



# Sturgeon R-V High School

Home of the Bulldogs



2023-2024

## Career Planning and Educational Guide



**STURGEON R-V HIGH SCHOOL**  
**24350 N. Fairgrounds Rd.**  
**Sturgeon MO 65284**  
**(573)687-4005**

**District Website: [www.sturgeon.k12.mo.us](http://www.sturgeon.k12.mo.us)**

SUPERINTENDENT: Dr. Melia Franklin  
PRINCIPAL: Ms. Jennifer Campbell  
SCHOOL COUNSELOR: Mrs. Lisa Gramke

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## **DEFINITIONS OF TERMS USED**



### **CORE COURSES:**

Core courses are any courses that fall under the English Language Arts, Social Studies, Mathematics, and Science areas.

### **COURSE:**

A course is all selections of classes in one subject area. For example, English 1 is a course. There may be several classes or sections of this course offered throughout the day.

### **CLASS:**

A class is all individual sections of a course. For example, 7<sup>th</sup> hour English 1 may be your class, while your friend may be in 3<sup>rd</sup> hour English 1.

### **REQUIRED COURSE:**

A required course is a specific course that SHS requires for High School graduation.

### **ELECTIVE:**

An elective is any course that is not specified for graduation.

### **PREREQUISITE:**

A prerequisite indicates what a student has to have completed before being allowed into a specific course. For example, some classes at SHS require a student to have a certain GPA, or be a certain grade level, or to have completed a course the year before.

### **CREDIT:**

A credit represents the numerical amount received for successfully completing a course. For example, if you pass both semesters of US History, you would earn 1.0 credit. If you took a course for one semester and successfully completed it, you would earn 0.5 credits. SHS requires all students to successfully complete 24 credits to graduate.

**NOTE:** *Some procedures and policies outlined in this Career Planning and Educational Guide are subject to change based on Board approval and suggestions.*

## GRADUATION/ADMISSION REQUIREMENTS

Graduation requirements for the Sturgeon R-V School District shall be a minimum of 24 credits (26 credits for Class of 2027 and beyond), completed during grades nine through twelve. Each student who wishes to graduate from the Sturgeon R-V School District must complete the following required courses.

**NOTE:** *As a reference, admission requirements (\*) for the University of Missouri System Schools are included. These may change so please check their websites and/or contact an admissions officer. You can find most college admission requirements by conducting an internet search that includes the schools name with admission requirements (i.e. Missouri State Admissions Requirements)*

Department	State Graduation Requirements (2024 - 2026 Graduates)	SHS Graduation Requirements (2027 Graduates)	*2023 Admission Requirements for the University of Missouri Schools (UMC, UMR, UMKC, UMSL)
English Language Arts (ELA)	4 Credits	4 Credits	4 Credits
Social Studies (SS)	3 Credits	3 Credits	3 Credits
Math (MA)	3 Credits	3 Credits	4 Credits (Algebra I and beyond)
Science (SC)	3 Credits	3 Credits	3 Credits (1 must be a Lab Course)
Health	.5 Credit	.5 Credit	None
Physical Education (PE)	1 Credit	1 Credit	None
Fine Arts (FA)	1 Credit - Art - Choir - Band	1 Credit - Art - Choir - Band	1 Credit
Practical Arts (PA)	1 Credit - Agriculture - Business - MATC	1 Credit - Agriculture - Business - MATC	None
Personal Finance	.5 Credit	.5 Credit	None
Electives (EL)	7 Credits	9 Credits	
Foreign Language	None	None	2 Credits (Must be same language)
Total	24 Credits	26 Credits	17 Credits  * Plus appropriate Class Rank and ACT/SAT Scores

## **SOPHOMORE, JUNIOR, OR SENIOR STATUS**



To qualify for **sophomore** status, a student is expected to have earned a minimum of **5.5 credits** prior to the beginning of the school year.

To qualify for **junior** status, a student is expected to have earned a minimum of **11.5 credits** prior to the beginning of the school year.

To qualify for **senior** status, a student is expected to have earned a minimum of **17 credits** prior to the beginning of the school year. A student with less than 17 credits will be assigned junior status and may not graduate with that year's class.



## **ACADEMIC ASSISTANCE**



All students are eligible to receive academic assistance (tutoring) at Sturgeon High School. Students may arrange times to meet with their teacher before or after school. Every student is also scheduled into a seminar class. Students may request to visit a teacher to get assistance with their work. Teachers may also request students to come to their seminar in order to get assistance. If you have concerns with your students' learning please contact their teacher to make tutoring arrangements.

## **SEMINAR - Response to Intervention**

On Tuesdays, students will complete their grade check sheet and return it to their teacher. Teachers will sign students up for Response to Intervention based on their grades. Any student with an F or a D (with missing work) in a core class will be signed up with the teacher whose class they have the F or D. If a student has multiple Fs or Ds in a core class(es), they will be signed up in the class with an F they are closest to passing first then move on to the next class(es).

On Wednesdays - Fridays, students with an F or D (with missing work) in any core class will attend Intervention. Grades will be evaluated weekly once a student is not failing any core classes or no longer has a D with missing work, they no longer need to attend Response to Intervention. During this time, students without Fs or Ds (with missing work) in core classes can work in common areas, such as:

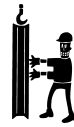
Commons, Art Room, Library, Gym, or Computer Lab

During this time, students should be in their assigned area. Students will report to the same area for the week.

## SHS GRADING SCALE

Sturgeon High School uses a 4.0 grading scale to calculate grade point averages (GPA). Student class ranks are calculated by cumulative GPA after each semester.

Letter Grade	% Grade	4.0 Scale
A	95 – 100	4.0
A-	90 – 94	3.67
B+	87 – 89	3.33
B	83 – 86	3.0
B-	80 – 82	2.67
C+	77 – 79	2.33
C	73 – 76	2.0
C-	70 – 72	1.67
D+	67 – 69	1.33
D	63 – 66	1.0
D-	60 – 62	0.67
F	0 – 59	0.0



### MOBERLY AREA TECHNICAL CENTER (MATC) PROGRAMS AND REQUIREMENTS

Students may choose to enroll in courses at Moberly Area Technical Center during their junior and senior years of high school. Students may earn three practical art credits each year. Students may also complete embedded Math and English Language Arts credit while attending MATC.

MATC programs are designed to provide the student entry-level job skills and give the student a head start at the post-secondary level in a particular program of study. Most of the programs are two years in length and meet three periods a day. Some programs do allow students to combine courses from different program areas.

#### 2023-2024 MATC PROGRAMS

Architectural & Engineering Design	Automotive Technology
Building Technology	Marketing & Business Technology
Collision Repair Technology	Computer Information Technology
Electronics & Robotics Technology	Machine Tool Technology
Agriculture	Medical Technology
Welding Technology	

Since most programs offered at MATC are two-year programs, there is an application process and eligibility requirements that must be met by students wishing to attend.

**The first requirement is a commitment to complete the program you enter. This generally means planning on attending the Career Center during your junior and senior year.**

**NOTE: Students attending MATC will be expected to attend and ride the MATC bus on Mondays.**

### **Application Process:**

1. Students must meet with their School Counselor to express their interest in attending MATC and know what program they would like to commit to.
2. Students must complete the MATC enrollment application prior to the due date (set each year by MATC).
3. **It is important to note that an accepted application by MATC does not mean you have been accepted to the program you have selected.** Some programs will have over-enrollment and will require additional testing to determine placement. Your previous year's attendance percentage may also be used to determine enrollment.

### **Eligibility Requirements:**

1. Students must be a Junior or Senior in high school.
2. All students wanting to attend MATC must have either:
  - a. A 1.66 GPA (C-) with 92% attendance or better.
  - b. A 2.00 GPA (C) with 90% attendance or better.
3. All students wanting to attend MATC cannot have any F's from the previous semester.
4. All students wanting to attend the MATC must be on track to graduate.

NOTE: If students are not being successful at SHS and/or MATC during their junior or senior year(s), this could impact their ability to attend MATC. Especially if graduation requirements are not being met.



### **ADVANCED COLLEGE STANDING**

Sturgeon High School offers both in-house and online Dual Credit opportunities for students to earn advanced standing and/or college credit. Additional information is available from your school counselor regarding Dual Credit:

### **Dual Credit In-House:**

Students may earn both high school and college credit for some courses taken at SHS.

College credits are offered through **Moberly Area Community College (MACC)**. Students may earn .5 or 1.0 high school credits (depending upon the class) and 3-5 hours of college credit per class (depending on the class).

Students may take a course that is offered for dual credit, but elect not to participate in the dual credit program and receive only high school credit.

In order to receive college credit students must:

- Have fulfilled course prerequisites.
- Meet admission standards for MACC.
- Have a minimum 3.0 GPA.
- Obtain permission from the teacher.
- There may also be an EOC score or college-board admissions test score requirements for some courses.

2022-23 cost for dual credit classes were as follows:

#### **Moberly Area Community College**

\$78 per credit hour

\$234 for a 3-hour class

Please plan for book and online material costs as well.

- Fees are set by the college and are subject to change. Please check their website for 2023-24 price changes.
- Fees are due 2 weeks after the MACC Sturgeon enrollment date. There is also a payment plan option with a \$25.00 fee. All payments are made online through the student's MyMACC account. If you have special financial considerations please let your school counselor know.

Possible Dual Credit In-House course offerings may include: College Chemistry, College Composition I, Public Speaking, and College Algebra.

## **Dual Credit On-Line (DCON):**

Dual Credit On-Line courses at Sturgeon High School are offered through **Moberly Area Community College (MACC)**. Each Dual Credit On-Line course is worth .5 high school credit and between 3-5 hours of college credit (depending on the course). Dual Credit On-Line courses are semester only courses. When signing up for these classes please be sure to include another semester course to go with it.

In order to receive college credit students must:

- Have fulfilled course prerequisites.
- Meet admission standards for MACC.
- Have a minimum 3.0 GPA.
- There may also be an EOC score or college-board admissions test score requirements for some courses.
  - Students wanting to take College Algebra must have a minimum ACT Math score of 22 or take the Accuplacer Test to achieve a qualifying score.
  - Students wanting to take College Composition must have a minimum ACT English and Reading score of 18 or take the Accuplacer Test to achieve a qualifying score.

2022-23 cost for dual credit classes were as follows:

### **Moberly Area Community College**

\$78 per credit hour

\$234 for a 3-hour class

Please plan for book and online material costs as well.

- Fees are set by the college and are subject to change. Please check their website for 2023-24 price changes.
- Fees are due 2 weeks after the MACC Sturgeon enrollment date. There is also a payment plan option with a \$25.00 fee. All payments are made online through the student's MyMACC account. If you have special financial considerations please let your school counselor know.
- Courses offered will change each semester.

Possible Dual Credit On-Line course offerings may include: College Precalculus Algebra, College History, Public Speaking, Psychology, Sociology, and others.

## **EARLY COLLEGE**

Sturgeon High School juniors and seniors will have the chance to earn college credit hours while still in high school. In a newly developed partnership with Moberly Area Community College (MACC), Sturgeon students can attend college classes on the MACC campus while still in high school, thus receiving a "taste of the college classroom." Although students can take dual credit courses in the Sturgeon R-V classrooms as they have in the past, this is another avenue to receive college credits. Students will be transported to the Moberly campus in the hopes that the experience will ease the high school-to-college transition.



## **COURSE SCHEDULING INFORMATION**



Students currently enrolled in grades 8-11 at Sturgeon R-V Schools will complete Course Request forms for the following school year during the second semester of the current school year.

Students must choose a total of 7 classes for the school day. Most classes will be filled with preference given to seniors, juniors, sophomores, and then freshmen. Some specialty and advanced courses require teacher permission. Freshmen students will be evaluated for course placement (mathematics, and foreign language) through grades, testing and teacher recommendation. All students will be continuously evaluated for appropriate course placement. If placement is determined by a teacher or counselor to be inappropriate, course changes may be made at that time.



### **Private, Parochial, and Home Schooled Students:**

All students coming to SHS from outside schools or from home school will need to contact the School Counseling Office to set up a time for the student to visit and fill out a Course Request form.

**NOTE:** *It is the parent/guardian's responsibility to arrange for their child to be enrolled at SHS.*

### **1st Semester Schedule Changes:**

Students need to be aware of the following guidelines regarding adding or dropping classes:

- Notifications will be sent informing students of dates and times they may come to SHS and request schedule changes before school starts (registration). We strongly recommend making all schedule changes during this time!
- All students will attend their scheduled classes on the first day of school.
  - This means **NO FIRST DAY OF SCHOOL SCHEDULE CHANGES.**
- After the first day, students who wish to change their schedule will have 3 days to sign up and complete their DROP/ADD slips and have their schedules changed.
- Changes to off campus college program courses must be approved by the counselor and principal.
- **No courses can be dropped after the three days unless recommended by a teacher and/or approved by the counselor and principal. If a course is dropped after the ADD/DROP period has ended the course will be recorded on the students' transcript and an "F" will be shown for the semester grade.**
- Students interested in changing their schedules need to complete the following steps:
  - Students will need to complete a DROP/ADD slip and have it signed by a parent/guardian.
  - The DROP/ADD slip will need to be signed by the teacher(s) of the course(s) being dropped and being added.
  - Students will need to turn in their COMPLETED DROP/ADD slip to the Counseling Office.
  - Students will follow their old schedule until they meet with their counselor and or a new schedule is given to them.
- We will not change any schedules because you don't like the teacher, want to be with friends, etc. Due to class sizes and limited course offerings, changes will be very difficult to make and you are not guaranteed any changes.

**NOTE:** *Schedules may be changed due to extenuating circumstances at any point throughout the school year. These types of changes require the support of the Counseling Department and Administrative approval.*

### **2<sup>nd</sup> Semester Schedule Changes:**

Students need to be aware of the following guidelines regarding adding or dropping classes:

- Notifications will be sent informing students of dates and times to request 2<sup>nd</sup> semester schedule changes. This is usually a week or two before the semester ends.
- All students will attend their scheduled classes on the first day of the 2nd Semester.
  - This means **NO FIRST DAY OF THE 2<sup>nd</sup> SEMESTER SCHEDULE CHANGES.**
- After the first day, students who wish to change their schedule will have 3 days to sign up and complete their DROP/ADD slips and have their schedules changed.
- Changes to off campus college program courses must be approved by the counselor and principal.
- **No courses can be dropped after the three days unless recommended by a teacher and/or approved by the counselor and principal. If a course is dropped after the ADD/DROP period has ended the course will be recorded on the students' transcript and an "F" will be shown for the semester grade.**
- Students interested in changing their schedules need to complete the following steps:
  - Students will need to complete a DROP/ADD slip and have it signed by a parent/guardian.
  - The DROP/ADD slip will need to be signed by the teacher(s) of the course(s) being dropped and being added.
  - Students will need to turn in their COMPLETED DROP/ADD slip to the Counseling Office.
  - Students will follow their old schedule until they meet with their counselor and or a new schedule is given to them.
- We will not change any schedules because you don't like the teacher, want to be with friends, etc. Due to class sizes and limited course offerings, changes will be very difficult to make and you are not guaranteed any changes.

**NOTE:** *Schedules may be changed due to extenuating circumstances at any point throughout the school year. These types of changes require the support of the Counseling Department and Administrative approval.*



## **STUDENT TESTING**

**PSAT TEST:** The Preliminary Scholastic Aptitude Test is offered in October to students in their junior year. There is a charge associated with this test. Students wishing to take this test should visit with their school counselor to get signed up and to find out the amount owed. The PSAT is also a test that will help you prepare for the SAT test. The PSAT will consist of the following sections: Reading, Writing & Language, and Math. Juniors interested in the National Merit Scholarship competition must take the PSAT in order to be considered. For more information about the new PSAT and new SAT please visit [www.collegeboard.org](http://www.collegeboard.org).

**Pre-ACT:** The Pre-American College Test (ACT) is a practice ACT test generally given to sophomores. The Pre-ACT encompasses paper-based, multiple-choice tests in English, math, reading, and science. The Pre-ACT gives students an estimated ACT test score and can be used as an indicator of college and career readiness. For more information about the Pre-ACT please visit <http://www.act.org/content/act/en/products-and-services/preact.html>.

**ASVAB:** The Armed Services Vocational Aptitude Battery test is given to juniors. This test contains the following sections: General Science, Arithmetic Reasoning, Word Knowledge, Paragraph Comprehension, Mathematics Knowledge, Electronics Knowledge, Auto and Shop Information, Mechanical Comprehension, and Assembling Objects. This test is used at the high school level as an aptitude of skills and presented to the students so they know what their areas of strength are. For more information about the ASVAB please visit [www.official-asvab.com](http://www.official-asvab.com).

**END-OF-COURSE EXAMS (EOC):** The EOC exams are sanctioned by the state of Missouri to evaluate each individual student's performance and to evaluate curriculum and instruction. The results will be part of Sturgeon R-V School District's accountability, and the EOC's will count towards the student's final grade in the respective courses. Sturgeon High School will have EOC's in the four required courses along with several optional courses as well. Courses which have a required EOC are Algebra I, American Government, English 2, and Biology. SHS has also given EOC's in Geometry and Algebra II.

- Students who fail a course in which an EOC exam is given but score proficient or higher on their EOC exam will receive a D- for that course.
- Students on Homebound Services, full-time Missouri Connections Academy (MOCA), or long-term suspension may be contacted in order to set up a time for the student to come to SHS and take the state exam.

**AMERICAN COLLEGE TEST (ACT):** The ACT is a national college admissions examination that consists of four subject area tests: English, Mathematics, Reading and Science. Many colleges and universities use the ACT as part of their admission process. Many scholarship programs also use the ACT when selecting their award recipient. The assessment is administered nationally six Saturdays a year during the months of September, October, December, February, April, June, and July at various test centers.

To best prepare for the assessment, students should complete rigorous academic coursework throughout high school. For more information on the ACT, visit [www.act.org](http://www.act.org) or contact the school counselor.

### **2023-2024 ACT Testing Dates**

September 9, 2023  
 October 21, 2023  
 December 9, 2023  
 February 10, 2024  
 April 6, 2024  
 June 8, 2024  
 July 13, 2024

### **Registration Deadline**

August 4, 2023  
 September 15, 2023  
 November 3, 2023  
 January 5, 2024  
 March 1, 2024  
 May 3, 2024  
 June 14, 2024

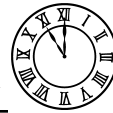
### **2022 -23 ACT Costs:**

- Regular Deadline (no writing) – \$63.00
- With Writing – \$88.00
- Late Registration – add \$36 (non-refundable)
- These costs are based on the 21-22 year and are subject to change, check the ACT website above to get up to date costs.

**NOTE:** Juniors and seniors who qualify for free and reduced lunch can obtain four fee waivers for the ACT. See your school counselor for more information.



## EARLY GRADUATION



### Early Graduation:

Consistent with the intent of the Missouri State Department of Elementary and Secondary Education regulations pertaining to graduation requirements, a student shall be expected to complete four full years of high school. Any student seeking a waiver of the four-year, full-time attendance policy must:

- Complete 7 semesters of high school.
- Not graduate ahead of their cohort class.
- Complete the SHS Application for Early Graduation and the Sturgeon R-V School District Early Graduation Waiver (*found in the School Counselor Office*). Recommended to be completed by April 30th of his or her junior year.
- The last opportunity to submit an Early Graduation application is September 1st of his or her senior year. Keep in mind the application may be denied if graduation requirements cannot be met by December.
- Submit a written request specifying the reasons for early graduation to the high school principal.
- Meet with your counselor and complete a credit check to make sure you will meet graduation requirements.
- Have parent, counselor, and administrator approval.

A student approved for early graduation shall be considered a graduate on the date the student terminates their enrollment (typically the end of the first semester of their senior year), but will not receive their diploma until May. Early graduates meeting graduation requirements in January may participate in the graduation ceremony at the end of the school year, but will be considered alumni for all other activities.



## HONORS AND AWARDS



Beginning with the Class of 2024, the class rank system will be replaced with a Latin Honors system.

As a replacement to the class ranking system, Sturgeon High School honors all students who meet the requirements below. In order to qualify for these honors, students must be enrolled for 8 semesters during their high school career\*. This recognition will be during commencement ceremonies.

Summa Cum Laude ( <i>with highest honor</i> )	Cumulative GPA of 3.95-4.00 and 22 or higher on the ACT
Magna Cum Laude ( <i>with great honor</i> )	Cumulative GPA of 3.85-3.94 and 21 or higher on the ACT
Cum Laude ( <i>with honor</i> )	Cumulative GPA of 3.75-3.84 and 20 or higher on the ACT

**\*Honors will be based off students' 7th semester GPA\***

Class Rank will be available upon request

## A+ PROGRAM



Sturgeon High School is a designated A+ School. If state funds are available, A+ certified students will receive reimbursement for the cost of tuition and general fees while attending a Missouri public community college or career/technical school on a full-time basis for two years. This financial reimbursement will be for the unpaid balance after federal post-secondary financial assistance funds (that do not require repayment) have been applied. This is also on the condition that the student meets ALL of the requirements below:

1. Be a US Citizen
2. Attend a designated A+ high school for two (2) years prior to high school graduation (Must apply no later than Nov. 1 of your senior year.
3. Graduate from high school with a cumulative grade point average of 2.5 or higher on a 4.0 scale (grades 9-12)
4. Have at least a cumulative 95% attendance record (grades 9-12)
5. Perform and document fifty (50) hours of unpaid tutoring or mentoring coordinated by the Sturgeon HS A+ Coordinator (up to 12.5 hours can include job shadowing experiences)
6. Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol (not be suspended from school more than once and no Safe School Act Violations, grades 9-12)
7. Earn a score of Proficient or higher on the Algebra I, Geometry, or Algebra 2 End of Course Assessment (or by alternate assessment determined by the State)

The A+ Schools Program's student financial incentive will be available for up to two (2) years of attendance during a four-year period after graduation from high school. To access the funds, participants must:

- Submit a Free Application for Financial Student Aid (FAFSA) form during their senior year
- Have registered for the Selective Service (male U.S. citizen age 18 or older)

To maintain eligibility, participants must:

- Attend a Missouri A+ participating public community college or career/technical school on a full-time basis, and
- Maintain a grade point average of 2.5 or higher on a 4.0 scale.

The A+ program may provide these educational incentives 1) provided state funds are appropriated by the legislature or 2) subject to state funding approval.

For more information about the A+ Scholarship Program please visit <http://dhe.mo.gov/ppc/grants/aplusscholarship.php> or contact Mrs. Gramke.



## POST-SECONDARY OPTIONS



Regardless of which career path or career cluster a student chooses, there are many educational opportunities available after high school graduation. Many career opportunities require some formal training beyond high school. Such training opportunities, in no particular rank or order, could include:

1. Military
2. Vocational/Technical School
3. Apprenticeship
4. On-the-Job Training
5. Community College
6. Four-year colleges and universities

### Post-Secondary Education:

Students planning to attend a post-secondary college or university, or other training program, need to be aware that these institutions will most likely have admission standards. Students planning on attending a 4-year college or university, either in Missouri or out of state, will normally be expected to complete course requirements that exceed high school graduation requirements. **Students must check with the post-secondary institution of their choice for specific admissions requirements.**



## TYPES OF FINANCIAL ASSISTANCE



### **Scholarships:**

Scholarships are non-repayable awards based on merit or merit plus need. There are many types of post-secondary grants and scholarships available to students. In addition, many colleges and universities offer their own scholarships based on high school achievement. Other scholarships may be available based on competitive examinations. The National Merit is an example of a competitive scholarship. Other scholarships may be granted to students who possess special skills such as athletic or musical ability. Students should meet with their school counselor to discuss scholarship information. Students should listen to the daily announcements, check school email regularly, and check school specific financial aid/scholarship webpages.

**NOTE:** Keep in mind that scholarships have due dates so please check those and make sure your applications are turned in on time!

### **Grants:**

Grants are non-repayable awards based on need.

### **Loans (Financial Aid):**

Educational loans are available through private lending institutions, colleges, and the federal government.

Educational loans must be repaid. Most educational loans have low interest rates with payments deferred while the student is enrolled in a post-secondary institution. Loan programs are also available to parents to help with college expenses for their qualifying children.

- To apply for Federal Financial Aid Loans and for schools to determine the amount of aid they can provide, students and parents must complete the Free Application for Federal Student Aid (FAFSA).
  - You can visit [fafsa.gov](http://fafsa.gov) to fill out the FAFSA online.
- Students and parents can contact local lending and post-secondary institutions regarding Financial Aid Loans.
- Students and parents can visit the MOHELA website at [www.mohela.com](http://www.mohela.com) for more Financial Aid Loan information.
- For parents interested in beginning to save for their child's post-secondary education before they get to high school, you can visit the Missouri Saving For Tuition Program at [www.missourimost.org](http://www.missourimost.org). You can also contact them via phone at 1-888-414-6678.

**For more information concerning Financial Assistance please contact the school you are interested in attending.**



## STUDENT ACTIVITIES



Students at SHS are strongly encouraged to be involved in one or more activities. Involvement in extracurricular activities allows students to expand their talents, skills, and to establish lifelong friendships. SHS has a variety of clubs, organizations, performance opportunities, and teams so everyone can be involved!

**\*All athletic and extracurricular activities will require student drug-testing as mandated by the SHS School Board\***

### **Clubs and Organizations:**

Art Club, Cheerleading, Pep Squad, Drama Club, FBLA (*Future Business Leaders of America*), FFA, FFA Trapshooting, FTA (*Future Teachers of America*), National Honor Society, National Art Honor Society, Scholar Bowl (MSHSAA), Science Club, Student Council, Writing Club

### **Band, Drama, and Music:**

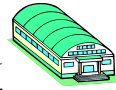
Instrumental and vocal competitions and concerts, Tri M Music Honor Society

### **Interscholastic Sport by Season:**

Season	Sport
Fall	Girls Softball, Boys Baseball, Girls Golf
Winter	Girls & Boys Basketball, Cheerleading
Spring	Boys Baseball, Boys & Girls Track, Boys Golf



## **NCAA INFORMATION**



High school student-athletes who are considering playing at the NCAA Division I or II level need to register with the NCAA Clearinghouse at the beginning of their junior year in high school.

Student-athletes must meet the core-course requirements as outlined on the Clearinghouse website.

- There are also “Quick Reference Sheets” explaining these core-course requirements located on NCAA website.

To register with the Clearinghouse or to find more information students should visit:

- <https://web3.ncaa.org/ecwr3/>
- Students can also call the NCAA Clearinghouse at 1.877.262.1492



## **NAIA INFORMATION**



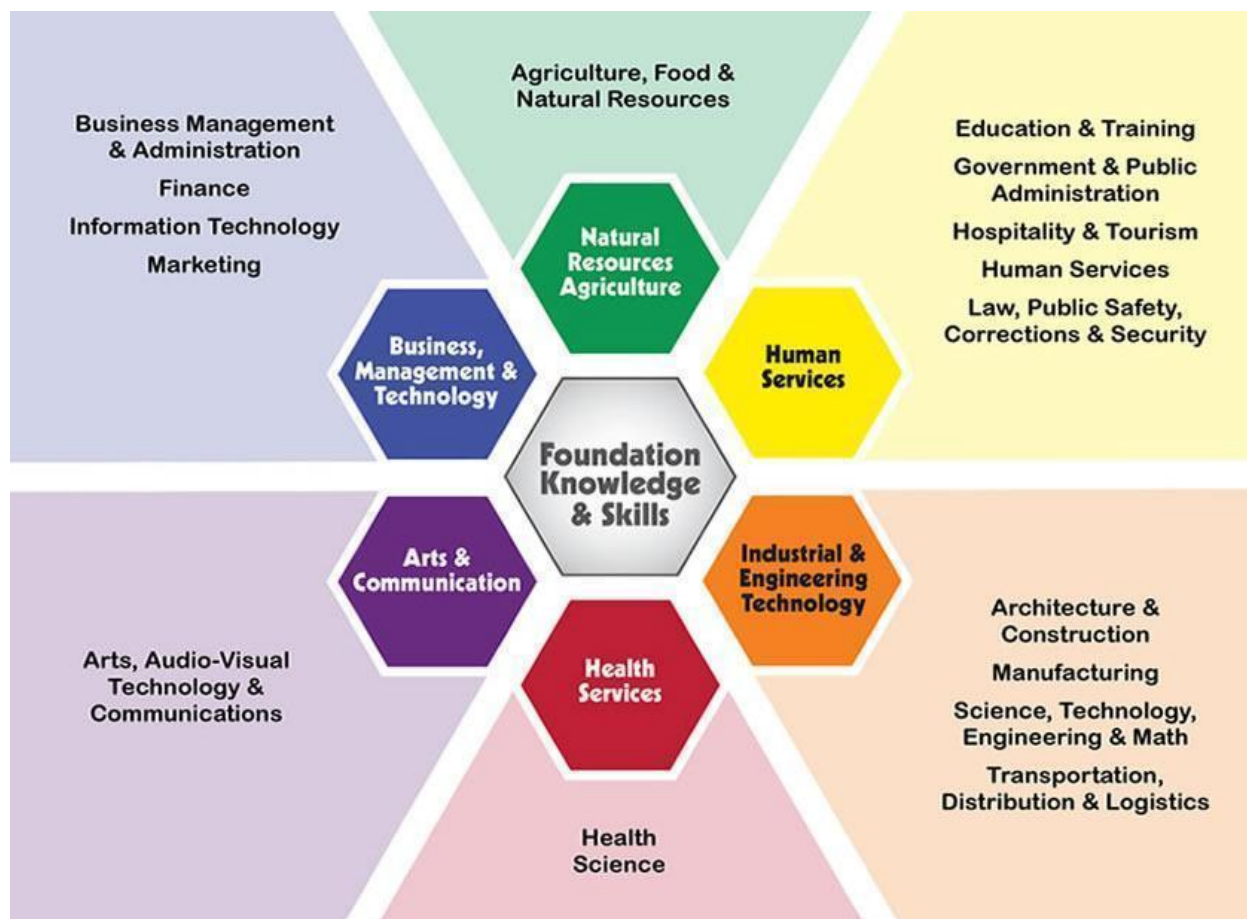
The NAIA Eligibility Center is responsible for determining the NAIA eligibility of first-time student-athletes. Any student playing NAIA championship sports for the first time must meet the eligibility requirements. Students must have their eligibility determined by the NAIA Eligibility Center, and all NAIA schools are bound by the center's decisions.

For more information about the NAIA registration process please visit the websites below:

- <https://www.playnaia.org/page/faqs.php>
- <https://www.playnaia.org/page/freshmen.php> (click on register now link after reading information)

## CAREER INFORMATION

This diagram is a visual map of the "Career Clusters" model developed to help students, parents, employers, and those in the educational system understand how curriculum relates to the career opportunities from which students will choose, and for which schools must prepare them.



## RECOMMENDED COURSES

The courses below represent recommended courses for high school graduation. As you become more familiar with what occupation you are interested in you will take courses that will help you prepare for that occupation and entrance to any post-secondary institutions you may apply to.

<b>FRESHMEN</b>	<b>SOPHOMORES</b>	<b>JUNIORS</b>	<b>SENIORS</b>
English I	English II	English III	4 <sup>th</sup> Required English Course
Algebra I or Geometry	Geometry or Algebra II	Algebra II or other 3 <sup>rd</sup> math offered	4 <sup>th</sup> Math Course for those attending 4 year college
American History	World History	American Government	Dual Credit
Physical Science	Biology	3 <sup>rd</sup> Required Science Course	Dual Credit
P.E.	Personal Finance/Health	May attend MATC	May attend MATC
Seminar	Seminar	Seminar	Seminar
2 Elective Credits: Ag Science, Art, Band, Choir, Foreign Lang, Business	2 Elective Credits	Choose from core requirements or elective courses	Choose from core requirements or elective courses

\*Classes may not follow this exact path. Students and the School Counselor will work together to create the path that best meets the students' needs\*

# **2023-2024 STURGEON HIGH SCHOOL COURSE OFFERINGS**

## **COURSE DESCRIPTIONS**

Courses marked with an \* are courses offered for possible college credit.

*All courses will have a final exam at the end of 1<sup>st</sup> semester and a final exam at the end of 2<sup>nd</sup> semester. The 2<sup>nd</sup> semester final exam may be comprehensive (teacher's discretion). Each final exam or EOC may be worth up to 10% of the final semester grade.*

### **AGRICULTURE SCIENCES DEPARTMENT**

Agriculture Education: Agriculture Education comprises a three circle model including Classroom Instruction, FFA, and SAE.

Classroom: Students will be engaging with a variety of concepts implemented by the Missouri Department of Secondary Education. Students will learn plant sciences, animal sciences, food sciences, mechanical and industrial skills, conservation and natural resources according to the AFNR career standards and curriculum standards located on the Missouri Department of Secondary Education Agriculture Education website.

FFA: Students enrolled in Agricultural Education courses will be required to participate in FFA materials in class and are not required but encouraged to retain membership in the Sturgeon FFA Chapter. Regardless of membership status, FFA materials will be used and referenced in class, per the curriculum standards located on the Missouri Department of Secondary Education Agriculture Education website.

SAE: All students enrolled in an agriculture class will be expected to create and maintain a Supervised Agriculture Experience. The SAE is a project the student develops by producing an agriculture product or working in an Ag related industry. The SAE is required all years a student is enrolled in agriculture classes. The instructor will discuss with students what programs will be approved as an SAE. Students fulfilling the completion requirements will be required to participate in assessments implemented by the Missouri Department of Secondary Education.

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**COURSE: Ag Science 1**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** A course designed for instruction in animal science, agricultural mechanics, careers, leadership, and supervised agricultural experience. Units may include agribusiness, fish and wildlife management, and food science. (CD 01 6710 - CIP 02.0101 - VIMS 01.9998)

*\* This is the recommended course for any 9<sup>th</sup> grade student interested in Agricultural classes.*

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**COURSE: Ag Science 2**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 10-12**  
**PREREQUISITE: Ag Science I**

**COURSE DESCRIPTION:** A course designed for instruction in plant and crop science, soils, entomology, horticulture, and/or forestry, and additional instruction in agricultural mechanics, careers, leadership, and supervised agricultural experience. (CD 01 6760 - CIP 02.0101 - VIMS 01.9999)

*\*Ag Science 1 & 2 are the prerequisites for all future Agricultural classes.*

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**COURSE: \*Animal Science**  
**COURSE LENGTH: 1st Semester**

**CREDIT: .5      GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology may be included in this course. (CD 01 6711 - CIP 01.0301 - VIMS 01.0302) *This course is usually paired with Food Science and Technology 2<sup>nd</sup> semester.*

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**COURSE: \*Agricultural Communications and Leadership**  
**COURSE LENGTH: 1st Semester**

**CREDIT: .5      GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** This course will enable students to develop the knowledge, attitudes and skills to demonstrate positive leadership for agriculture. Areas of focus include public speaking, extemporaneous speaking, impromptu speaking, written communication, meeting people, good first impressions, personal goals, team work, team/organizational goals, organizing groups to take action and evaluation of team/organizational actions. (CD 016742, CIP 01.0101)

*This course is usually paired with Agribusiness Sales & Marketing 2<sup>nd</sup> semester.*

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**COURSE: \*Agribusiness Sales & Marketing**  
**COURSE LENGTH: 2nd Semester**

**CREDIT: .5    GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** Human relations, personal inventory, careers in selling, and other experiences necessary for employment in agribusiness engaged in marketing, purchasing and storing, grading, and transporting supplies and products. (CD 01 6741 - CIP 01.0501 - VIMS 01.0503)

*This course is usually paired with Agricultural Communications and Leadership 1st semester.*

**COURSE: \*Food Science and Technology**  
**COURSE LENGTH: 2nd Semester**

**CREDIT: .5    GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** This course includes the areas of food chemistry and nutrition, food additives, food packaging and labeling, evaluation of foods, food microbiology, food processing, food fermentation, principles of sanitation and quality control. (CD 01 6790 - CIP 01.0401 - VIMS 01.0401) *This course is usually paired with Animal Science 1st semester.*

**COURSE: \*Floriculture**  
**COURSE LENGTH: 1st Semester**

**CREDIT: .5    GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** This course includes the production, arrangement, and retailing of flowers. Included should be fresh, silk, or dried flowers from which corsages, wedding bouquets, table flower arrangements, and seasonal holiday decorations will be made. (CD 01 6765 - CIP 01.0601 - VIMS 01.0603) *This course is usually paired with Nursery Operation and Management 2nd semester.*

**COURSE: \*Nursery Operation & Management**  
**COURSE LENGTH: 2nd Semester**

**CREDIT: .5    GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** This course includes the production of plants, shrubs, and trees for the purpose of transplanting or propagation. Approved practices in wholesaling and retailing of nursery crops will be applied. (CD 016766, CIP 01.0601) *This course is usually paired with Floriculture 1st semester.*

**COURSE: \*Agricultural Construction**  
**COURSE LENGTH: 1st Semester**

**CREDIT: .5    GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** This course utilizes welding in the development and construction of major metal and wood shop projects. (CD 01 6770 - CIP 01.0201 - VIMS 01.0203) 5 Course Rationale - Agriculture encompasses the food, fiber, conservation, and natural resource system, employing over 20% of the nation's workforce. Advanced skills in welding, woodworking, and project construction provides students with entry level agricultural construction skills. *This course is usually paired with Agricultural Structures 2nd semester.*

**COURSE: \*Agricultural Structures**  
**COURSE LENGTH: 2nd Semester**

**CREDIT: .5    GRADE LEVEL: 11-12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** This course includes electrical wiring, electrical motors, concrete masonry, plumbing and sewage disposal, farm fences, product handling and processing equipment, and farm buildings. (CD 01 6720 - CIP 01.0201 - VIMS 01.0205) *This course is usually paired with Agricultural Construction 1st semester.*

**COURSE: Supervised Agricultural Experience Co-Op**  
**COURSE LENGTH: Year**

**CREDIT: Students can earn up to 1.5  
credit per year**  
**GRADE LEVEL: 12**  
**PREREQUISITE: Ag Science 1 & 2**

**COURSE DESCRIPTION:** This course provides for the enrollment of students that are released on school time to complete a cooperative occupational experience in an approved training station in agriculture. A signed training agreement and training plan must be completed for each student. (CD 01 6780 - CIP 01.999 - VIMS 01.9900)

## ART DEPARTMENT

**COURSE: Art I**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** This beginning art class teaches the elements of art and principles of design. This course is designed as a beginning art class for students wishing to pursue upper level art courses as well as for those who wish to satisfy their Fine Arts requirements for high school graduation. Students will explore basic art media and techniques, such as drawing, painting, collage, ceramics, printmaking, and sculpture and more! Art criticism, aesthetics, and art history are an integral part of the class. Grades are earned both by ability and effort. *\*This course is the prerequisite for most Art related courses*

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**COURSE: Art Appreciation**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Art Appreciation does not require students to have art production skills, as focus is not on creating artwork. Students may expect hands-on and exploratory projects to accompany coursework. Students will describe, analyze and evaluate artworks from prehistory through present-day, and from multiple aesthetic perspectives and cultures. Students will gain understanding of the architecture, sculpture, painting and other artworks from a diverse and rich historical and cultural context.

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**COURSE: Art II**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 10-12**  
**PREREQUISITE: B or better in Art I or teacher approval**

**COURSE DESCRIPTION:** This course is for all students who want to pursue an interest or future career in visual arts. Students will create original artwork in realistic, abstract, and nonobjective styles. Inspired by observation and imagination, they will express themselves through the themes of still life, landscape, and portrait. They will learn about and use drawing, painting, sculpture, and mixed media techniques to create two- and three-dimensional artworks. Students will analyze and critique artworks, discuss aesthetic issues, and understand how art is related to history and culture.

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**COURSE: Art III & IV**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 11-12**  
**PREREQUISITE: C or better in Art II/III or teacher approval**

**COURSE DESCRIPTION:** Students will develop technical skills in the use of drawing and printmaking media. They will create original two-dimensional artworks based upon the themes of observation, expressive figure/portrait, architecture, landscape, still life, and personal communication of an idea. Students will learn and use watercolor and acrylic paint techniques to create original two-dimensional artworks. They will express themselves through the themes of observation, still life, figure, portrait, landscape, and a student-selected conceptual theme. They will create original, three-dimensional artworks using modeling, carving, assemblage, and casting methods. Students will develop and use ceramic hand-building methods and decorative surface techniques. They will create original functional and non-functional pieces. Work will be inspired by the historical study of the Renaissance, Impressionism, Post Impressionism, and Cubism. Students will analyze and critique artworks, discuss aesthetic issues, and understand how art is related to history and culture.

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**COURSE: Crafts**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 10-12**  
**PREREQUISITE: B or better in Art I or teacher approval**

**COURSE DESCRIPTION:** Arts and Crafts course is intended to introduce the student to the traditional craft media including ceramics, weaving and fabric arts, wood burning, and jewelry making, as well as other processes valued and shared within societies around the world. Students will consider the purposes of art within society, note differences between fine art and craft, functional art and decorative art. Students will learn about subcultures within America and the crafts known within specific regions.

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## **BUSINESS EDUCATION DEPARTMENT**

**COURSE: Computer Applications I (Microsoft Word)**  
**COURSE LENGTH: 1st Semester**

**CREDIT: 0.5    GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Students will format and prepare different forms of business communication such as tables, letters, memorandums, reports, resumes, cover letters.

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**COURSE: Computer Applications II (Microsoft Excel)**  
**COURSE LENGTH: 2nd Semester**

**CREDIT: 0.5    GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Students will create, format, edit and prepare charts and graphs.

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**COURSE: Business Law**  
**COURSE LENGTH: Year**

**CREDIT: 1    GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers and employees through a mixture of personal, business and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law and community property.

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**COURSE: Personal Finance**  
**COURSE LENGTH: Semester**

**CREDIT: .5    GRADE LEVEL: 10-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Personal Finance provides instruction on money management skills which include credit, investments, banking, budgeting, finance of housing/automobiles, taxes, and consumer purchases. Students will also learn how to protect themselves against risk and financial loss. *This course is usually paired with a semester of Health.*

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**COURSE: Mass Media (Yearbook)**  
**COURSE LENGTH: Year**

**CREDIT: 1    GRADE LEVEL: 10-12**  
**PREREQUISITE: Application/Teacher Approval**

**COURSE DESCRIPTION:** This course is commonly referred to as Yearbook. Students of all grade levels work throughout the school year to create a well-planned book to display the hard work, achievements, and activities of Sturgeon students. Students enrolled in this class learn firsthand time management skills, marketing, sales, and teamwork.

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**COURSE: Accounting I**  
**COURSE LENGTH: 1st Semester**

**CREDIT: 1    GRADE LEVEL: 10-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** This course provides an introduction to the field of accounting. It presents the fundamental principles of the Accounting Cycle and is designed to emphasize the theory of accounting. Students will learn to record transactions in all types of accounting journals and to prepare all related accounting financial statements. *This course will alternate with Accounting II.*

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**COURSE: Accounting II**  
**COURSE LENGTH: 2nd Semester**

**CREDIT: 1    GRADE LEVEL: 10-12**  
**PREREQUISITE: Accounting I**

**COURSE DESCRIPTION:** This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules and using inventory and budgetary control systems.

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## ENGLISH LANGUAGE ARTS DEPARTMENT

**COURSE: English 1**

**COURSE LENGTH: Year**

**CREDIT: 1    GRADE LEVEL: 9**

**PREREQUISITE: None**

**COURSE DESCRIPTION:** English 1 is a required first-year course in the English Language Arts program. The purpose of the course is to provide students with a solid foundation in writing Standard English, Civil Literacy, grammar, research, speaking and listening skills, as well as reading and evaluating basic forms of literature.

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**COURSE: English 2**

**COURSE LENGTH: Year**

**CREDIT: 1    GRADE LEVEL: 10**

**PREREQUISITE: English 1**

**COURSE DESCRIPTION:** English 2 focuses on writing, World Literature, grammar, research, and speaking and listening skills. Writing instruction emphasizes vocabulary, accepted patterns of organization, development and support of ideas, and acceptable usage and mechanics. In addition, students will read and study major writings in World Literature. *Students taking this course will be required to take the English 2 End-of-Course (EOC) Exam at the completion of the second semester.*

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**COURSE: English 3**

**COURSE LENGTH: Year**

**CREDIT: 1    GRADE LEVEL: 11**

**PREREQUISITE: English 2**

**COURSE DESCRIPTION:** English 3 focuses on the analysis and interpretation of American literature and its historical significance. The writing element of the course includes a wide range of skills from responding to literature; researching a topic and applying a mode of reference; to successfully applying grammar, usage, and mechanics correctly to written work.

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**COURSE: English 4**

**COURSE LENGTH: Year**

**CREDIT: 1    GRADE LEVEL: 12**

**PREREQUISITE: English 3**

**COURSE DESCRIPTION:** English IV (ELA IV) focuses on the continued development of writing and grammar skills, building on previous years in ELA classes. ELA IV will include reading and discussion of literature, poetry, and drama. Technical English skills, research skills, and presentation formats for information dissemination are also a part of the class.

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**COURSE: \*DC COMP 101**

**COURSE LENGTH: 1<sup>st</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 12**

**PREREQUISITE: English 3, 3.0+ GPA,  
18+ on ACT Reading and English**

**COURSE DESCRIPTION:** Composition LAL101 (1<sup>st</sup> semester) teaches the process of writing, from prewriting to revision. Focus is on reading and critical thinking, essay writing, and literary analysis. Course provides practice in computer-assisted writing and oral communication. *This course is usually paired with Public Speaking 2<sup>nd</sup> semester.*

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**COURSE: \*DC SPK 101**

**COURSE LENGTH: 2<sup>nd</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 12**

**PREREQUISITE: English 3, 3.0+ GPA,  
18+ on ACT Reading and English**

**COURSE DESCRIPTION:** This course studies the role of speaking in communication in both formal and informal situations. The course includes a study of the communication process, the role of the listener, methods of speech organization, informative and persuasive techniques, and effective delivery. *This course is usually paired with Comp 101 1<sup>st</sup> semester.*

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**COURSE: Shakespeare**

**COURSE LENGTH: 1<sup>st</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 10-12**

**PREREQUISITE: English I**

**COURSE DESCRIPTION:** The study of Shakespeare is designed to acquaint students with several of the most popular works of the playwright. Students will develop an understanding and appreciation for the works of Shakespeare through close reading, scene performance, discussion, and class projects. Students will view several films of the plays and compare the interpretations to the written works. *This course is usually paired with Applied Communications 2<sup>nd</sup> semester.*

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**COURSE: Applied Communications**  
**COURSE LENGTH: 2<sup>nd</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 10-12**  
**PREREQUISITE: English I**

**COURSE DESCRIPTION:** Applied Communication is a one-semester introduction course that looks initially at how we communicate with ourselves personally and practically. Using this as our base, the course steps into the world around yourself looking at transactional communication with others, then delving into how we can apply communication skills in the workplace, our world around us, and engage social issues and media. Finally, the course looks at interpersonal communication skills with others and the process of building relationships, as well as the stages relationships go through. Like VISA, you'll find this class to be Priceless. *This course is usually paired with Shakespeare 1<sup>st</sup> semester.*

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**COURSE: Greek Mythology I/II**  
**COURSE LENGTH: 1<sup>st</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 10-12**  
**PREREQUISITE: English I**

**COURSE DESCRIPTION:** Greek Mythology focuses on the major Greek gods and goddesses, the heroes, the great quests, and the creation stories that have become part of the fabric of our cultural literacy and heritage. Students will study and analyze the myths, identify the presence of the influence of Greek myth in our society, in our literature, and in the media. Over the semester we will read parts of The Iliad and The Odyssey, as well as Antigone and sections from other plays. Advanced course option is available upon teacher approval and will be more project based and student led. *This course is usually paired with World Mythology 2<sup>nd</sup> semester.*

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**COURSE: World Mythology I/II**  
**COURSE LENGTH: 2<sup>nd</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 10-12**  
**PREREQUISITE: English I**

**COURSE DESCRIPTION:** World Mythology focuses on the major gods and goddesses, the myths, and the creation/destruction stories from Prehistorical eras, Mesopotamia, Egypt, Scandinavia, Great Britain, India, China, Africa, and the Americas that have interested humans for thousands of years. Students will study and analyze the myths, identify the major characters, identify the art and objects of the time periods, and connect the various mythologies to the modern era. Advanced course option is available upon teacher approval and will be more project based and student led. *This course is usually paired with Greek Mythology 1<sup>st</sup> semester.*

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**COURSE: Creative Writing I/II**  
**COURSE LENGTH: 1<sup>st</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 10-12**  
**PREREQUISITE: English 1**

**COURSE DESCRIPTION:** In Creative Writing students will complete a variety of writing projects. Subjects written about may include tall tales, fantasy myths, short stories, etc. The course will enrich the student's imagination as well as increase vocabulary, grammar, and writing skills. Advanced course option is available upon teacher approval and will be more project based and student led. *This course is usually paired with Contemporary Literature 2<sup>nd</sup> semester.*

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**COURSE: Contemporary Literature I/II**  
**COURSE LENGTH: 2<sup>nd</sup> Semester**

**CREDIT: .5    GRADE LEVEL: 10-12**  
**PREREQUISITE: English 1**

**COURSE DESCRIPTION:** In Contemporary Literature students will complete genre studies using contemporary young adult literature. Students will strengthen reading comprehension and participate in a variety of group and individual projects. Advanced course option is available upon teacher approval and will be more project based and student led. *This course is usually paired with Creative Writing 1<sup>st</sup> semester.*

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## ELECTIVES

**COURSE: Seminar**  
**COURSE LENGTH: Year**

**CREDIT: N/A GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Each student will be assigned to a Seminar homeroom. Seminar is scheduled four days a week (T, W, TH, F) for 30 minutes for students not attending MATC. Students will have the opportunity to obtain 1:1 or small group instruction from classroom teachers to review classroom curriculum, review for tests, etc. Each SHS student will have a seminar class during the day unless you attend MATC.

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**COURSE: Office Assistant**  
**COURSE LENGTH: Year**

**CREDIT: .5 GRADE LEVEL: 12**  
**PREREQUISITE: Must Apply**

**COURSE DESCRIPTION:** Only Seniors may APPLY to be office assistants. Students selected to be office assistants may be assigned to the library, main office, or counseling office. Students will be involved in basic clerical work, running errands, making copies, sorting mail, updating bulletin boards, and other general office duties. The student will be under the direction and supervision of staff and administration. Students will be graded on their ability to complete tasks assigned as well as their attitude, behavior, and willingness to work. Students will earn a .25 credit each semester for a total of .5 elective credit for the year. ***You must fill out an application and be selected by office staff before becoming an office assistant.***

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**COURSE: Teacher's Aide**  
**COURSE LENGTH: Semester**

**CREDIT: .5 GRADE LEVEL: 11-12**  
**PREREQUISITE: Application required**

**COURSE DESCRIPTION:** Aides assist teachers in the classroom with various activities. Any student interested in being an aide must have signed permission from the teacher before enrolling in the class. Credit is pass/fail and does not count in the G.P.A. Students may enroll in only one teacher's aide per year. Juniors and Seniors .5 elective credit. ***You must fill out an application and be approved before becoming a Teacher's Aide.***

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**COURSE: A+ Tutor**  
**COURSE LENGTH: Year**

**CREDIT: 1 GRADE LEVEL: 11-12**

**PREREQUISITE: Teacher, Counselor, and Administrator Approval – Completion of the A+ Schools Program Letter of Intent and must meet all program requirements as defined in the Sturgeon R-V High School A+ Schools Program Handbook.**

**COURSE DESCRIPTION:** A+ Tutoring is designed to provide A+ Schools Program participants the opportunity to complete at least 50 hours of unpaid school-based tutoring with students enrolled in the Sturgeon R-V School District under the direct supervision of district staff members. A+ Tutors will provide students with academic assistance to improve their knowledge base and skills. A+ Tutors can choose to complete their tutoring hours during summer school or during their senior year of high school. Placement will be determined by classroom need and teacher selection. If you will be tutoring at the K-8 building you MUST have reliable transportation. ***You must be approved by the school counselor, A+ Coordinator, and Administration before starting your tutoring hours. Summer school tutoring hours may or may not count for high school elective credit***

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**COURSE: School Flex Program**

**CREDIT: Students can earn up to 1.5 credit per year**  
**GRADE LEVEL: 12**  
**PREREQUISITE: Job/Approval**

**COURSE LENGTH: Year**

**COURSE DESCRIPTION:** The School Flex Program (Section 160.539 RSMo) affords schools the opportunity to offer an alternative delivery system for students in grades 12, who have been identified by their high school principal, parents, or guardians, as potentially benefiting from an alternative delivery system in order to pursue a timely graduation. Participants in this program must attend school for at least two instructional hours per day and earn credit in classes needed for graduation, maintain a 95% attendance rate, and avoid suspension or expulsion. In addition, there must be evidence that participants are enrolled and attending college or career technical programs and/or proof of employment. All components of the plan must align to the student's Individual Career Academic Plan (formerly known as a Personal Plan of Study), which has been developed by the school district with the student.

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## FOREIGN LANGUAGE

**COURSES:** Spanish 1

**CREDIT:** 1

**GRADE LEVEL:** 9-12

**COURSE LENGTH:** Year

**PREREQUISITE:** For 1<sup>st</sup> year Foreign Language students must have had a B or higher in their previous English course. For subsequent years of Foreign Language students must pass the previous year of Foreign Language.

**NOTE:** Course are online through Missouri Connections Academy

**COURSE DESCRIPTION:** Students cover basic vocabulary, grammar, spelling, and punctuation to build a solid foundation for further study. Assignments include engaging in simple conversation, writing paragraphs, and listening to Spanish dialogue. Students also study the history and culture of Spanish-speaking peoples.

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**COURSES:** Spanish II

**CREDIT:** 1

**GRADE LEVEL:** 9-12

**COURSE LENGTH:** Year

**PREREQUISITE:** Spanish I

**NOTE:** Course are online through Missouri Connections Academy

**COURSE DESCRIPTION:** Students will engage in more advanced conversations, write paragraphs and stories, and translate to and from Spanish, students improve their vocabulary and grammar. Intense listening comprehension exercises aid in understanding more complex thoughts and subjects.

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# MATH DEPARTMENT

## Suggested Math Sequence

Algebra 1 > Geometry > Algebra 2 > Statistics (11<sup>th</sup>) > Trig/Calculus (11/12<sup>th</sup>) > College Algebra (12<sup>th</sup>)

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**COURSE: Algebra 1**

**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9**

**PREREQUISITE: None**

**COURSE DESCRIPTION:** Algebra 1 is designed to build on middle school math skills and develop a more symbolic, abstract, and problem solving approach to mathematics. Students will be able to solve linear and quadratic equations and model problems using linear, quadratic, and exponential functions. Students will be able to graph various linear and nonlinear one and two variable functions. Students will be able to display and analyze data in multiple formats. *Students taking this course will be required to take the Algebra 1 End-of-Course (EOC) Exam at the end of the second semester.*

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**COURSE: Geometry**

**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**

**PREREQUISITE: Algebra 1**

**COURSE DESCRIPTION:** Geometry is the understanding and applying concepts, proofs, theorems, and relationships of geometric shapes, lines, and angles. Students will understand and apply the fundamentals of mathematics and geometry for both classroom and real-life situations. Students will apply appropriate techniques, tools and formulas to determine measurements. Students will analyze characteristics and properties of two and three dimensional shapes and develop mathematical arguments about geometric relationships. *Students taking this course may be required to take the Missouri End-of-Course (EOC) Exam at the end of the second semester.*

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**COURSE: Algebra 2**

**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 10-12**

**PREREQUISITE: Geometry**

**COURSE DESCRIPTION:** Algebra 2 will strengthen students' knowledge and skills obtained in Algebra 1 and introduce problem solving strategies using exponential, logarithmic, polynomial, rational, and radical functions. Students will have a good understanding of the more advanced algebraic concepts and be prepared to advance to higher mathematics. *Students who took the Algebra 1 EOC Exam in 8<sup>th</sup> grade will have to take the Algebra 2 EOC Exam in high school in order to meet state accountability requirements. Other students taking this course may be required to take the Missouri End-of-Course (EOC) Exam at the end of the second semester.*

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**COURSE: \*DC Precalculus Algebra (MTH140)**

**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 11-12**

**PREREQUISITE: 3.0+ GPA, 22+ on  
ACT Math**

**COURSE DESCRIPTION:** DC College Precalculus Algebra is intended to serve as a Calculus preparatory course. Course material includes linear functions and equations; analysis of graphs and functions, including piecewise; absolute value equations and inequalities; quadratic and polynomial functions; rational, power and root functions; inverse, exponential and logarithmic functions; systems of equations and matrices.

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**COURSE: Trigonometry**

**COURSE LENGTH: 1<sup>st</sup> Semester**

**CREDIT: .5      GRADE LEVEL: 11-12**

**PREREQUISITE: Algebra 2**

**COURSE DESCRIPTION:** Trigonometry will provide an introduction for students who will pursue pre-calculus or higher math beyond high school. Students will learn trigonometric functions and their properties, circular functions and their graphs, oblique triangles, sinusoidal variation, vectors in the plane, complex numbers and also see how they are applied in real world problems. The use of a graphing calculator will be an integral part of the course. Students will have an understanding of trigonometric functions that they will be able to use beyond high school. Students will be able to apply trigonometric skills to solve real world problems. *This course is usually paired with Calculus 2<sup>nd</sup> semester.*

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**COURSE: Calculus I**

**COURSE LENGTH: 2<sup>nd</sup> Semester**

**CREDIT: .5      GRADE LEVEL: 11-12**

**PREREQUISITE: Trigonometry**

**COURSE DESCRIPTION:** Calculus I is an introduction to differential and integral calculus: the study of change. Students will work on the basics of Calculus be able to define and calculate limits, and continuity. Students will also learn properties of differentiation. *This course is usually paired with Trigonometry 1<sup>st</sup> semester.*

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## **MUSIC DEPARTMENT**

**COURSE: Band**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**  
**PREREQUISITE: Previous Instrumental  
Experience or Instructor Approval**

**COURSE DESCRIPTION:** Band is offered for grades 9-12, that have previous instrumental experience. If they have not, they will need permission to join this class. The band performs 3 concerts a year, attends various musical activities in our conference and district, and also adds to the excitement at home basketball games. Students are expected to attend all events in the year, this class is performance based and will have grades given for concerts and activities, along with in class assessments.

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**COURSE: Choir**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**  
**PREREQUISITE: Previous Choir  
Experience or Instructor Approval**

**COURSE DESCRIPTION:** Choir is offered for grades 9-12 that have previous choir experience. If they have not, they will need permission to join this class. Students will have in-house performances along with participating in Conference and District choir events. Students will also perform at KOMU. In odd numbered school years there is a musical in the fall that requires considerable outside time to prepare and participate. This is a SINGING class. Students are expected to participate in all of the performances. The class is performance based along with in class assignments.

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## PHYSICAL EDUCATION DEPARTMENT

**COURSE: Physical Education**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** This is an introduction to physical education where a variety of athletic events will be taught together with basic exercise and activities to improve strength, flexibility, agility and coordination. The Presidential Fitness test will also be administered in this class. This course will help students improve on the five components of physical fitness, instill good exercise habits, and help students learn about their body and its movements. *Students must earn 1 credit of PE in order to meet the state graduation requirements.*

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**COURSE: Health**  
**COURSE LENGTH: Semester**

**CREDIT: .5      GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Health is designed to explore mental, social and physical wellness. The class will promote knowledge and understanding of nutrition, family and social health, body systems and functions, and care and prevention of disease, illness and injuries. By promoting a healthy lifestyle and positive health behaviors the student will be able to better function in all aspects of daily life. Students will be able to evaluate their health and assess methods to assist with health related choices. This is an online course taught through Acellus. *This course is usually paired with a semester of Personal Finance.*

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**COURSE: Body Conditioning**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9-12**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Body Conditioning is a rigorous course designed for the student who wishes to achieve an optimum level of physical fitness through weightlifting and other cardiovascular exercises. This course will help students see improved body mass composition, improve and maintain healthy cardio levels, and give understanding and benefits of healthy body.

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## SCIENCE DEPARTMENT

**COURSE: Physical Science**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** Physical Science is an introductory course to the sciences of chemistry and physics. Students are provided the opportunity to understand, appreciate, and to relate the interaction of matter and energy in their physical environment through a variety of classroom experiences. An emphasis will be placed on performing laboratory investigations, problem solving and utilizing critical thinking skills. Students will be able to assess forces and motion and understand interactions of energy and matter. Students will be able to differentiate between atomic structures and interactions and be able to assess the structure and properties of matter.

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**COURSE: Biology**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 10**  
**PREREQUISITE: Physical Science**

**COURSE DESCRIPTION:** Biology is offered as the 10th grade core biology course. The EOC will cover all material presented in this course. Biology covers the principles of biology and presents the cell as the unit of structure and functions of organisms. Biology introduces the interrelationship between organisms and the environment in which they live. *Students taking this course will be required to take the Biology Missouri End-of-Course (EOC) Exams at the completion of the second semester.*

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**COURSE: Earth Science**  
**COURSE LENGTH: 1<sup>st</sup> Semester**

**CREDIT: .5      GRADE LEVEL: 11-12**  
**PREREQUISITE: Physical Science,  
Biology**

**COURSE DESCRIPTION:** Earth Science explores the introductory principles of the geosciences, plate tectonics, energy, biogeochemical cycles, and the atmosphere. We will also explore how basic interactions of matter and energy control global activity in the atmosphere, hydrosphere, lithosphere, and biosphere. Students will gain a working knowledge of the processes that continually shape and affect our world. Students will use projects and lab investigations to observe and describe the interactions of matter and energy as they relate to geoscience. *This course is usually paired with Astronomy 2<sup>nd</sup> semester.*

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**COURSE: Astronomy**  
**COURSE LENGTH: 2<sup>nd</sup> Semester**

**CREDIT: 1      GRADE LEVEL: 11-12**  
**PREREQUISITE: C or better in Physical  
Science; C or better in Algebra 1 or  
concurrent enrollment in Algebra I.**

**COURSE DESCRIPTION:** This course is designed to teach students the basics of astronomy and space exploration. You will more fully enjoy observing the stars as your knowledge and understanding grow. This course will provide the student with a study of the universe and the conditions, properties, and motions of bodies in space. Topics will range from ancient astronomy to the latest astrophysical theories and spaceflights. Students will investigate these through the use of star and moon charts, basic star gazing, and web-based explorations. *This course is usually paired with Earth Science 1<sup>st</sup> semester.*

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**COURSE: \*Zoology**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 11-12**  
**PREREQUISITE: Biology**

**COURSE DESCRIPTION:** Zoology will study the diversity of animal life and the adaptations that enable animals to inhabit so many ecological characteristics. Each student will be responsible for learning the main characteristics of each phylum covered in class and be able to identify them based on specimens. Students will be expected to handle and dissect various real-life specimens.

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**COURSE: \*DC General Chemistry**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 11-12**  
**PREREQUISITE: 3.0+ GPA, Equivalent**  
**of B or better in Physical Science; C or**  
**better in Biology; 2 years of HS Algebra**  
**or enrolled in MTH 140**

**COURSE DESCRIPTION:** This course is an introductory course dealing with the fundamental principles of chemistry. Topics include classification of matter and lab measurements, atomic composition of elements, molecular and ionic compounds, chemical reactions, and the manifestation of intermolecular forces in the gaseous, liquid, and solid states of matter. In comparison to Foundations of Chemistry, Chemistry I places greater emphasis upon heat transfer and quantum chemistry. This course is designed for pre-med, science, and engineering majors but is open to all students who have met the prerequisite. Prerequisite: Two years of high school algebra or must be enrolled in or have completed MTH 140.

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**COURSE: \* Human Anatomy**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 11-12**  
**PREREQUISITE: 3.0+ GPA, Equivalent**  
**of B or better in Physical Science; C or**  
**better in Biology**

**COURSE DESCRIPTION:** Human Anatomy is a general study of the structure and function of the human body and considers all major organ systems. Significant laboratory work is required to identify various systems of the human body by flag-spotting. Dissection is included in this course.

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## **SOCIAL STUDIES DEPARTMENT**

**COURSE: U.S. History**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 9**  
**PREREQUISITE: None**

**COURSE DESCRIPTION:** U.S. History provides a broad survey of the major events, individuals and themes that have defined and shaped the unique character of the American nation. The study of American history will begin with the creation of the American nation prior to 1776 and continue through modern times with primary emphasis placed on the period following the Civil War. The overall goal for this course is to develop students who are able to use the lessons from the past to contribute as informed citizens in a democratic society to America's present and future.

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**COURSE: World Geography & Cultures**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 10**  
**PREREQUISITE: U.S. History**

**COURSE DESCRIPTION:** World Geography and Cultures will provide an understanding of the major world religions, a comprehension of the cultures found in Europe, Asia, Africa, Australia, South America and North America, and identification of the location of various countries. The study of these cultures will discuss a brief history for each continent so students can understand their development. The overall goal is for students to understand the lifestyles and cultures around the world and how it impacts today's society.

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**COURSE: American Government & Economics**  
**COURSE LENGTH: Year**

**CREDIT: 1      GRADE LEVEL: 11**  
**PREREQUISITE: U.S. History**

**COURSE DESCRIPTION:** The purpose of this course is to provide a basic understanding of the foundations, structure and functions of our republican form of government. Primary focus will be placed on an in-depth study of the U.S. Constitution. The overall goal is to develop students who are able to function as educated, responsible and productive citizens in a democratic society. *Students taking this course will be required to take the American Government End-of-Course (EOC) Exam at the completion of the second semester.*

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