11	12	Biology: Exploring Mult. Scientific Pers. *	Y	65
	10	11	12	Science Research	Y	65
	10	11	12	Modern Physics	Y	66
		11	12	Eco-Act	S/Y	66
		11	12	Environmental Sustainability	S/Y	66
		11	12	Human Body: Health and Fitness	S	67
		11	12	Human Body: Growth and Development	S	67
		11	12	AP Chemistry	Y	68
		11	12	AP Biology	Y	68
		11	12	AP Environmental Sustainability	S	69

Social Studies							
Eligible Grade				Course Title	Course Length	Description Page#	
09				World History: Freshman Humanities*	Y	70	
	10			Sophomore World and American Studies*	Y	70	
		11	12	20 <sup>th</sup> Century Studies*	Y	71	
		11	12	Psychology	S	71	
		11	12	Contemporary Issues	S	71	
		11	12	Historiography	S	72	
		11	12	African Studies	S	72	
		11	12	Personal Finance in Economics *	S	72	
		11	12	American Government*	S	73	
		11	12	AP World History	Y	73	

Special Education							
Eligible Grade				Course Title	Course Length	Description Page #	
09	10	11	12	Foundations of English I-IV	Y	74	
09				Foundations of World History	Y	75	
	10			Foundations of Sophomore World/American History	Y	75	
		11		Foundation of 20 <sup>th</sup> Century Studies	Y	75	
		11	12	Foundations of Government	S	76	
09				Foundations of Algebra	Y	76	
	10			Foundations of Algebra II	Y	77	
		11		Foundations of Geometry	Y	77	
			12	Foundations of Personal Finance	S	77	
09				Foundations of Physics	Y	78	
	10			Foundations of Chemistry	Y	78	
		11	12	Foundations of Biology	Y	78	
09	10	11	12	Learning Strategies	Y	79	
09	10	11	12	CBVI Community	Y	79	

# Course Descriptions

## Communication Arts

### **English I: Freshman Humanities** (Required)

**Grade Level Placement: 09**

1 Unit/Y    Prerequisite: None    Credit Type: English (ENG)

*NCAA Approved Course*

English I emphasizes developing proficiency in reading, writing and critical thinking in order to prepare students for higher level English courses. Students explore a variety of literature to develop an appreciation for the complexity of human communication. Students also learn and review literary devices and reading strategies. This course is linked with the social studies World History offering; English I is taught as a humanities course.

**This course has a required End of Course Exam, which must be taken by all high school students prior to graduation.**

**Honors Option Available:** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.)

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### **English II: Sophomore American Studies** (Required)

**Grade Level Placement: 10**

1 Unit/Y    Prerequisite: English    Credit Type: English (ENG)

*NCAA Approved Course*

English II continues to develop students' abilities and enjoyment in speaking, reading and writing. The course includes a regular schedule of essays, including literary analysis, persuasive writing, research writing and a variety of creative pieces. Students continue to experience writing as a process including pre-writing, preparing a rough draft, revising and editing. In addition, students develop research skills, study vocabulary in context and improve ACT grammar skills. Students participate in sustained silent reading and extensive reading in short stories, novels, poetry, drama, and cross-cultural non-fiction. This course is linked with American History.

**Students will take the English II End of Course Exam at the completion of this course. This required exam must be taken by all high school students prior to graduation.**

**Honors Option Available:** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.) Students who choose honors options are required to read more rigorous texts as well as complete more extensive writings.

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## **English III** (Required)

### **Grade Level Placement: Recommended Grade Level Placement 11**

1 Unit/Y    Prerequisite: English I and II    Credit Type: English (ENG)

#### *NCAA Approved Course*

English III students develop their skills in all stages of the writing process. They draft, conference, edit, polish, and submit their finished writing for publication. They keep a writing notebook and identify topics of interest to them. Students learn to read as writers and how to use specific literary techniques in their own work. Students study English grammar, usage, mechanics, and syntax as a way to improve their writing. They read a variety of twentieth and twenty-first century world literature independently, in small groups, and as a whole class. Students learn to improve their reading skills through direct instruction in the cognitive processes involved in reading and also study literary techniques as they function in literature. Students write literary analysis, learn to integrate research into their writing, and continue to advance their skills as readers, writers, speakers, listeners, and viewers and producers of texts.

**Honors Option Available:** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.) Students who choose honors options are required to read more rigorous texts as well as complete more extensive writings.

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## **English IV** (Required)

### **Grade Level Placement: 12**

1 Unit/Y    Prerequisite: English I, II and III    Credit Type: English (ENG)

#### *NCAA Approved Course*

English IV serves as the capstone for seniors by providing the communication and time management skills needed to succeed in post-secondary settings, including college and the workplace. During the first semester, students will participate in the Capstone Project, a four-part project consisting of a research paper, product, portfolio, and presentation. The culminating event is Capstone Night, where students have the opportunity to present their projects to a panel of community members. Students will also prepare college application essays, professional letters and technical writing. The second semester focuses on analysis and college level writing in response to literature. Students will read plays, short stories and poetry, with an emphasis on classic and American authors. This class or AP English is required for graduation.

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## Advanced Placement English Literature and Composition (W)

### Grade Level Placement: 12

1 Unit/Y Prerequisite: "B" average in previous English classes recommended. Credit Type: English (ENG)  
**This class can be taken in place of English IV at MRH High School.**

#### *NCAA Approved Course*

AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through writing, close reading, and class discussion of selected literary texts from the sixteenth to the twentieth century, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students write a college admissions essay in the fall and extensive literary analysis throughout the year. They take the AP English Literature exam in the spring, and with a qualifying score, have the opportunity to earn college credit at participating institutions.

The University of Missouri-St. Louis offers students who take this course the opportunity to earn 3 college credit hours per semester (6 credits are possible for the year). Students electing to earn college credit will need to pay a small fee to UMSL.

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## English Seminar

### Grade Level Placement: 11, 12 or Instructor approval

1/2 Unit/S Spring Prerequisite: None Credit Type: English (ENG)

#### *NCAA Approved Course*

English Seminar varies in content focus from year to year and is offered during the spring semester. In all years, students explore how past events can impact the future. This course guides students on a journey of their personal experiences, while analyzing the ideas of symbolism and theme. This course also uses literature to develop an understanding of complex issues in society.

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## Examining the Young Adult Novel

### Grade Level Placement: 11, 12 or Instructor approval

1/2 Unit/S Fall Prerequisite: None Credit Type: English (ENG)

#### *NCAA Approved Course*

In this class, students read high quality, award-winning fiction that is relevant, well written and compelling. Students research the literary elements of the successful young adult novel and keep track of their findings. The class uses the results of their study to create a model of a successful young adult novel. Students then use this model to guide them as they write their own piece of fiction. Students explore opportunities for publishing their work.

---

## Public Speaking

**Grade Level Placement: 10, 11, 12**

1/2 Unit/S    Prerequisite: None    Credit Type: English (ENG)

### *NCAA Approved Course*

Public Speaking and Debate introduces students to classical skill of public speaking with an emphasis on its use in professional and civic settings. Students will learn and perform the organizational and research skills necessary for presentation content and the delivery skills for basic public speaking. Students will create and perform extemporaneous comments about community issues, persuasive and informative speeches, and structured debates on issues of public concern. Students will also learn critical listening and analysis skills.

The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 3 college credit hours per year in College Algebra. Students electing to earn college credit will need to pay a small fee to UMSL.

## English for Speakers of Other Languages (ESOL)

### ESOL I

**Grade Level Placement: 09**

1 Unit/Y Prerequisite: ACCESS entrance exam, very limited spoken English, and prior school's transcripts  
Credit Type: English (ENG)

This course provides English acquisition skills to newcomers to this country. Student with no prior English background will be taught English acquisition for listening, reading, writing and eventually speaking.

---

### ESOL II

**Grade Level Placement: 10**

1 Unit/Y Prerequisite: ACCESS level is high beginner to intermediate level, passed ESOL I  
Credit Type: English (ENG)

The course provides English acquisition skills to students scoring as beginners or intermediate levels, typically a student after one year in the program.

---

### ESOL III

**Grade Level Placement: 11**

1 Unit/Y Prerequisite: ACCESS level is high intermediate to advanced level, passed ESOL II, or based on school transcripts  
Credit Type: English (ENG)

This course provides English acquisition skills to students scoring as high intermediate to advance on the ACCESS assessment. Typically, a student been in the program multiple years and/or has been tested with ACCESS.

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### ESOL IV

**Grade Level Placement: 12**

1 Unit/Y Prerequisite: ACCESS level is high advanced to proficient, passed ESOL III, or based on school transcripts  
Credit Type: English (ENG)

This course provides English acquisition skills to students scoring as high advanced to proficient on the ACCESS assessment. Typically, it is offered to the student in the program after three years who is preparing to transition from being an active ESOL student to a monitored ESOL student.



## **ESOL in The Content Area**

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y    Prerequisite: Has been tested with ACCESS and/or based on prior school's transcripts and/or need for support in current content area classes.

Credit Type: Elective (ELEC)

This course provides English acquisition skills to students across all curricular areas. Student develop learning strategies and skills to be successful throughout their high school course work.

---

## Fine Arts - Drama

### Theatre Performance I

**Grade Level Placement:** 09, 10, 11, 12

1/2 Unit/S Prerequisite: None Credit Type: Fine Arts (FA)

This course explores acting and what it takes to perform on stage. Throughout the semester, students engage in the basics of voice and movement, improvisation, characterization techniques, and scene work. This is an active class full of performance opportunities!

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### Theatre Performance II

**Grade Level Placement:** 09, 10, 11, 12

1/2 Unit/S Prerequisite: Theatre Performance I Credit Type: Fine Arts (FA)

This class is an extension of Theatre Performance I for students that want to continue “shining” onstage. Students deepen their study of acting; exploring characterization and different acting theories, as well as tackling directing, and working on a one-act play to be performed in May. Students enrolled in this course perform in the spring Performance II one-act plays. This class is for the serious actor.

---

### Technical Theatre: Scenic & Costumes

**Grade Level Placement:** 09, 10, 11, 12

1/2 Unit/S Prerequisite: None Credit Type: Fine Arts (FA)

This class is for students interested in theatre, but who would never be caught *on stage* alive. Students learn about the important backstage roles of costume and scenic designer. Throughout the semester, students explore design techniques and implement them by designing and creating sets and costumes for various plays. Students will also get their hands dirty learning basic elements of set construction.

---

### Advanced Theatre

**Grade Level Placement:** 10, 11, 12

1 Unit/Y Prerequisite: Two semesters of theatre courses (any combination) Credit Type: Fine Arts (FA)

Throughout the year students study a variety of significant pieces of theatre, encompassing a number of performance styles from different time periods and world locations. Besides reading, analyzing, critiquing, and performing theatre, students also explore playwriting, and the development of new theatre.

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## **Theatre Studio: Directing**

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: Teacher approval Credit Type: Fine Arts (FA)

In this second semester independent course, students work as a production director. They are involved in organizing, managing and directing a semester ending production.

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## **Advanced Technical Theatre: Lighting, Sound, and Makeup Design**

**Grade Level Placement: 10 (with instructor approval), 11, 12**

1/2 Unit/S Prerequisite: A or B in Technical Theatre Credit Type: Fine Arts (FA)

Students will study both design theory and practical application of theatrical lighting, sound, and makeup. Students will demonstrate their learning of these key areas of technical Theatre by designing and producing the lights, sound, and potential makeup for one of our spring HS one acts in conjunction with the Theatre Two acting course. Students will also create a portfolio of their makeup designs complete with photographs of themselves with different styles of stage makeup to be displayed at the HS one acts.

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## Fine Arts - Music

The choral music ensembles at MRH middle and high schools perform a variety of styles, musical periods, and cultures in performances that typically fit within an overall theme. Frequently, the choirs perform pieces that are specifically written for them. William Chiles and Sasha Johnson Manning are the most recent composers to write original compositions for MRH. The students give several school, community and off-campus performances each year. In addition to the course offerings, students can participate in a contemporary a cappella group that meets before and/or after school.

### History of Rock 'n' Roll

**Grade Level Placement: 09, 10, 11, 12**

1/2 Unit/S Prerequisite: None Credit Type: Fine Arts (FA)

This course will look at the history of Rock 'n' Roll beginning with the roots in the 1950s through present day. Students will learn to listen analytically to music comparing sounds and styles and making connections to musical evolution. Students will also explore how society shaped the development and evolution of Rock 'n' Roll and conversely how Rock 'n' Roll shaped society.

---

### Vocal Conditioning

**Grade Level Placement: 09, 10, 11, 12**

1/2 Unit/S 1 Unit/Y Prerequisite: None Credit Type: Fine Arts (FA)

This course is intended to help students with an interest in singing, specifically solo singing, improve their skills. This course welcomes students of all levels and musical background. Students will select one or two styles of singing they wish to study throughout the course of the semester. Options will include popular music, Broadway, Jazz and art/classical as well as other genres students wish to study. Students will spend the semester learning music literacy and developing healthy vocal technique as it pertains to their chosen genre(s). Advanced music students and students on a performance driven path will have the opportunity to fine-tune their musicianship, and build a collection of performance and audition repertoire. Beginning students and those with an interest in singing but not necessarily a desire to perform will have the opportunity to build skills necessary to become independent singers with healthy technique so they may enjoy a lifetime of singing.

---

## Concert Choir

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: None Credit Type: Fine Arts (FA)

The MRH Concert Choir is for students who wish to rigorously study vocal/choral music. Emphasis is placed on vocal technique and music theory, with in-class and public performances as an outgrowth of classroom work. The MRH Concert Choir frequently performs throughout the community and extracurricular time is required. Additionally, students of this ensemble are expected to audition for the St. Louis Suburban All-District Choir.

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## Jazz Improvisation

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: Audition Credit Type: Fine Arts (FA)

Jazz Improvisation is a continuation of the band program from the previous level and is designed for students who have played a band instrument for at least two years. Students are evaluated on participation/effort, attitude, behavior, attendance, the development and improvement of technical skills, musicianship, and theory. Topics of study include ear training, music theory, development of listening skills, sight-reading and instrumental performance techniques. Jazz Improvisation is designed to build upon the musical and performance skills students have acquired and to further develop the knowledge, skills and attitude that are required to perform in a variety of musical arrangements. The focus of this course is on performance techniques and music literacy. Public performances are given as a culmination of this study and are a requirement of the course.

---

## Jazz Ensembles I & II

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: Two years of middle school band (or must audition) and instructor approval  
Credit Type: Fine Arts (FA)

These performing groups are select instrumental ensembles comprised of up to 20 students each who generally have at least 2-3 years of experience on the saxophone, trumpet, trombone, piano, electric guitar, bass guitar, or drums. Students delve into jazz improvisation and a variety of different styles such as swing, blues, shuffles, Latin, fusion, and rock/funk. Students receive personal instruction primarily in aspects of tone, instrumental technique, and styles respective to their instruments. Participation in dress rehearsals and performances outside the school day is required. Students must supply their own instruments, except for drums and keyboard; amplifiers are provided at school.

These courses provide basic instruction in jazz-related rhythm, tone, style, concept, listening skills, woodwind-doubling possibilities, and improvisation. The ultimate goal of these ensembles is to give interested students an opportunity to study and perform jazz ensemble literature.

---

## Stage Band Vocals

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: Instructor approval Credit Type: Fine Arts (FA)

This course will be co-taught at the same time as Stage Band. All Stage Band vocalists will be required to take this course. Focus of this course will be vocal technique in a rock band setting and singing background harmonies with a rock band.

---

## Stage Band

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: Audition required; Open to vocalists & rhythm section musicians with prior experience  
Credit Type: Fine Arts (FA)

This ensemble will perform rhythm and blues, folk, rock, jazz, gospel, soul and other pop music styles with emphasis placed on developing ensemble playing, as opposed to developing individual improvisational skills. This ensemble may be composed of the traditional “big band” instrumentation – saxophones, trumpets, trombones, rhythm section, and augmented with non-traditional instruments. This music performance class features the Rhythm & Blues Band, the school rock band that involves some of the school’s finest instrumentalists and vocalists. The main focus of the band is to provide engaging and inspiring music at school and community events. In addition, over the past several years, the group has been able to expand its musical repertoire and perform at a variety of other venues, such as: Maplewood’s Concert for a Cause, Taste of Maplewood, and the National School Boards Association Conference in New Orleans, LA. Students must supply their own instruments except for drums and keyboards; amplifiers are provided at school. All students will be expected to memorize all of their music and choreography.

*This class is also offered for advanced credit through the 1818 ACC at St. Louis University. Students will earn 3 credit hours for an entire year of French III. Students must have a 3.0 GPA in order to participate. Students electing to earn college credit will need to pay a small fee to SLU.*

---

## Fine Arts - Visual

### Art I

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: None Credit Type: Fine Arts (FA)

In this beginning art class, students study the elements of design, line, color, shape, and texture through work in different areas of art, such as drawing, painting, graphic design, ceramics, and calligraphy.

---

### Art Applications

**Grade Level Placement: 09, 10, 11, 12**

1/2 Unit/Y Prerequisite: None Credit Type: Fine Arts (FA)

Students in this yearlong class are expected to exhibit creativity and the ability to work as a "team player." Art Applications concentrates on graphics without a computer. Projects will include homecoming decorations, illustrating a children's book, and block printing. Students will work extensively on lettering and fonts and become an expert with an X-Acto knife

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### Drawing

**Grade Level Placement: 10, 11, 12**

1/2 Unit (Fall Semester) Prerequisite: None Credit Type: Fine Arts (FA)

This semester class focuses extensively on drawing. Subject matter ranges from still life to figure drawing to portraiture and creative imagery. Shading will be emphasized. Mediums used will be pencil, conte crayon, pen and ink, and colored pencil.

---

### Ceramics

**Grade Level Placement: 10, 11, 12**

1/2 Unit (Spring Semester) Prerequisite: None, although Drawing is suggested. Credit Type: Fine Arts (FA)

In this semester course in hand-built pottery, students study three types of building methods (pinch pot, coil pot, and slab method). A variety of textures and glazes are stressed. Grades, based on a project critique, are given at the end of 3rd quarter. Each project will be assessed 4<sup>th</sup> quarter. Craftsmanship and construction will be highly emphasized.

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## **Art Studio**

**Grade Level Placement: 11, 12**

1 Unit/Y Prerequisite: Art I or Drawing and Ceramics and instructor approval Credit Type: Fine Arts (FA)

Students study specialized areas such as graphic design, illustration, painting, and drawing. Class projects stress drawing and sculpture. Students must have demonstrated the ability to work responsibly and independently and have a good attendance record.

---

## **Advanced Art**

**Grade Level Placement: 12**

1 Unit/Y Prerequisite: Art I, Studio, Drawing and Ceramics and instructor approval Credit Type: Fine Arts (FA)

Students choose an area of specialization for independent work, possibly drawing, ceramics or print making. Teachers provide specific problems in their chosen field of specialization. Critique meetings between students and instructor are arranged at a specified time. Student assessment is based on initiative, creativity, talent, and self-motivation.

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## Foreign Language

### French I

**Grade Level Placement: 09, 10, 11**

1 Unit/Y    Prerequisite: “C” or above in English course or allowed by teacher recommendation  
Credit Type: Foreign Language (FL)

*NCAA Approved Course*

Students are introduced to French and learn vocabulary, verbs on topics concerning personal identification, leisure activities, family life, education, meal taking, community and neighborhood, house and home and earning a living. Upon successful completion of this course, students read material in French at an elementary level, understand French when it is spoken at a normal rate of speech and when it focuses on basic topics already studied, manipulate verbs in the present tense, and write short paragraphs in French. Instructional strategies include presentation of the structure of the language, structured and free conversation, pattern drills, writing and reading exercises, pronunciation practice, games, projects and the completion of the units of material to indicate mastery. Students in French I are exposed to the importance of becoming members of a diverse and increasingly global society. Through cultural study, field trips, technology and guest speakers, students have the opportunity to interact with the French people and their culture.

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### French II

**Grade Level Placement: 9, 10, 11, 12**

1 Unit/Y    Prerequisite: French I “C” or better required or allowed by teacher recommendation  
Credit Type: Foreign Language (FL)

*NCAA Approved Course*

This course is a continuation of French I. On successful completion of this course, students are able to talk about an array of topics in French and to manipulate verbs in the various tenses (present, past, the present progressive, and command forms). Students give and receive information, socialize, express feelings, and persuade others using the present and past tenses. They are also able to read material in French on an intermediate level, and understand spoken French when it is spoken at a normal rate of speech and when focused on topics already studied. The instructional strategies include a further presentation of the structure of the language, structured and free conversation, pattern drills, writing and reading exercises, pronunciation practice, games, projects, and the completion of the units of material to indicate mastery. Students in French II are exposed to the importance of become members of a diverse and increasingly global society. Through cultural study, field trips, technology and guest speakers, students have the opportunity to interact with French people and their culture. The majority of communication is in French by both the teacher and the students.

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## French III

### Grade Level Placement: 11, 12

1 Unit/Y Prerequisite: French II “C” or better required or allowed by teacher recommendation  
Credit Type: Foreign Language (FL)

#### *NCAA Approved Course*

The French III class is conducted almost exclusively in French. The study of the four basic skills (writing; reading; speaking; listening) continues with a strong emphasis on conversation and Francophone culture on three continents, supporting increased fluency and global awareness. Because the study of basic grammatical principles and verb tenses is nearly completed by the end of level III, students learn to refine the conditional and future tenses, si clauses and the subjunctive mood. Students study the history and culture of various French speaking regions throughout the world to better connect with the French speaking countries and the United States. French III students communicate more freely and creatively in the French language. At the end of French III, students become proficient in using the language to understand and communicate in a variety of different situations. Prerequisites for French III are a 70% or better in French II and I.

*This class is also offered for advanced credit through the 1818 ACC at St. Louis University. Students will earn 3 credit hours for an entire year of French III. Students must have a 3.0 GPA in order to participate. Students electing to earn college credit will need to pay a small fee to SLU.*

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## French IV

### Grade Level Placement: 11, 12

1 Unit/Y Prerequisite: French III “B” or better required or allowed by teacher recommendation  
Credit Type: Foreign Language (FL)

#### *NCAA Approved Course*

This course is a continuation and culmination of French I, II, and III. The French IV course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The French IV course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions), practices (patterns of social interactions within a culture), and perspectives (values, attitudes, and assumptions). The French IV course is structured around six themes: • Beauty and Aesthetics • Contemporary Life • Families and Communities • Global Challenges • Personal and Public Identities • Science and Technology. Themes facilitate the integration of language, content, and culture and promote the use of the language in a variety of contexts. The themes may be combined, as they are interrelated.

*This class is also offered for advanced credit through the 1818 ACC at St. Louis University. Students will earn 3 credit hours for the fall semester and 3 credit hours for the spring semester for a combined 6 credits. Students must have a 3.0 GPA in order to participate. Students electing to earn college credit will need to pay a small fee to SLU.*

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## Spanish I

**Grade Level Placement: 09, 10, 11**

1 Unit/Y     Prerequisite: "C" or above in English course or allowed by teacher recommendation  
Credit Type: Foreign Language (FL)

*NCAA Approved Course*

Students are introduced to Spanish and learn vocabulary, verbs on topics concerning personal identification, leisure activities, family life, education, meal taking, community and neighborhood, house and home, and earning a living. On successful completion of this course, students are able to read material in Spanish at an elementary level, understand Spanish when it is spoken at a normal rate of speech and when conversation is on basic topics already studied, manipulate verbs in the present tense, and write short paragraphs in Spanish. Instructional strategies include presentations on the structure of the language, structured and free conversation, pattern drills, writing and reading exercises, pronunciation practice, games, projects and the completion of the units of material to indicate mastery. Students in Spanish I are exposed to the importance of becoming members of a diverse and increasingly global society. Through cultural study, field trips, technology and guest speakers, students have the opportunity to interact with people who speak Spanish and their culture. This is the first class in the high school Spanish trajectory to potentially earn the Seal of Biliteracy.

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## Spanish II

**Grade Level Placement: 9, 10, 11, 12**

1 Unit/Y     Prerequisite: Spanish I "C" or better required or allowed by teacher recommendation  
Credit Type: Foreign Language (FL)

*NCAA Approved Course*

This course is a continuation of Spanish I. On successful completion of this course, students are able to talk about an array of topics in Spanish, and to manipulate verbs in the various tenses (present, past, the present progressive, and command forms). Students give and receive information, socialize, express feelings, and persuade others using the present and past tenses. Students read material in Spanish on an intermediate level, and understand spoken Spanish when it is spoken at a normal rate of speech and when conversation is on topics already studied. Instructional strategies include presentation of the structure of the language, structured and free conversation, pattern drills, writing and reading exercises, pronunciation practice, games, projects, and the completion of the units of material to indicate mastery. Students in Spanish II are exposed to the importance of becoming members of a diverse and increasingly global society. Through cultural study, field trips, technology and guest speakers, students have the opportunity to interact with people who speak Spanish and their culture. The majority of communication is in Spanish by both the teacher and the students. This is the second class in the high school Spanish trajectory to potentially earn the Seal of Biliteracy.

*This class is also offered for advanced credit through the 1818 ACC at St. Louis University. Students will earn 3 credit hours for an entire year of Spanish II. Students must have a 3.0 GPA in order to participate. Students electing to earn college credit will need to pay a small fee to SLU.*

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## Spanish III

**Grade Level Placement: 9, 10, 11, 12**

1 Unit/Y Prerequisite: Spanish II “B” or better required or allowed by teacher recommendation

Credit Type: Foreign Language (FL)

### *NCAA Approved Course*

This course is a continuation of Spanish I & II. On successful completion of the course, students can converse about an array of topics in Spanish and manipulate verbs in the various tenses (present, past, the future, the conditional, the present subjunctive, the present progressive and the command forms). Students understand most spoken Spanish when it is spoken at a normal speed and deals with topics already studied. Almost all communication is in Spanish by both the teacher and students. Students read material in Spanish on an intermediate to advanced level. The readings help students enhance comprehension, acquire vocabulary, and conduct spur discussion; students write reflections and/or answer comprehension questions after the readings. Students in Spanish III are exposed to the importance of becoming of a diverse and increasingly global society. Through cultural study, field trips, technology and guest speakers, students have the opportunity to interact with Spanish people and their culture. The instructional strategies include a further presentation of the structure of the language, structured and free conversation, pattern drills, writing and reading exercises, pronunciation practice, games, projects, and the completion of the units of material to indicate mastery. Upon successful completion of this course, students will be eligible to take the Spanish assessment to potentially earn the Seal of Biliteracy.

*This class is also offered for advanced credit through the 1818 ACC at St. Louis University. Students will earn 3 credit hours for the fall semester and 3 credit hours for the spring semester. Students must have a 3.0 GPA in order to participate. Students electing to earn college credit will need to pay a small fee to SLU.*

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## AP Spanish Language and Culture

**Grade Level Placement: 10, 11, 12**

1 Unit/Y Prerequisite: Spanish III “B” or better or allowed by teacher recommendation

Credit Type: Foreign Language (FL)

### *NCAA Approved Course*

This course is a continuation of Spanish I, II, and III. The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students’ awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions), practices (patterns of social interactions within a culture), and perspectives (values, attitudes, and assumptions). Upon successful completion of this course students will be eligible to take the Spanish assessment to potentially earn the Seal of Biliteracy. The AP Spanish Language and Culture course is structured around six themes: • Beauty and Aesthetics • Contemporary Life • Families and Communities • Global Challenges • Personal and Public Identities • Science and Technology. Themes facilitate the integration of language, content, and culture and promote the use of the language in a variety of contexts. The themes may be combined, as they are interrelated. Upon successful completion of this course, students will be eligible to take the Spanish assessment to potentially earn the Seal of Biliteracy.

## Mathematics

### **Algebra I** (Required)

**Grade Level Placement: 09**

1 Unit/Y Prerequisite: None Credit Type: Math (MATH)

*NCAA Approved Course*

The goal of this course is to combine an understanding of the fundamentals of mathematics with the manipulative skills based on that understanding. The topics included are basic Algebra concepts such as solving linear equations, graphing and writing linear functions, introduction to statistics and probability, polynomial functions, quadratics and exponential functions. This courses gives students a strong foundation of Algebra skills necessary for their success in future math classes and prepares them for the state Algebra end of course exam.

**Students will take the Algebra I End of Course Exam at the completion of this course. This required exam must be taken by all high school students prior to graduation.**

**Honors Option Available:** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.) The Honors Algebra I option is designed for the student with exceptional ability and interest in mathematics. Students will develop concepts, techniques and theory in greater depth than the Algebra I course. The basic algebra I course is expanded with more challenging assessments, exercises, and threaded discussions that allow students to explore and connect algebraic concepts.

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### **Geometry** (Required)

**Grade Level Placement: 09, 10**

1 Unit/Y Prerequisite: Passed Algebra I or permission from instructor Credit Type: Math (MATH)

*NCAA Approved Course*

This course focuses on key topics that provide a strong foundation in the essentials of geometry. Students study points, lines, planes and their relationships. The course includes the study of triangles, quadrilaterals, polygons, circles and parallel lines. The discovery of a logical proof by the student is stressed. Along with geometry concepts, there is a strong review of algebra topics throughout the course.

**EOC Required for this course.**

**Honors Option Available:** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.) Geometry will focus on writing proofs. Students will be engaged in more in-depth, complex algebra problem solving skills. The thinking required includes critical analysis, justification and rigorous detail.

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## **Algebra II** (Required)

**Grade Level Placement: 10, 11, 12**

1 Unit/Y Prerequisite: Passed Algebra I and Geometry Credit Type: Math (MATH)

*NCAA Approved Course*

This course is recommended for all students, and is essential for college bound students who intend to start in College Algebra. Algebra II is the study of equations and their corresponding graphs. The course begins by expanding on linear and quadratic functions from Algebra I, and then introduces five new equation families: polynomials, radicals, exponentials, logarithms, and rational functions. In addition to the in-depth study of these equations, students will be exposed to an overview of probability, statistics, and data analysis.

**EOC required for this course.**

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## **Honors Algebra II**

**Recommended Grade Level Placement: 10, 11**

1 Unit/Y Prerequisite: B+ or better in Algebra I, Geometry credit, and teacher recommendation  
Credit Type: Math (MATH)

*NCAA Approved Course*

This course is designed for students who intend to take Pre-Calculus and AP Calculus while in high school. Algebra II is the study of equations and their corresponding graphs. The course begins by expanding on linear and quadratic functions from Algebra I, and then introduces five new equation families: polynomials, radicals, exponentials, logarithms, and rational functions. In addition to an in-depth study of these equations, students will master skills related to probability, statistics, data analysis, matrices, and trigonometry. The pace of this course is significantly faster than that of Algebra II, and the overlapping units between the courses will be covered in much more depth, with additional emphasis on the proof and derivation of key theorems and formulas.

**EOC is required for this course.**

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## **Pre-Calculus**

**Grade Level Placement: 10, 11, 12**

1 Unit/Y Prerequisite: "C" or better in Honors Algebra II (does not include C-), or a B or better in Algebra II  
Credit Type: Math (MATH)

*NCAA Approved Course*

This course is designed for students that have completed Algebra II and who wish to be prepared for college level math. Topics include coordinate geometry, polynomials, functions, logarithms, trigonometry, vectors and determinants, sequences, probability and statistics, and an introduction to Calculus. The complete course is two semesters in length.

*The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 3 college credit hours per year in College Algebra. Students electing to earn college credit will need to pay a small fee to UMSL.*

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## Numbers and their Applications in Math & Science (NAMS)

**Grade Level Placement: 11, 12**

1/2 Unit/S (1<sup>st</sup> Semester) Prerequisite: Completion of Algebra and Geometry Credit Type: Math (MATH)

*This course is **NOT** NCAA Approved.*

Students are exposed to concepts in set theory and logic, financial applications, number systems and trigonometry. This semester course is offered twice an academic year. It is geared toward juniors and seniors in need of an additional half-credit in math.

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## Introduction to Statistics

**Grade Level Placement: 11, 12**

1/2 Unit/S (2<sup>nd</sup> Semester) Prerequisite: Completion of Algebra and Geometry (with a C or better in all courses)  
Credit Type: Math (MATH)

*NCAA Approved Course*

This semester course provides an introduction to the fundamentals of statistics for college bound students. Students are expected to master the computational aspects of the subject and develop expertise in the solution of problems dealing with the basic statistical principles.

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## Advanced Placement Calculus I AB (W)

**Grade Level Placement: 11, 12**

1 Unit/Y Prerequisite: "B" or better in Pre-Calculus must meet MRH AP requirements and expectations and approval from Pre-Calculus instructor  
Credit Type: Math (MATH)

*NCAA Approved Course*

Calculus is a course designed for the advanced math student who is interested in the fields of engineering, mathematics, economics, or science and who is interested in receiving college credit through the passing of an AP examination. Topics covered are an in-depth examination of functions and graphs, limits, differentiation and its applications, integration and its applications, sequences and series, and the use of graphing calculators in mathematics and its applications. This course is comparable to the first course of college calculus.

*The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 5 college credit hours per year. Students electing to earn college credit will need to pay a small fee to UMSL.*

## Advanced Placement Calculus II BC (W)

UMSL course: Math 1900 Analytic Geometry and Calculus I

### Grade Level Placement: 11, 12

1 Unit/Y Prerequisite: “B” or better in Calculus I (AB) must meet MRH AP requirements and expectations and approval from Calculus I (AB) instructor

Credit Type: Math (MATH)

#### *NCAA Approved Course*

This is a college-level calculus course designed to meet the Advanced Placement curricular requirements for Calculus BC (equivalent to one year of college calculus). The major topics of this course are limits, derivatives, integrals, the Fundamental Theorem of Calculus, and series. We will investigate and analyze course topics using equations, graphs, tables and words, with a particular emphasis on a conceptual understanding of calculus. Applications, in particular to solid geometry and physics, will be studies where appropriate.

The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 5 college credit hours per year. Students electing to earn college credit will need to pay a small fee to UMSL.

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## Advanced Placement Statistics (W)

### Grade Level Placement: 11, 12

1 Unit/Y Prerequisite: “C” or better in Pre-Calculus, or at least a “B” in Algebra 2 and instructor approval; must meet MRH AP requirements and expectations

Credit Type: Math (MATH)

#### *NCAA Approved Course*

AP Statistics is the high school equivalent of an introductory college statistics course. In this course, students will develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. The content covered in this class falls into four main categories as defined by the College Board: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. To develop effective statistical communication skills, students will frequently be required to prepare written and oral analyses of real world data.

The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn college credit hours per year. Students electing to earn college credit will need to pay a small fee to UMSL.

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## Mathematics of Choice and Chance

**Grade Level Placement: 11, 12**

1/2 Unit/S 1 Unit/Y Prerequisite: 3.0 GPA, 2.5 GPA with approval, Algebra 2 recommended  
Credit Type: High School Math (MATH) / College Philosophy

*NCAA Approved Course*

This course provides an introduction to inductive logic and the theory of probability. The concept of probability is all around us and is involved in decisions we make concerning our finances, educations, relationships, and health, among other things. However, despite its importance, human beings are often susceptible to basic mistakes about what probability statements mean. In this course we will present the theory of probability in an organized and systematic way, so as to avoid those common mistakes, and provide tools for more effective decision-making. We will introduce the probability calculus, basic concepts of utility theory, decision theory and different approaches to understanding probability. This course is designed to be accessible to students of all levels and is the ideal course for anyone who plans on ever making a decision. The main objective is to teach students how to understand and critically evaluate the meaning of probability statements. Students will learn how to use mathematical systems designed to calculate probabilities. While doing so, students will learn how to apply these formal systems in real-life contexts and situations. Students will also be taught to think reflectively on the meaning of probability and the role it plays in their lives.

*The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 3 college credit hours. Students electing to earn college credit will need to pay a small fee to UMSL.*

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## Non-Departmental Electives

### ACT Prep: Communication Arts

**Grade Level Placement:** 10, 11, 12

1/2 Unit /S Prerequisite: None Credit Type: Elective (ELEC)

ACT Prep is a one semester course offering students an opportunity to improve their ACT Scores. Students with a projected ACT Test Score between 14 and 18 tend to be the best served in this course. The focus is on the English and Reading portions of the test, as well as other college-prep activities. Students in this class also register for the ACT Test at the end of the semester in which the student takes this course. MRH School District pays for students who take this course to take the ACT Test at the completion of this course.

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### Algebra Lab

**Grade Level Placement:** 09

1/2 Unit/S 1 Unit/Y Pass/Fail Prerequisite: Instructor recommendation Credit Type: Elective (ELEC)

This course is intended to provide support to concurrent Algebra I concepts. It consists of a variety of activities designed to reinforce analytical thinking, problem solving, and reading and writing skills required for success in Algebra courses. While emphasizing skill development, the course also reviews the core math content standards. It supports the work that all students must complete in the Algebra/Physics courses designed for grade 9. It is assigned to students that need help to continue through 4 years of math at MRH High School. This support class provides the means for all students to succeed.

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### Geometry Lab

**Grade Level Placement:** 09, 10

1/2 Unit/S 1 Unit/Y Pass/Fail Prerequisite: Instructor recommendation Credit Type: Elective (ELEC)

This course supports the work that students must complete in the Geometry course designed for Grade 10. It is assigned to students that need help to continue through 4 years of math at MRH High School. This semester long course covers both semester 1 and semester 2 geometry topics and may be taken both semesters. Students identify areas in Geometry where they struggle. They develop and follow a plan for improving their understanding of those particular topics. Students have additional time to practice and study current Geometry concepts in order to boost confidence and skill. This support class provides the means for all students to succeed.

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## **Literacy**

**Grade Level Placement: 09, 10, 11, 12**

1/2 Unit/S or 1 Unit/Y Prerequisite: Teacher/Administrator/Counselor recommendation  
Credit Type: Elective (ELEC)

This class provides students with instruction on reading skills and strategies that are valuable for them as they prepare themselves for success in high school, college, and careers. The course is intended for struggling readers. Instruction and skills in the course are tailored to the needs of each student's reading ability level.

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## **Applied Cornerstones**

**Grade Level Placement: 09, 10, 11, 12**

½ Unit/S Prerequisite: None Credit Type: Elective (ELEC)

Applied Cornerstones is an introductory survey course that examines the following core values: leadership, stewardship, citizenship, and scholarship. Students will discover how these values translate into school and post-secondary success while further developing the skills that help them interact effectively with other people in a variety of settings. Students will have the opportunity to think critically about social change and responsibility, define strengths, and develop goal setting skills. Students reflect on experience, celebrate their hard work, and showcase their work in the community. The course expands on presentation skills practiced in Cornerstone Connections, and will be facilitated through a combination of various readings, student inquiry presentations, extemporaneous and impromptu current-event-related class discussion, service learning, and other relevant course assignments.

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## **Semester of Service**

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: None Credit Type: Elective (ELEC)

Semester of Service is a student-initiated extended service-learning experience. Students start the semester identifying a community need related to a district-determined theme. They then develop community partnerships while becoming experts on their issue through self-initiated inquiry. Students develop a strategy for change, plan a service project, promote it through print and media, recruit volunteers, and coordinate a large-scale service event. Students reflect on the experience, celebrate their hard work, and showcase their project in the community and at national learning conferences. In addition to their Semester of Service project, students will participate in a variety of smaller theme-related service projects throughout the semester. This is a rigorous course that requires high performance and self-initiated project work. Participation in professional conferences and events outside school required.

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## **EQ – Emotional Quotient: Social Emotional Learning**

**Grade Level Placement: 09, 10, 11, 12**

½ Unit/S or 1 Unit/Y Prerequisite: SAGE Program Credit Type: Elective (ELEC)

EQ is a course delivered through the SAGE program. Students will develop skills related to self-awareness, social-awareness, self-management, relationship skills, and responsible decision making\*. Both the environment as well as the instruction will strengthen school connection, develop coping skills and strategies, establish healthy relationships, and meet personal and social needs. Collectively, these components connect to each of the four cornerstones (scholarship, leadership, stewardship, and citizenship) and enhance students' social and emotional skills. \*CASEL Core SEL Competencies

## Non-Credit Electives

### Academic Lab

**Grade Level Placement:** 09, 10, 11, 12

NO CREDIT Prerequisite: Teacher/Administrator/Counselor recommendation

Offered Both Semesters / Not to be Substituted for Credit

This non-credit opportunity provides students with targeted assignment support in core content areas with core content teachers.

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### Math or Literacy Study Hall

**Grade Level Placement:** 09, 10, 11, 12

NO CREDIT Prerequisite: Teacher/Administrator/Counselor recommendation

Offered Both Semesters / Not to be Substituted for Math, English or Elective Credit

*This non-credit support course* is designed to provide students an opportunity to work on their math or literacy skills with an instructor and peers. The students will have time to ask questions and receive support on their assignments. The teacher may do some pre-teaching or re-teaching of the content as needed.

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### Office Aide/Guidance Aide/Library Aide

**Grade Level Placement:** 12

NO CREDIT Prerequisite: Approval of principal and on track for graduation

This non-credit course provides students with an opportunity to work as an aide at the high school level. Each student may participate in performing clerical tasks, running errands, and helping in the office, guidance office, or media center. Candidates cannot have any deficiencies in required courses, must have exhibited good school citizenship, and have the willingness to help.

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## **Sustainability Aide**

**Grade Level Placement: 11, 12 or teacher approval**

NO CREDIT Prerequisite: Approval of principal and on track for graduation

This opportunity is intended for students interested in participating in district and building wide sustainability initiatives. Students apply their knowledge and participate in projects to help them deepen their understanding of environmental processes and being stewards of the earth. This non-credit class is ideal for the involved, motivated student who wants to participate in sustainability activities, but is not available after school. Candidates must exhibit good school citizenship.

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## **Teacher Aide**

**Grade Level Placement: 11, 12**

NO CREDIT Prerequisite: Instructor approval

This opportunity allows serious students to explore the teaching methods needed to work in teaching. With the permission of the cooperating teacher, students choose to work for a semester or more with a teacher in their classroom as an aide. Students are assigned a teacher who places them in courses to work as "Mentors/Tutors". In some cases, students might have the opportunity to lead mini-lessons. Students help other students develop skills in their assigned curriculum area while strengthening their own skills related to the subject and class where they are working. This course has select openings and times that change with the instructor's needs and student capabilities. Instructor approval is required for all Teacher Aide opportunities.

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## **Tech Aide**

**Grade Level Placement: 09, 10, 11, 12**

NO CREDIT Prerequisite: Technology department approval

This non-credit opportunity allows students to work as an aide at the high school technology help desk. These students utilize information technology to perform tasks to aid in the ongoing support of teachers and students. Students also provide assistance for all or any technology needs of the MRH School District.

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## **Study Hall 9/10 & 11/12**

**Grade Level Placement: 09, 10, 11, 12**

NO CREDIT Prerequisite: None

This non-credit opportunity allows students to work on assignments at school under the supervision of a teacher.

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## Physical Education

### **Fitness for Life** (Required)

**Grade Level Placement:** 09

1 Unit/Y Prerequisite: None Credit Type: PE/Health

This required course integrates topics of health and physical education as it introduces students to a wide variety of sports and recreational physical activities. Students experience a sampling of activities to examine their interests while maintaining a healthy fitness level and studying the basic concepts necessary for healthy living. It addresses significant problems of personal, social, emotional, mental, and physical growth. This class includes contemporary topics and discussion of drug abuse, human development, sexually transmitted infections, ecological problems, and community and family relations.

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### **Health** (Required for students who have not had a full year of Fitness for Life)

**Grade Level Placement:** 10, 11, 12

1/2 Unit/S Prerequisite: None Credit Type: Health

This is a required course if health requirements aren't completed in a full-year, integrated physical education/health class. This class studies significant problems of personal, social, emotional, mental, and physical growth. It includes contemporary topics and discussion of drug abuse, human development, sexually transmitted infections, ecological problems, and community and family relations.

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### **Focus on Fitness I**

**Grade Level Placement:** 10, 11, 12

1/2 Unit/ Fall Prerequisite: None Credit Type: PE

This course is taught during 1<sup>st</sup> semester and introduces concepts to students. All units will focus on cardiovascular activity and flexibility, strength and endurance, and body composition.

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### **Focus on Fitness II**

**Grade Level Placement:** 10, 11, 12

1/2 Unit/ Spring Prerequisite: None Credit Type: PE

This course is taught during 2<sup>nd</sup> semester taking students to an advanced level of cardiovascular activity, flexibility, strength, and endurance, and body composition.

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## **Tactical Activities I & II**

**Grade Level Placement: 10, 11, 12**

1/2 Unit/S or 1 Unit/Y Prerequisite: None Credit Type: PE

This course develops students' game sense and provides practice playing concept-based games. All units focus on flexibility, cardiovascular, strength, endurance, and body composition.

During the school year four different units (due to facility usage and weather) are explored. Although this is a semester long class, students may sign up for both semester as different units are being taught. (Tactical Activities I is offered in the Fall and Tactical Activities II is offered in the Spring Semester)

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## **Outdoor Adventure**

**Grade Level Placement: 10, 11, 12**

1/2 Unit/S Prerequisite: None Credit Type: PE

This is a semester co-ed course which focuses on providing additional experiences with team-building, environmental science, and orienteering. Students participate in a variety of outdoor activities. Field experiences are scheduled to support student learning.

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## **Advanced Athletics**

**Grade Level Placement: 10, 11, 12**

1/2 Unit/S or 1 Unit/Y Prerequisite: None Credit Type: PE

This gender specific course is designed for students wanting a challenging physical education class. Training principles and nutrition are emphasized, along with opportunities to improve physical conditioning performance. Students receive training in mental skills.

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## **Strength Training**

**Grade Level Placement: 10, 11, 12**

1/2 Unit/S Prerequisite: Fitness for Life Credit Type: PE

MRH Weight Training course is a class designed to improve and create opportunities to increase performance skills through cardiovascular endurance, flexibility, muscular strength and endurance. Training principles and nutrition will be emphasized in this course. Building off previous knowledge taught in the 9th grade Fitness for life course, lessons will be focused on application of training principles, Olympic lifts, agility training, core conditioning, and speed enhancement. Students will analyze their current fitness levels and set goals that are designed to increase their performance.



## Practical Arts

### Computer Applications

*Business Information Technology Pathway*

**Grade Level Placement:** 09, 10, 11, 12

1/2 Unit/S Prerequisite: None Credit Type: Practical Arts (PA)

Offered: Fall Semester Only

This semester long course is designed to teach general computer operations and applications. Topics studied during Quarter 1 include GSuite systems, word processing, spreadsheets, and desktop publishing for a business setting. Focus also includes the development of workplace readiness skills. Quarter 2 focuses on HTML and CSS web design. Students can use the skills and concepts from this course for personal development of online and computer skills whether in the classroom or in a business.

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### Computer Art Studio (CAS)

*Business Information Technology Pathway*

**Grade Level Placement:** 09, 10, 11, 12

1/2 Unit/S Prerequisite: Computer Applications or instructor approval Credit Type: Practical Arts (PA)

Offered: Spring Semester Only

This semester long course introduces students to the field of graphic design and provides students opportunities to explore visual communication techniques using the same tools professional graphic designers use, with a focus on Adobe Illustrator. Students learn the basics of manipulating graphics on the computer; the use of type, color, and space to create appealing and informative compositions; and how to meet the expectations of clients who seek their services. This course also designs various projects as needed for the MRH District allowing students to begin to develop a portfolio of work.

Students should purchase a USB flash drive for use in this course.

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## **Graphic / Photo Publications**

*Business Information Technology Pathway*

**Grade Level Placement: 10, 11, 12**

1/2 Unit/S Prerequisite: CAS (Computer Art Studio) Credit Type: Practical Arts (PA)

This semester long course is designed for students who have a basic grasp of computer application technology and graphic manipulation. The course will use various graphic editors with an emphasis on Photoshop. Photography is an indispensable tool for photographers, designers, and all other creative professionals, as well as students. Photography skills are developed in addition to ways to Photoshop the work. Core skills covered include working with layers and selections, adjusting, manipulating and retouching photos, painting, adding text and more. The students are expected to design, create and complete an Independent Study Project by the end of the semester expanding on their portfolio of work.

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## **MRH Print Shop**

*Business Information Technology Pathway*

**Grade Level Placement: 11, 12**

½ Unit/S 1 Unit/Y Prerequisite: CAS and Graphic/Photo Publications with a “C” or better  
Credit Type: Practical Arts (PA)

This course is designed for students who are experienced in graphic desktop publishing. It applies the skills from Computer Applications, Computer Art Studio, and Graphic/Photo Publications by having students serve the district with various printing jobs while learning advanced techniques and tools. Students solve design problems from the perspective of a graphic designer working with a team of skilled professionals through a number of projects. Students are expected to design, create and complete several projects that meet the parameters of the customer. Students will continue to develop their portfolio.

Students should purchase a USB flash drive for use in this course.

**Students in this course take Missouri Information Technology Sequence #2 Test to receive a certificate for their technical skills.**

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## **MRH Publications**

*Business Information Technology Pathway*

### **Grade Level Placement: 11, 12**

1 Unit/Y     Prerequisite: CAS & Graphic/Photo Publications with a “C” or better     Credit Type: Practical Arts (PA)

Offered: Fall Semester and Spring Semester Full Year Requirement

This course gives students an opportunity to learn about publication by participating in all facets of MRH publication needs. Students are exposed to theme development; photography; advertising; merchandising; layout and design; copy, caption and headline writing; interviewing; surveying; proofreading; using computers and other concrete skills involved in creating a publication. In addition, students learn to accept responsibility for publishing, including developing budgets, timetables and scheduling for production. By working with deadlines and cooperating in a group effort toward the completion of a common goal, this course requires responsibilities outside the classroom such as taking photographs, creating original MRH Publications, and creating projects like the MRH Yearbook, event tickets, programs, and the MRH Literary Magazine to meet demanding deadlines. Soliciting advertisements and yearbook sales are a component of this business class. Grade includes participation in class as well as ad/subscription sales. Students will continue to develop their portfolio. The position of editor is closed to anyone attending South County Tech.

**Students in this course take Missouri Information Technology Sequence #2 Test to receive a certificate for their technical skills.**

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## **Mobile Journalism**

### **Grade Level Placement: 09, 10, 11, 12**

1/2 Unit/S or 1 Unit/Y     Prerequisite: A teacher approval and interview required     Credit Type: Practical Arts (PA)

This semester course, (MOJO) introduces students to new trends in video productions and news reporting. Students learn how to create short video segments about current events happening at MRH using a combination of small HD cameras, microphones, and laptops. These short videos will be for publication on the school YouTube channel as well as for the Yearbook augmented and virtual reality pages. In addition to the technical skills involved, students collaborate and use journalism techniques that include storyboarding, script writing, and interviewing. This course demands creativity, reliability, and responsibility. Additionally, as part of the coursework, students are expected to cover events after school hours as assigned.

## **Intro to Business**

*Business, Management and Administrative Pathway Course*

**Grade Level Placement: 09, 10, 11, and 12**

1/2 Unit/S (1<sup>st</sup> Semester) Prerequisite: None Credit Type: Practical Arts (PA)

This semester-long course is designed to help students develop personal and workplace skills in the areas of business operations, entrepreneurship, economic awareness, consumerism, careers in business, and forms of business ownerships. The course covers computational and rational skills essential for students as they become citizens, consumers, employees and employers. An exploration of financial statements and elements of organizations is conducted as students work to solve business related problems and learn about emerging careers and economies in the business world.

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## **Entrepreneurship**

*Business, Management and Administrative Pathway Course*

**Grade Level Placement: 09, 10, 11, and 12**

1/2 Unit/S (2<sup>nd</sup> Semester) Prerequisite: None Credit Type: Practical Arts (PA)

This course explores the role of entrepreneurial business in the United States and the impact on the national and global economy. Characteristics of an entrepreneur are highlighted and explored: skills, attitudes, and commitment are necessary to create and successfully operate a business venture. This course provides training on key elements of a business plan. Emphasis is placed on the challenges and rewards of entrepreneurship as a career choice. Key projects for the semester include "High School Food Court" and "MRH Shark Tank".

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## **Marketing**

*Business, Management and Administrative Pathway Course*

**Grade Level Placement: 10, 11, and 12**

1/2 Unit/S Prerequisite: None Credit Type: Practical Arts (PA)

Marketing is a fast-paced class that introduces students to the marketing principles that begin with the creation of the product and its journey to the final destination, which is the consumer. The class content includes units of study in personal selling, advertising and promotion, distribution, pricing, management, entrepreneurship and career exploration. The college and/or career bound student enhances his/her chances to succeed by understanding the role marketing plays in his/her life. Students will work in teams with a local marketing firm to solve authentic marketing problems and develop skills valuable to the workplace.

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## **Business Communications**

*Business, Management and Administrative Pathway Course*

**Grade Level Placement: 10, 11, and 12**

1/2 Unit/S (1<sup>st</sup> Semester) Prerequisite: None Credit Type: Practical Arts (PA)

Business Communications is a course of communications skills needed in the business environment. Course content includes writing memoranda, letters, reports, resumes, and electronic messages; delivering oral presentations; and developing interpersonal skills. Critical thinking and problem solving skills are emphasized. Development of these skills is integrated with the use of technology.

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## **Business Law**

*Business, Management and Administrative Pathway Course*

**Grade Level Placement: 11 and 12**

1/2 Unit/S (2<sup>nd</sup> Semester) Prerequisite: 1 Credit in Business Pathway Credit Type: Practical Arts (PA)

This course explores the legal environment in which businesses operate and studies the interaction between business and the legal system. Students examine various areas of the law, which are integral to operating a business enterprise. Topics include contracts, torts, agency, Uniform Commercial Code, ethical and criminal implications of business actions, property laws, and the legal aspects of different business entities.

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## **Personal Finance: Business**

*Business, Management and Administrative Pathway Course*

**Grade Level Placement: 11 and 12**

1/2 Unit/S Prerequisite: 11<sup>th</sup> or 12<sup>th</sup> Grade standing Credit Type: Practical Arts (PA)

This course presents essential knowledge and skills to make informed decisions about real-world financial issues. Students learn how choices influence occupational options and future earnings potential. Students also learn how to apply decision-making skills to evaluate spending, saving, and credit decisions and how to make effective use of income to achieve personal success

**Meets Missouri “Personal Finance” requirement.**

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## **Supervised Business Experience: Business**

*Business, Management and Administrative Pathway Course*

### **Grade Level Placement: 12**

1/2 Unit/S Prerequisite: 2 Credits in Business, Administration pathway, concurrent business class  
Credit Type: Practical Arts (PA)

The Supervised Business Experience (SBE) program is a workplace learning experience, which is an extension of the business education classroom. The SBE program provides on-the-job work experience that gives students the opportunity to master academic and workplace skills. Students make connections with real world expectations in terms of accuracy of work, production, staying on task, responsibility for work—all components which are stressed in the classroom setting. The work experience reinforces the importance of interpersonal skills, which gives students a forum to develop positive workplace experiences as they enter the workforce or prepare for continued education. The SBE program facilitates the transition from the classroom to the workplace. Current employment is recommended with a minimum of 10 hours per week.

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## **Introduction to Internship**

### **Grade Level Placement: 09, 10, 11, 12**

1/2 Unit/S Prerequisite: None Credit Type: Practical Arts (PA)

The course is designed to help students develop a professional identity online and in the workplace in preparation for internship placement. The curriculum will include activities, surveys, assignments, and research related to future career placements. Students will write resumes, practice interviewing skills, develop a concept of work ethic and work narrative, and study workplace behavior expectations. The course will include an analysis of profit vs. non-profit business models. Students will learn to develop professional communications—phone, email protocol, business letters, LinkedIn profiles and other social media tools. Students will interview selected professionals in their field of interest, perform job shadowing, build a LinkedIn network, and do survey work for a potential internship placement.

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## **Internship On Campus**

### **Grade Level Placement: 10, 11, 12**

1/2 Unit/S or 1 Unit/Y Prerequisite: Introduction to Internship or instructor permission Credit Type: Practical Arts (PA)

Students will complete an internship placement on campus. The course will focus on an individualized workplace learning plan developed with a mentor, course teacher, and the student. Interns will give a presentation of their learning at each marking period, track successive approximations of career duties for their position, and self-reflect throughout the experience in routine writing.

## Internship Off Campus

**Grade Level Placement: 11, 12**

1/2 Unit/S or 1 Unit/Y Prerequisite: Introduction to Internship or instructor permission Credit Type: Practical Arts (PA)

Students will complete an internship placement with a community partner off campus. The course will focus on an individualized workplace learning plan developed with a mentor, course teacher, and the student. Interns will give a presentation of their learning at each marking period, track successive approximations of career duties for their position, and self-reflect throughout the experience in routine writing. This course will meet both on campus and at the individual's worksite.

11<sup>th</sup>-12<sup>th</sup> Grade Interns who are interested in off campus internships must:

*Be enrolled in at least three other courses that meet on campus, pursue timely graduation, have a Personal Plan of Study, pursue regular requirements for a high school diploma, maintain 95 percent attendance rate, and demonstrate quality citizenship skills*

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## PLTW Computer Science Essentials

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: None Credit Type: Practical Arts (PA)

With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin or continue the PLTW Computer Science PreK-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. (pltw.org)

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## Science

### Intro to Physics (Required)

#### Grade Level Placement: 09

1 Unit/Y Prerequisite: None Credit Type: Science (SCI)

#### *NCAA Approved Course*

This activity driven physics course uses algebraic equations and graphs to solve physics problems. Instruction includes the use of calculators, spreadsheets, and computer simulations. Major areas of study include Newtonian Mechanics (force, velocity, acceleration, momentum, work, energy), and Waves (periodic motion, light optics and sound).

**Honors Option Available** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.) Honors Physics students are required to complete additional labs and produce more advanced computer programs for simulating physics topics learned in class.

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### Chemistry (Required)

#### Grade Level Placement: 10

1 Unit/Y Prerequisite: None Credit Type: Science (SCI)

#### *NCAA Approved Course*

This course uses unit themes to help students develop an understanding and appreciation of how chemistry is important in everyday life. Students learn how elements combine in molecules and rearrange in chemical reactions. In the 2nd semester, students apply this knowledge in the study of weather, energy, organic chemistry, and the environment. In each unit, students master key concepts as they perform laboratory investigations and complete group projects.

**Honors Option Available:** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.) Taught within the general Chemistry class, Chemistry Honors option provides students the opportunity to explore topics in more depth and introduces new topics. During the first semester, Honors students learn about quantum theory and electrochemistry. They write more complicated chemical equations and complete advanced conversions. In the second semester, honors students study mathematical and social implications of nuclear technology, and complete additional advanced gas law calculations. Honors Chemistry is strongly recommended for students who plan to enroll in Advanced Placement Chemistry the following year.

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## **Biology: Exploring Multiple Scientific Perspectives** (Required)

**Grade Level Placement: 11, 12**

1 Unit/Y    Prerequisite: One year of science    Credit Type: Science (SCI)

*NCAA Approved Course*

This course immerses students in rich content that is filled with big ideas and probing questions. It consists of eight units, each focusing on the perspective of a scientist in a particular branch of biology. The students assume a variety of roles as they explore the main themes in biology. For example, students study science from the perspective of a Biologist, Ecologist, or Geneticist. The course offers many opportunities for students to apply the concepts and ideas they are learning to real-life assessment situations. Instruction incorporates a rich variety of hands-on methods including inquiry-based labs and the use of technology and simulations. Finally, the coursework guides students to deepen their awareness of the complexity of life as it functions at many levels.

**Students will take the Biology End of Course Exam at the completion of this course. This required exam must be taken by all high school students prior to graduation.**

**Honors Option Available** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.)

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## **Science Research**

**Grade Level Placement: 10, 11, 12**

1 Unit/Y    Prerequisite: Instructor approval    Credit Type: Science (SCI)

*NCAA Approved Course*

This course offers students the opportunity to participate in the community of scientific research and scholarship as part of their high school experience. Students select a topic of interest and explore it through library research, laboratory work and communication with scientists. In the development of their research question, students develop sophisticated data collection and laboratory skills. Their findings are presented at a school symposium as well as in local, regional and/or state competitions. This course may be repeated.

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## Modern Physics I and II

**Grade Level Placement: 10, 11, 12**

½ Unit/S    1 Unit/Y    Prerequisite: “C” in Algebra II, Geometry, and Chemistry; recommendation and/or Instructor approval    Credit Type: Science (SCI)

*NCAA Approved Course*

Physics is recommended for students intending to major in math or science in college. This course is a continuation of Introduction to Physics. Topics studied include: electricity, magnetism, astrophysics, relativity, nuclear physics, the standard model, and the basics of quantum mechanics.

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## Eco-Act

**Grade Level Placement: 11, 12**

1/2 Unit/S    1 Unit/Y    Prerequisite: “Application and Interview with instructor”    Credit Type: Science (SCI)

*This course is **NOT** NCAA Approved.*

Eco-Act is an environmental leadership program for juniors and seniors in high school, operated by the Missouri Botanical Garden in partnership with MRH and other St. Louis area schools and districts. The class includes a summer workshop where students learn leadership and teamwork skills. During the year, students prepare weekly lessons to teach to MRH 4<sup>th</sup> graders. Also, students research, design, and implement an environmental action project that focuses on an environmental issue in the greater St. Louis community. Students enroll for a full year and receive science or elective course credit.

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## Exp. Environmental Sustainability

**Grade Level Placement: 11, 12**

1/2 Unit/S    1 Unit/Y    Prerequisite: Instructor approval    Credit Type: Science (SCI)

*NCAA Approved Course*

This course is intended for students interested in learning more about issues involving environmental sustainability. Students take an in-depth approach to understanding environmental processes by conducting research, laboratory activities, and fieldwork. This project and issues based class uses case study work to help illustrate main ideas. Ethical decision-making skills are taught throughout the course as each student learns how humans affect the environment.

*St. Louis Community College (STLCC) offers students who take this course the opportunity to earn 3 college credit hours for taking this course for the full year. Students electing to earn college credit will need to pay a small fee to STLCC.*

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## Human Body: Health & Fitness

**Grade Level Placement: 11, 12**

1/2 Unit Prerequisite: "B" in Biology recommended, Chemistry recommended, and/or instructor approval  
Credit Type: Science (SCI)

*NCAA Approved Course*

Anatomy physiology, or "A & P," consists of topics that explore how our bodies are put together and how they work. This course explores different human body systems through the use of case studies, projects, and lab exercises. The focus is on the body systems associated with health, nutrition and fitness, including the digestive, urinary, skeletal, muscular, and cardiovascular and respiratory system. An emphasis on health and medical-related careers are integrated throughout the semester.

College credit: See note after Human Body: Growth & Development

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## Human Body: Growth & Development

**Grade Level Placement: 11, 12**

1/2 Unit Prerequisite: "B" in Biology recommended, Chemistry recommended, and/or instructor approval  
Credit Type: Science (SCI)

*NCAA Approved Course*

Anatomy and physiology are topics that explore how our bodies are put together and how they work. This course explores different human body systems through the use of case studies, projects and lab exercises. The focus in this semester is on the body systems associated with maintaining homeostasis, necessary for human growth and development, including the nervous, endocrine, lymphatic and reproductive systems. An emphasis on health and medical related careers are integrated throughout the semester.

St. Louis Community College (STLCC) offers students, who take **both** Human Body courses (Health & Fitness and Growth & Development), the opportunity to earn 3 college credit hours for upon completion of both courses. Students electing to earn college credit will need to pay a small fee to STLCC.

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## Advanced Placement Chemistry (W)

**Grade Level Placement: 11, 12**

1 Unit/Y Prerequisite: successful completion of Chemistry, 2 years of Algebra, instructor recommendation, and must meet MRH AP requirements and expectations

Credit Type: Science (SCI)

*NCAA Approved Course*

This course is designed to be the equivalent of a 1st year college Chemistry course. Because of the complex nature of the content, enrollment is limited to students who have demonstrated an advanced level of proficiency in Chemistry and Algebra II. The fundamental concepts taught in the first year of chemistry are explored in more depth. New material is introduced as well. The topics taught in class are reinforced with daily homework. Students are expected to take the College Board AP exam in May and could receive college credit based upon their test performance.

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## Advanced Placement Biology (W)

**Grade Level Placement: 11, 12**

1 Unit/Y Prerequisite: Biology and Chemistry (minimum “B” average in both), instructor approval and must meet MRH AP requirements and expectations

Credit Type: Science (SCI)

*NCAA Approved Course*

This course is designed to offer college-bound students the opportunity to receive college credit in Biology upon completion of coursework and demonstrated competency on a standardized exam. The Advanced Placement College Board administers the course requirements and standardized exam. Students are expected to take the AP Biology examination in the spring.

*The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 5 college credit hours per year. Students electing to earn college credit will need to pay a small fee to UMSL.*

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## AP Environmental Science (W)

### Grade Level Placement: 11, 12

1 Unit/Y      Prerequisite: Chemistry and Biology (minimum "B" average), or may be currently enrolled in Biology as per instructor approval; must meet MRH AP requirements and expectations.  
Credit Type: Science (SCI)

### NCAA Approved Course

This course is designed to offer college-bound students the opportunity to receive college credit in Environmental Science upon completion of coursework and demonstrated competency on a standardized exam. The Advanced Placement College Board administers the course requirements and standardized exam. Students are expected to take the AP Environmental Science examination in the spring.

The University of Missouri-St. Louis offers 11/12th grade students with a 3.00 GPA or higher who take this course the opportunity to earn 5 college credit hours per year. Students electing to earn college credit will need to pay a small fee to UMSL.

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## Social Studies

### **World History: Freshman Humanities** (Required)

**Grade Level Placement:** 09

1 Unit/Y    Prerequisite: None    Credit Type: Social Studies (SS)

*NCAA Approved Course*

Using a multiple perspectives approach, students are introduced to the tools of social science. Students build connections within and across regions, time, and peoples as various themes unfold and as patterns emerge beginning with early River Civilization and Scientific Revolution. While students study primarily the events and people of the distant past, they continually relate and connect the understandings they glean from the past to the events and people of the present.

**Honors Option Available** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.)

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### **Sophomore World and American Studies: History** (Required)

**Grade Level Placement:** 10

1 Unit/Y    Prerequisite: Recommended to have completed World History: Freshman Humanities  
Credit Type: Social Studies (SS)

*NCAA Approved Course*

This class is required for all 10th graders. It provides an integrated approach to the study of American and world history from 1500 to 1900. The emphasis is U.S. and world history during the time period. This course stresses the importance of the interdependence of the entire world community.

**Honors Option Available** (Students must inform their counselor and teacher if they are interested in enrolling in honors option.)

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## **20th Century American Studies** (Required)

**Grade Level Placement: 11, 12**

1 Unit/Y Prerequisite: Sophomore World and American Studies Credit Type: Social Studies (SS)

*NCAA Approved Course*

This problems-based history course allows students to explore major events in the 20th century from a variety of global and thematic perspectives. These global and thematic perspectives help students to gain an understanding of the historical development of the 20th century as well as an understanding the real world today. The course also focuses on improving historical thinking and writing skills.

**20<sup>th</sup> Century American Studies meets American History credit requirement for high school graduation.**

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## **Psychology**

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: Sophomore World and American Studies Credit Type: Social Studies (SS)

*NCAA Approved Course*

In this semester course, students learn to clarify and explain human development and behavior from infancy through maturity through research, discussion, debate, and role-play. Students explore human behavior through a study of its normal and abnormal manifestations. They discover and are able to explain the importance of applying the scientific method to the study of human behavior.

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## **Contemporary Issues**

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: Sophomore World and 20<sup>th</sup> Century or instructor approval  
Credit Type: Social Studies (SS)

*NCAA Approved Course*

Contemporary Issues is a semester long course in which students will examine and analyze current events and contemporary issues. Major topics of study will include international relations and foreign policy, human rights, strengths and weaknesses of globalization, environmental threats, religion and violence, and terrorism.

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## Historiography

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: Successful completion of all required courses

Credit Type: Social Studies (SS)

Students will choose a topic of interest (with teacher approval). During the semester students will be introduced to the methods and philosophy of “doing history,” including: Learning how to research and evaluate sources online; Researching their topic utilizing a variety of historical sources/types; Conversing with other students, professors, and historians regarding their research; Reporting on a particular historical topic in-depth using a variety of mediums to show understanding. (Presentation, Panel Discussion, Research Paper, Senior Defense, etc....)

The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 3 college credit hours per year in College Algebra. Students electing to earn college credit will need to pay a small fee to UMSL.

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## African Studies

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: Sophomore World and American Studies Credit Type: Social Studies (SS)

*NCAA Approved Course*

This semester course explores the 54 countries of the African continent and its different nations. Through group projects, lively discussions, and interactive lessons, students gain a deeper understanding of Africa, its geography, history, and culture. International relations, cultures of the continent, conflicts, cultural issues, impact on global history and culture from ancient times through modern day are addressed

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## Personal Finance in Economics (Required)

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: None Credit Type: Social Studies (SS), Personal Finance (PA)

*NCAA Approved Course*

Using a problem-based approach, students grapple with real economic problems and decisions, the same ones that have challenged people throughout history. Students continually simulate economic models, concepts, and principles in order to “experience” economics. Through authentic application in project-based assessments, students critically and creatively consider economics and its implications in the real world.

**Meets Missouri “Personal Finance” requirement.**

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## **American Government** (Required)

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: None Credit Type: Social Studies (SS), Government (GOV)

### *NCAA Approved Course*

The course includes an examination of basic American political principles and practices, the nature of democratic government, the U.S. Constitution, Missouri Constitution, federalism, civil rights, political dynamics, the presidency, Congress, and the judiciary. In addition, students examine important political documents, the dynamics of public policy, and the legal process. By the end of the course, students are familiar with the institutions, processes, actors, cultural dynamics, ideological spectrum, and controversies that make up the American political system.

**Meets Missouri and United States Constitution Test requirement.**

**Students will take the Government End of Course Exam at the completion of this course. This required exam must be taken by all high school students prior to graduation.**

*This class is also offered for advanced credit through the 1818 ACC at St. Louis University. Students will earn 3 credit hours for this semester course. Students must have a 3.0 GPA in order to participate. Students electing to earn college credit will need to pay a small fee to SLU.*

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## **Advanced Placement World History (W)**

**Grade Level Placement: 11, 12**

1 Unit/Y Prerequisite: 2 units of social studies credit with a grade of "C" or higher and must meet MRH AP requirements and expectations

Credit Type: Social Studies (SS)

### *NCAA Approved Course*

Advanced Placement World History is a college level course designed to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization forms an organizing principle for examining change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

*The University of Missouri-St. Louis offers 11/12<sup>th</sup> grade students with a 3.00 GPA or higher who take this course the opportunity to earn 3 college credit hours per semester (6 credits are possible for the year). Students electing to earn college credit will need to pay a small fee to UMSL.*

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## Special Education Courses

These courses are for students based on needs identified on individualized education plans (IEPs). (See statement on last page.)

### **Foundation of English** (Required)

**Grade Level Placement: 09, 10, 11, 12**

1 Unit/Y Prerequisite: Instructor approval Credit Type: English (ENG)

#### *NCAA Approved Course*

These courses places emphasis on developing skills in reading, writing and critical thinking. In addition, students learn, develop and refine vocabulary, and develop other related academic skills (library, grammar, study, job search, and computer) through practical use. Each course is grade level appropriate and follows the English department curriculum. All students are provided strong support, which includes the use of technology.

#### English 1

Students will learn and review literary devices, reading strategies and general study skills.

#### English II

Students will focus on study skills, develop their research skills, sustain their silent reading and cross-cultural nonfiction.

#### English III

Students will read as writers, using literary techniques which will allow them to create original forms of descriptive writing. Their creative forms of writing are presented orally and in written form. Introduction of the Capstone Project as I-Search Presentation.

#### English IV

Seniors will focus on Capstone Project which is embodied with skills for the Real World. Seniors focus on time management, oration and self-awareness skills, which will transfer into their chosen post-secondary setting.

**English I EOC is taken at the end of Foundation English II. English II EOC is taken at the end of Foundations English III. The English II EOC is required for graduation.**

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## **Foundations of World History** (Required)

### **Grade Level Placement: 09**

1 Unit/Y    Prerequisite: Instructor approval    Credit Type: Social Studies (SS)

#### *NCAA Approved Course*

This course provides a basic approach to understanding the development of humans and their relationships in the world until 1500 C.E., tracing from the beginnings of human movement and settlement through the age of exploration. Students examine the negative and positive effects of geography and its influence on the development of societies, the perceptions and attitudes of people from different regions, and how different perspectives of historians and mapmakers impact how we view history. The course is grade level appropriate and follows the Social Studies department curriculum.

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## **Foundations of Sophomore World and American Studies** (Required)

### **Grade Level Placement: 10**

1 Unit/Y    Prerequisite: Instructor approval    Credit Type: Social Studies (SS)

#### *NCAA Approved Course*

This course provides basic studies of American and world history after 1500 including world geography and American government. The course focuses on the increased global interaction following the Renaissance, the European settlement of the Americas and its effect on native populations, the events leading to revolution, the establishment of the new nation, and the conflict and development of the nation through the 19th century. The course is grade level appropriate and follows the Social Studies department curriculum.

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## **Foundations of 20<sup>th</sup> Century Studies** (Required))

### **Grade Level Placement: 11**

1 Unit/Y    Prerequisite: Instructor approval    Credit Type: Social Studies (SS)

#### *NCAA Approved Course*

This course allows students to explore major events of the 20<sup>th</sup> century from a variety of global perspectives and to understand how these events have affected the development of today's world. The class will focus on the following periods: Progressive Era, World Wars, Great Depression, the Cold War, and Globalization. The course is grade level appropriate and follows the Social Studies department curriculum.

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## **Foundations of American Government** (Required)

**Grade Level Placement: 11, 12**

1/2 Unit/S Prerequisite: Instructor approval Credit Type: Social Studies (SS), Government (GOV)

*NCAA Approved Course*

The course includes an examination of basic American political principles and practices, the nature of democratic government, the U.S. Constitution, and the Missouri Constitution. In addition, we will examine important political documents and the legal process. The course is grade level appropriate and follows the Social Studies department curriculum.

**Students must pass the Missouri and United States Constitution Tests.**

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## **Foundations of Algebra** (Required)

**Grade Level Placement: 09**

1 Unit/Y Prerequisite: Instructor approval Credit Type: Math (MATH)

*NCAA Approved Course*

This course combines math fundamentals with algebraic concepts to prepare student for Advanced Algebra or beyond. Application, problem solving, and critical thinking are integrated throughout the course. The course offers the following: real-life mathematics, computation and application of rational numbers, algebraic relationships, multi-step equations, inequalities, graphs of linear functions, geometric concepts, data analysis, probability, and statistical graphing. Technology, including the use of computers and calculators, are used as tools of instruction. This course follows the Math Department Curriculum.

**Algebra I EOC is taken at the end of this class. The Algebra I EOC is required for graduation**

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## **Foundations of Algebra II** (Required)

### **Grade Level Placement: 11**

1 Unit/Y Prerequisite: Foundations of Algebra and instructor approval Credit Type: Math (MATH)

#### *NCAA Approved Course*

This course is a continuation of Foundations of Algebra I, providing students with a thorough review of the main topics covered in Foundations of Algebra I as well as development of related skills. Algebra II is the study of equations and their corresponding graphs. The course expands on linear and quadratic functions from Algebra I. This course follows the Math Department Curriculum. Students who complete this course will take the EOC (End of Course) Exam for Algebra I.

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## **Foundations of Geometry** (Required)

### **Grade Level Placement: 10**

1 Unit/Y Prerequisite: Instructor approval Credit Type: Math (MATH)

#### *NCAA Approved Course*

This course focuses on key topics that provide a strong foundation in the essentials of geometry. Students study points, lines, planes, and their relationships. The course includes the study of triangles, quadrilaterals, polygons, circles, and parallel lines. Along with geometry concepts there is a strong review of algebra topics throughout the course. The course follows the Math department curriculum. Students who complete this course will take the EOC (End of Course) Exam for Geometry.

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## **Foundations of Personal Finance** (Required)

### **Grade Level Placement: 12**

1/2 Unit/S Prerequisite: Instructor approval Credit Type: Social Studies (SS), Personal Finance (PF)

#### *NCAA Approved Course*

Using a problem-based approach, students will grapple with real world problems in the area of personal finance. They will define and explore values, needs and wants, learn decision-making skills, goal-setting skills and investigate career options. Students will also learn about responsible earning, spending, saving, credit, comparison shopping and major expenditures.

**Meets Missouri “Personal Finance” requirement.**

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## **Foundations of Physics** (Required))

### **Grade Level Placement: 09**

1 Unit/Y Prerequisite: Instructor approval Credit Type: Science (SCI)

#### *NCAA Approved Course*

This course will explore the big ideas of Physics. This Physics course places emphasis on developing basic skills in scientific reading, vocabulary, and scientific research. This course uses equations and graphs to solve physics problems. Students learn, develop, and refine scientific skills through practical use. The course follows the science department curriculum for 9th grade. All students are provided strong support, which includes the use of technology.

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## **Foundations of Chemistry** (Required))

### **Grade Level Placement: 10**

1 Unit/Y Prerequisite: Instructor approval Credit Type: Science (SCI)

#### *NCAA Approved Course*

This course will explore the big ideas of chemistry. This course uses unit themes to help students develop an understanding and appreciation of how chemistry is important in everyday life. Students apply this knowledge in the study of weather, energy, organic chemistry, and the environment. In each unit, students master key concepts as they perform investigations and complete projects. This course follows the science department curriculum for 10th grade. All students are provided strong support, which includes the use of technology.

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## **Foundations of Biology** (Required)

### **Grade Level Placement: 11, 12**

1 Unit/Y Prerequisite: Instructor approval Credit Type: Science (SCI)

#### *NCAA Approved Course*

This course will explore the big ideas of biology. The course offers many opportunities for students to apply the concepts and ideas they are learning to real-life assessment situations. This course includes a rich variety of hands-on instructional methods. The course is designed to deepen student awareness of the complexity of life as it functions at many levels. The course is grade level appropriate and follows the Science department curriculum.

**Student will take the Biology End of Course Exam after successfully completing a full year of this course.**

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## Learning Strategies

**Grade Level Placement:** 09, 10, 11, 12

1 Unit/Y Prerequisite: Instructor approval Credit Type: Elective (ELEC)

*This course is **NOT** NCAA Approved.*

**Reading:** This course supports the development of the following skills: organizational systems, study skills, self-awareness and life-long learning, safe and appropriate use of technology, and the transition to post high school life. In addition, this course provides emphasis on developing reading strategies and comprehension skills, implementing a supportive framework for students to sort through information; develop the student's ability to understand the relationship of the text to real life, personal, or text to text connections. Students develop silent reading skills, while independently choosing their selection of novels.

**Math:** This course supports the development of the following skills: organizational systems, study skills, self-awareness and life-long learning, safe and appropriate use of technology, and the transition to post high school life. In addition, the course consists of a variety of activities designed to reinforce analytical thinking, problem solving, and reading and writing skills required for success in these courses. While emphasizing skill development, the course also reviews the core math content standards.

**Social Skills:** This course supports the development of the following skills: organizational systems, study skills, self-awareness and life-long learning, safe and appropriate use of technology, and the transition to post high school life. In addition, students learn the importance, impact, and value of using appropriate social skills in a variety of settings. Opportunities to think critically about students' roles and impacts on their learning community are provided.

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## Community Based Vocational Instruction (CBVI)

**Grade Level Placement:** 9, 10, 11, 12

1-4 Unit/Y Prerequisite: Instructor approval Credit Type: Practical Arts (PA)

*This course is **NOT** NCAA Approved.*

Through collaborative partnerships between community agencies/organizations and MRH High School, participants learn "hands on" job skills in this partial day program. Students learn effective work behaviors and social skills in and out of the classroom. Community access experiences are provided in order to learn from real-life situations. This course can be taken 1 to 4 years, therefore receiving up to 4 units per year. Grades 9-10 develop skills on campus while students in grades 11-12 have opportunities to develop skills off-campus with adult coaching supports.

**Notice of Nondiscrimination**

In accordance with the provisions of The Americans With Disabilities Act, Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and the Regulations there under, and P.L. 93-112: Rehabilitation Act of 1973 and Section 504 there under, it shall be the policy of the Maplewood Richmond Heights School district that no person shall, on the basis of age, sex, handicap, national origin, political or religious beliefs, be excluded from participation in, be denied the benefits of, or subjected to discrimination under any education program or activity conducted by the District, including the employment of professional and non-professional personnel.

Direct inquiries and complaints under this policy to the Title Coordinator listed below. For additional information, see Board Policy: AC located on the MRH website at:

<https://eboard.eboardsolutions.com/ePolicy/policy.aspx?PC=AC&Sch=442&S=442&RevNo=1.01&C=A&Z=P>.

Director of Special Services

Or

Roxanna Mechem, Assistant Superintendent

Title Coordinator

Maplewood Richmond Heights School District

7539 Manchester Road

St. Louis, MO 63143

(314) 644-4400

Roxanna.mechem@mrhschools.net

**Notice of Educational Services for Students with Disabilities**

The St. Louis County Special School District provides support to Maplewood Richmond Hts High School (MRH HS) students diagnosed with special needs. MRH HS students with disabilities are enrolled in self-contained, resource, itinerant, and consultative/collaborative placements. The special education teachers, in collaboration with the speech/language pathologists, teach small group and individualized classes that include the following areas: learning strategies, language skills, study skills, transition, college and career preparation, individualized functional skills, and academic skills. Other special educators—such as occupational therapists, social workers, and transition facilitators— are assigned to the school to work with individual students on an as-needed basis. The SSD staff provides consultative support to regular education teachers who have students with special needs in their classes.

SSD Department phone number: (314) 446-1714

SSD Office at MRH HS is in the Student Services Department