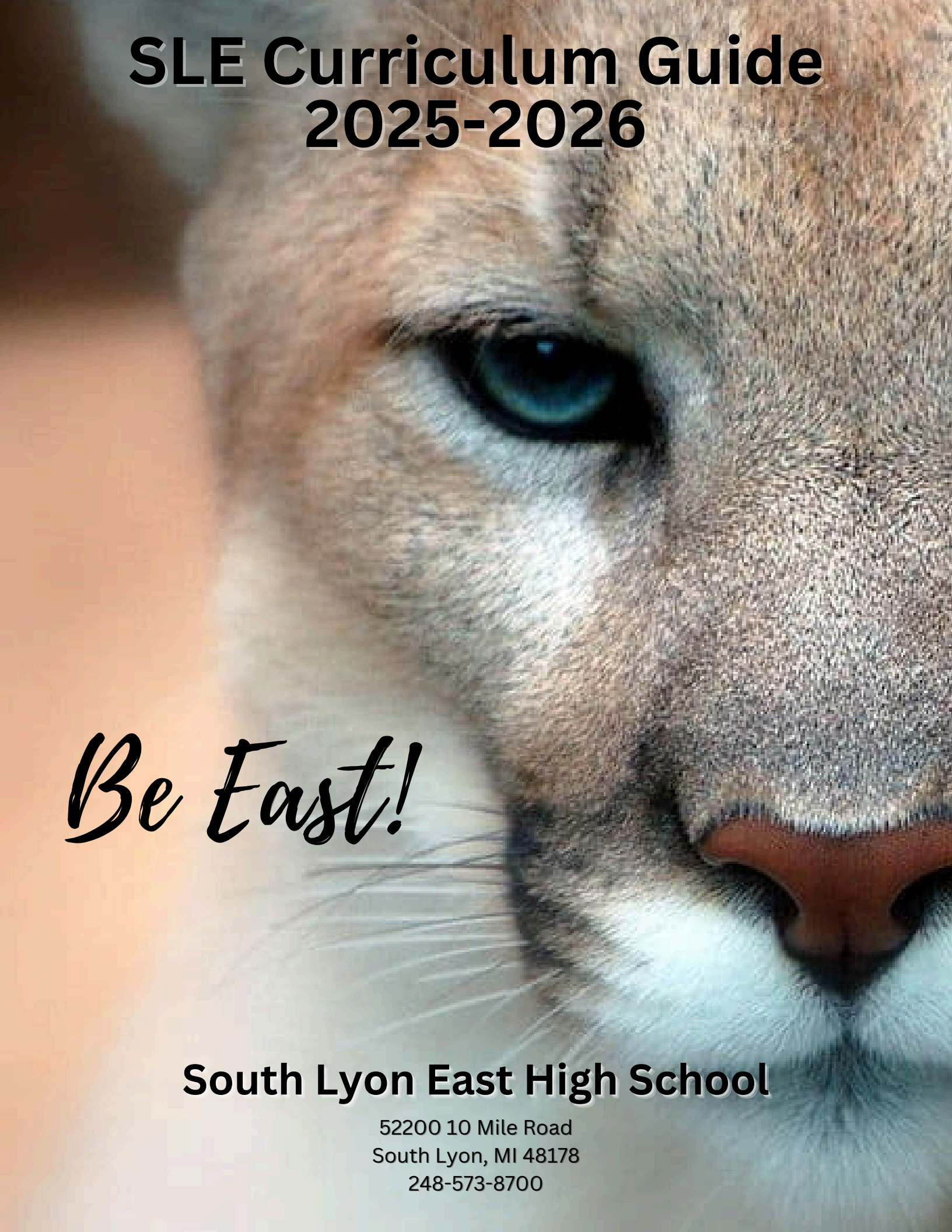
# SLE Curriculum Guide 2025-2026



*Be East!*

## South Lyon East High School

52200 10 Mile Road
South Lyon, MI 48178
248-573-8700

## High School Leadership Team

**Mrs. Karen Fisher, Principal**

**Mr. Greg Michaels, Athletic Director**

**Mrs. Leslie Munger, Assistant Principal**

**Mr. Matt Hamill, Assistant Principal**

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# South Lyon East High School

South Lyon East High School is home to more than 1200 students in grades 9 through 12. Built in 2007, the building is a state-of-the-art educational facility. The building features bright classrooms, a library/media center, gymnasium with a track, fitness center, dance studio, swimming pool, television studio, lecture hall, and a professional quality auditorium. The Commons is the central focal point of the first floor.

## *Our Faculty*

SLEHS boasts more than **60 certified teachers and counselors**. All seek out additional training to stay current in their fields. Always willing to give our students the extra assistance they need, our teachers are dedicated to student success, and to help students learn, they employ a variety of methods, such as cooperative learning, hands-on experience, problem-solving, Habits of Mind, and other effective teaching strategies. A variety of assessment methods allow students to demonstrate what they have learned.

## *Our Curriculum*

Aligned with the Department of Education's Michigan Merit/Common Core State Standard Curriculum, our program is designed to prepare students to meet college and career entrance requirements and to provide all students with a chance to pursue their interests.

We offer two Honors English courses and 14 Advanced Placement courses. Additionally, more than 50 students spend 1/2 of each day at the Oakland Schools' Technical Center, Southwest in nearby Wixom, in 12 different career pathway programs.

## *Accreditation*

Our programs and services are accredited by the North Central Association of Secondary Schools (now AdvancED) - a distinction SLCS have maintained since 1972 with an ongoing process of self-improvement and evaluation.

## *Assessment*

SLEHS students consistently meet or exceed national averages on the SAT and ACT and they compare favorably to their peers in neighboring districts on the M-STEP.

## *Calendar and Credits*

SLEHS is structured on a traditional 6-period day within two semesters per 180-day school year that runs from Labor Day through mid-June. Students earn 1/2 credit per course per semester with 24 credits possible over four years.

## Mission Statement

**The mission of South Lyon East High School is to provide students a rigorous education in order to develop responsible, knowledgeable, and respectful participants in society who make positive contributions at home, school, work, and in the global community.**

# Credits and Class Placement

## SLCS Administrative Regulation 2002

## HIGH SCHOOL CREDIT

Students have the opportunity to earn 1/2 credit per course, per semester, for a total of 3 credits each semester and 6 credits each year. Up to 24 credits may be earned in 4 years. The number of credits that you earn determines whether you graduate on time.

## CLASS PLACEMENT

Class designation is based on the number of years that a student has been in high school.

| | | | |
|---|---|---|---|
| Year 1: | Freshman | Year 3: | Junior |
| Year 2: | Sophomore | Year 4: | Senior * |

In order to assure that you are on schedule to graduate in 4 years with the required 23 credits, it is important that you monitor your progress each year so that you meet your goal. The following are the recommended credit “checkpoints” to ensure that you will graduate on time:

| By the end of: | You should have earned at least: |
|---|---|
| 9th grade | 5.5 credits |
| 10th grade | 11.0 credits |
| 11th grade | 17.0 credits |
| 12th grade | 23.0 credits |

*A senior who has not fulfilled all graduation requirements by the end of year 4 remains classified as a senior.

## TRANSFER CREDITS

Students transferring to District high schools from another school will:

- Receive credit from religion courses which shall be recorded as elective credit.
- Not receive credit toward graduation for driver education classes.
- Receive appropriate credit for other courses as indicated by sending school.

Credit from correspondence courses will not be accepted toward graduation. Academic credits for transferring students should be reconfigured to equate to the credit system for the District. These requirements may be adjusted to insure that transfer students meet specific departmental requirements for graduation.

Grades from accredited home schooling programs will not be averaged into the GPA, for any purpose, although credit may be accepted for courses passed as they apply to South Lyon curriculum. Testing out of class by achieving a final grade of 78% (C+) or higher on the testing out examination shall result in earned credit; however, it will not be included in the high school GPA for any purpose.

# Credit Recovery Options

**Administrative Regulation 2002** allows students to take one or two credit recovery additional courses during each semester of the school year and during the summer. Costs and transportation are the responsibility of the students and their families. This information is in our curriculum guide and on the district website, **www.slcs.us**.

**1. Repeat classes at South Lyon East High School**
Students have the option to retake courses that they have not passed for free at South Lyon East High School. For courses repeated at SLCS, the highest course grade will be reflected on the transcript and factored in the GPA.

**2. Summer School**
Several neighboring districts offer students the opportunity to retake required core academic courses. Information is available in Student Services in late May. Courses taken during summer school will appear on the transcript. Students should consult with their counselor or Summer School administrator regarding grades and GPA. A high school counselor, principal, or designee must approve courses to be taken. Students may earn a maximum of 1 credit for attending summer school classes.

**3. Credit Recovery/Credit Deficiency (Out of District Programs)**
These Online Credit Recovery courses are not taken through SLCS. Students should consult with their counselor regarding these program opportunities. All high school students are eligible to enroll in two online courses for up to one credit each semester, in addition to a full schedule, **only with the counselor's or principal's prior approval**. Costs and transportation are the responsibility of the students and their families. There are two online programs that we use; **Michigan Virtual** and **My Virtual Academy**. This is a pass/fail option. The student either passes or fails the online course. If the student passes, they will have earned the credit towards graduation. Courses taken online will receive a "G" grade and will not impact the GPA, but the letter grade is used to determine athletic/extra-curricular eligibility. The original grade will remain on the transcript.

**4. Online Learning Class**
This Online Credit Recovery course is taken through SLCS and is available with Principal approval as part of a course on the student's SLCS schedule. Online learning holds great promise as an instructional approach to expand and customize learning opportunities for students. This one-semester online course provides students the opportunity to learn computer skills and delve into topics surrounding the skills needed for successful learning in both online classes and traditional classroom settings. This course is offered in partnership with Graduation Alliance and students who successfully complete the assignments for this class may go on to pursue credit recovery through Graduation Alliance to stay on track for graduation. Students eligible for this course will be contacted by their counselor.

**5. Testing Out (for Credit Recovery Purposes)**
Public Act 335, Section 21B, of the state code, requires that any high school student be offered the opportunity to "test out" of any course offered by his/her high school. In order to test out, students must exhibit mastery of the course content by attaining a passing grade of 78% or better on a comprehensive final assessment. In addition, along with the exam, students may also be required to demonstrate mastery through basic assessments used in the class, which may include but not be limited to, a portfolio, research papers, projects, and/or oral presentations. If the student attains at least a 78% on the testing out assessment, s/he will receive credit in the course toward graduation, as well as allow the student to satisfy core content requirements. For example, testing out of Algebra I would allow a student to move on to Geometry. Once the testing out exam is passed, a student may not receive credit for a lower course in that course sequence. While the student will receive credit for testing out of a course with a 78% or higher, a G (credit) will be entered on the student's transcript, but a grade will not be included in the computation of the grade point average. If a student had already taken the entire course prior to testing out but did not pass the course, the failing grade will remain on the student's transcript and be averaged into the grade point average. For non-core classes, students may "place out" meaning students may take the test to place themselves in a more advanced course. Credit is not given for students placing out of course sequence. Testing Out is offered in January and June of each school year. Students should discuss the possibilities with their counselor.

# TESTING

## STATE MANDATED ASSESSMENT

Students must take the mandated state assessments during the junior year. The MME consists of three exams: SAT plus essay, ACT WorkKeys, and the M-Step.

## SAT
## (Scholastic Aptitude Test)

All juniors will take the SAT plus essay as a component of the Michigan Merit Exam in April, during the school day, at no cost to the student. In the event that a student wishes to retake the SAT, it is given on Saturday mornings throughout the school year at various test sites in the surrounding area. More information and registration for retakes can be found at **www.collegeboard.org**.

## PSAT
## (Preliminary Scholastic Aptitude Test)

This test is given to all 11th grade students in the fall and to 9th and 10th grade students in the spring. Juniors taking the PSAT will be eligible for the National Merit Scholarship Competition.

## ACT + WRITING

This test is given on Saturday mornings throughout the school year at various test sites in the surrounding area. Students may opt to take only the ACT (not including the writing portion). More information and registration can be found at **www.actstudent.org**.

## ARMED SERVICES
## VOCATIONAL APTITUDE BATTERY (ASVAB)

The ASVAB is designed to identify your unique vocational talents or abilities. Originally used to assist the armed services in placing new recruits in vocational/technical training programs, the test has a broad application outside the military, as well. Come to the Student Services Center for more information.

## ADVANCED PLACEMENT PROGRAM

Advanced Placement (AP) courses are offered in the English, Mathematics, Science and Social Studies Departments. These classes are equal to entry level college courses in the degrees of concentration, advanced work and study that are required. Students who successfully complete AP course requirements may choose to take the College Entrance Examination Board's AP tests in May. Acceptable scores on an AP test may enable the student to receive college credit for the course or to bypass entry level college courses.

***If the MDE requires additional assessments, SLCS will administer those assessments as required.***

**www.apstudents.collegeboard.org**

## SEAL OF BILITERACY

Each year, South Lyon East students are given the opportunity (this is not a mandatory exam) to apply for the Seal of Biliteracy. The Michigan Seal of Biliteracy has been created to recognize high school graduates who exhibit language proficiency in English and at least one additional world language. The Seal may be awarded to any student receiving a high school diploma, a high school certificate of completion, or a high school equivalency certificate AND who has demonstrated a high proficiency on acceptable world language assessments and met the English Language Arts requirements for graduation.

# GRADING

South Lyon High School's use the 4-point grading system for all purposes. A cumulative grade point average for each student is computed at the end of each semester. The GPA is determined by averaging the grades, using the following values:

| | | | | | |
|---|---|---|---|---|---|
| **A** | = | **4.0** | **C** | = | **2.0** |
| **A-** | = | **3.7** | **C-** | = | **1.7** |
| **B+** | = | **3.3** | **D+** | = | **1.3** |
| **B** | = | **3.0** | **D** | = | **1.0** |
| **B-** | = | **2.7** | **D-** | = | **0.7** |
| **C+** | = | **2.3** | **E** | = | **0.0** |

***5.0 Grading Scale for AP and Post-Secondary Courses***

| | | | | | |
|---|---|---|---|---|---|
| **A** | = | **5.0** | **C** | = | **3.0** |
| **A-** | = | **4.7** | **C-** | = | **2.7** |
| **B+** | = | **4.3** | **D+** | = | **2.3** |
| **B** | = | **4.0** | **D** | = | **2.0** |
| **B-** | = | **3.7** | **D-** | = | **1.7** |
| **C+** | = | **3.3** | **E** | = | **0.0** |

At the end of each semester, students will also be given grades based on the Habits of Mind.
The HOM we will be assessing are:

1. **WI = Works Independently**
2. **TW = Teamwork**
3. **WH = Work Habits**
4. **INT = Initiative**

Those students who receive a grade of incomplete must contact their teacher to remove the incomplete.

South Lyon Community Schools
345 South Warren, South Lyon, MI 48178

Dear Students,

South Lyon Community Schools is proud of the fact that over 90% of our graduating seniors go on to colleges and universities. Our rigorous and well-rounded high school curriculum prepares our students well for their next endeavors.

State of Michigan law allows for some adjustments to the traditional graduation requirements through personal curriculum plans and through counselor and administrator approval.

Details about these laws (MCL 380.1278a and MCL 380.1278b) and their requirements can be found by visiting the Michigan Department of Education's website at the following link:

https://www.michigan.gov/mde/Services/academic-standards

Details about South Lyon Community Schools' graduation requirements can be found in our Administrative Regulation 2002 - Learning and Achievement.

South Lyon Community Schools **strongly** encourages all college-bound students to carefully weigh whether adjusting the graduation requirements using either a personal curriculum or permission of the counselor and administrator (as outlined in Administrative Regulation 2002, Learning and Achievement) would hinder his or her acceptance into the college or university the student wishes to attend. **It is recommended that students speak with admissions counselors at their desired college or university prior to considering any adjustments in the traditional graduation requirements**.

Lisa Kudwa

Mrs. Lisa Kudwa
Assistant Superintendent
for CITA Service

Karen L Fisher

Mrs. Karen Fisher
Principal of South Lyon East
High School

James P. Brennan

Mr. Jim Brennan
Principal of South Lyon
High School

Mission Statement
In support of our community, the mission of the South Lyon Community Schools is to provide the highest quality educational process so that all students can excel as individuals and become productive and contributing members of society.

# GRADUATION REQUIREMENTS

| | Recommended Graduation Requirements | Additional Options Must be approved by counselor/administrator |
|---|---|---|
| **Total Credits Required** | **23** | |
| **English** | **4 high school credits including**<br>1 cr. English 9<br>1 cr. English 10<br>1 cr. 11th Grade Literature course<br>1 cr. English elective taken in 11th or 12th Grade | |
| **Mathematics** | **4 high school credits, including**<br>1 cr. Algebra 1 (Grade 7, 8)<br>1 cr. Geometry (Grade 8, 9, or 10)<br>1 cr. Algebra 2 (or designated alternate courses according to eligibility guidelines)<br>***STUDENTS MUST EARN 1 CREDIT IN A MATH OR MATH-RELATED COURSE IN 12TH GRADE*** | |
| **Science** | **3 high school credits, including**<br>1 cr. Biology (Grade 9)<br>1 cr. Chemistry or Analytical Chemistry<br>1 cr. Geophysical Science or Physics<br>***Students may choose 2 Science courses in 10th and 11th Grades.***<br>***1 cr. Biology (Grade 9) AND***<br>***2 credits from the following:***<br>***AP Biology, Chemistry or Analytical Chemistry, AP Chemistry, Geophysical Science or Physics, AP Physics, Anatomy and Physiology, Earth & Humanity: Interconnected Forces, Agricultural Science (online), MDE Computer Science Program (OSTC), Formal CTE Program (OSTC)*** | |
| **Physical Education Health** | **1 high school credit**<br>0.5 cr. Health and Personal Fitness<br>0.5 cr. Fitness & Rec Sports with Swim | |
| **Social Studies** | **3 high school credits, including**<br>1 cr. 20th Century American History (Grade 9)<br>1 cr. World Studies (Grade 10)<br>0.5 cr. Economics (Grade 11)<br>0.5 cr. Government (Grade 11) | |
| **World Language** | **2 high school credits are required in the same world language.**<br>High School credit will be granted for successful completion of a World Language in 8th grade.<br>1 credit World Language AND 1 credit from CTE Program (complete 2-year program at OSTC) OR 1 credit AVPA coursework (in addition to graduation requirement)<br>1 credit World Language AND 1 credit from CTE Program (complete 2-year program at OSTC) OR 1 credit AVPA coursework (in addition to graduation requirement) | |
| **Applied, Visual & Performing Arts** | **1 high school credit**<br>Visual & Performing Arts include Art, Music, Drama, etc. Applied Arts include courses with a creative design component, such as tech design/yearbook | |
| **State Examination** | **All students must take the State mandated assessment in their Junior Year as a graduation requirement.** | |
| **Personal Finance** | **0.5 credits** | |
| **Elective Credits** | **5.0 credits** | |

**Note: Transfer credits will be calculated in accordance with SLCS's Board Policy Administrative Regulation 2002 Learning and Achievement, a Personal Curriculum may be an option for some students.**

# MAKING SENSE OF THE GRADUATION REQUIREMENTS

It is now possible to fulfill some graduation requirements with courses from multiple departments. Two points you must keep in mind as you plan your four years of high school:

1. **You may not "double dip."** Course credit may be used to satisfy only **ONE** requirement. For example, Physics may be counted toward **EITHER** the science requirement or the senior-year math or math-related course. It's either science or math-related, but not both
2. Be sure that you have planned your program to include prerequisites for the courses that you plan to take. For example, you must take the year-long Technical Drawing & CAD course to qualify for the Advanced Technical Drawing & CAD course. Either course counts as your Applied Visual & Performing Arts credit.

***All students must earn 4.0 English credits.***
***Choose from the following year-long English Courses (1.0 credit)***

20th Century Perspectives
British Literature
Classical Literature & Thought
ELA Capstone
Film as Literature
Journalism
Reading & Writing for the College Bound
World Literature
Writing for Publication
AP English Language and Composition
AP English Literature and Composition

***All students must earn a mathematics or mathematics-related credit during their senior year. If you decide not to take a specific math course, you must choose from the following courses:***

***Business & Computers***
Accounting
Introduction to Computer Science (.5 credits)
Personal Finance (.5 credits)

**Science**
Physics
AP Physics

**Social Studies**
AP Microeconomics
AP Macroeconomics

**Design & Technology**
Electronics & Control (.5 credits)
Robotics & Automation (.5 credits)
Engineering Projects (.5 credits)
Advanced Technical Drawing & CAD

**OSTC** – Math related courses in all clusters will meet 12th grade Math requirement (See your Counselor).

***All students must earn 1.0 credit in the Applied, Visual, and Performing Arts.***
***Choose from the following courses:***

***Art***
*All Art Courses*

***Business & Computers Dept.***
*Cybersecurity*
*Desktop Publishing*
*Digital Imaging*
*Entrepreneurship*
*MS User*
*Introduction to Personal Finance*
*Introduction to Computer Science*
*Marketing Store Operations*

***Design & Technology***
*All Design & Technology Courses*

***Applied Arts***
*TV Production 1 and 2*
*Yearbook*

**Performing Arts**
*Drama*
*Theater Crafts*

**Music Department**
*All Music courses*

**Oakland Schools Technical Campus - Southwest**
*Agriscience and Environmental Technologies*
*Automotive Technology*
*Collision Repair and Refinishing*
*Computer Programming*
*Culinary Arts/Hospitality*
*Cybersecurity Networking*
*Engineering, Robotics & Mechatronics*
*Entrepreneurship and Advanced Marketing*
*Graphic and Communication Design*
*Health Sciences*
*Medium/Heavy Truck and Equipment*
*Welding*

# SPECIAL OPPORTUNITIES

**COUGAR HOUR**
**Grades 9, 10, 11, 12**
**2 semesters, required**
Cougar hour supports students and promotes academic achievement by designating time for a variety of student centered activities. Students can stay in their assigned advisory class or travel to one of their five other teachers. Teachers will be available to work with students during this hour to better understand concepts, complete assignments, and/or review for tests. With teacher permission, students can also use this time to make-up tests or quizzes.

**ADVANCED PLACEMENT COURSES**
**Grades 10, 11, 12**
**1 semester**
Students can choose from the following Advanced Placement Courses. See course guide for full course description.

- **AP STATISTICS**
- **AP CALCULUS AB**
- **AP CALCULUS BC**
- **AP GOVERNMENT**
- **AP MICROECONOMICS**
- **AP MACROECONOMICS**
- **AP LANGUAGE AND COMPOSITION**
- **AP LITERATURE AND COMPOSITION**
- **AP PHYSICS**
- **AP BIOLOGY**
- **AP CHEMISTRY**
- **AP U.S. HISTORY**
- **AP WORLD HISTORY**

**DUAL ENROLLMENT**
**Grades 9, 10, 11, 12**
**1 semester**
***Prerequisite: Qualifying Scores (PSAT, SAT, or MME) AND approval of Principal***
High school students in Michigan have the opportunity to enroll in college courses at the school district's expense. (Certain restrictions apply.) Students may earn both high school and college credit for courses completed under Dual Enrollment. Visit **East DUAL ENROLLMENT PROCESS google document** and your counselor for more information.

**EARLY COLLEGE PROGRAMS**
**Grades 11, 12, 13**
**Prerequisite: Qualifying Scores and approval of the Principal**
SLCS students have the opportunity to enroll in an Early College Program which blends high school and college into a multi-year program combining high school graduation with the potential for earning an associate degree in grade 13 (certain restrictions apply). The 13th year is a mandatory commitment to successfully complete this program. The cost of college tuition and books is covered for eligible SLCS students. Students and their families are responsible for transportation to Oakland Community College. Interested students should ***talk to their counselor during their sophomore year regarding requirements for registration and more information*.**
Currently, SLCS offers 2 early college opportunities:

- **Oakland Accelerated College Experience (ACE)**
- **Oakland Technical Early College (OTEC)**

# SPECIAL OPPORTUNITIES

**PEERS: *Positively Empowering & Encouraging our Students***
**Grades 10, 11, 12**
**1 semester (MSC400)**
**Prerequisite: Instructor permission**
PEERS is a general education course designed to educate and train the general education student to provide a support system for a peer with special needs. The PEERS will be trained as mentors, role models, and advocates in assigned classroom settings. PEERS students will be trained to effectively use problem-solving skills to enhance social communication in the general education and special education setting for those students with special needs. This course will also assist the student in acquiring an understanding and acceptance of diversity in everyday life and the work world ahead of them.

**INDEPENDENT STUDY**
**Grade 12**
**1 semester**
***Prerequisite: Students and Teacher must complete an application form that is available in the Student Services Office and submit it for Administrative approval.***
Independent Study is for seniors who wish to pursue a subject that is not included in the high school curriculum. The student and teacher jointly design a course-for-one that includes goals, objectives, major projects, due dates, etc. *NOTE: Independent Study—English will not count toward fulfillment of the English requirement for graduation.*

**LEADERSHIP**
**Grades 10, 11, 12**
The Leadership Class is a two consecutive semester elective class aiming to provide students who have a desire to help improve his/her school environment with the opportunity to plan, develop, organize, and facilitate school-wide (and possibly community-wide) events and projects. Students will then have the opportunity to reflect on their facilitation of events and leadership skill development.

Students will also examine readings, speeches, and examples of leadership styles and characteristics, ultimately aiming to replicate those examples. Speaking, leadership, and communication skills will be emphasized. The course's overall objective is to empower students to become great servant-leaders in the school, community, and beyond.

The class is application only and is limited to sophomores, juniors, and seniors who have excellent school attendance and may participate in after school and evening co-curricular events. This class can be repeated for credit.

# SPECIAL OPPORTUNITIES

**CAREER ADVANCEMENT PROGRAM (CAP)**
**Work Based Learning Opportunity**
**Grade 12**

Program Description: Career Advancement Program (CAP) is a work-based program that provides students with the opportunity to gain practical experience in a real-world professional setting while applying theoretical knowledge acquired in the classroom. Through hands-on learning, students will develop key skills and competencies relevant to their field of study, such as problem-solving, communication, teamwork, and time management.

The course includes a blend of on-the-job training, mentorship, and structured learning activities designed to foster career readiness. Students will engage in a project or task relevant to their chosen industry, contributing to organizational goals while receiving continuous feedback and support.

Throughout the course, students will reflect on their learning experiences, document their progress, and demonstrate their ability to integrate academic concepts into workplace practices. Upon completion, students will not only enhance their employability but also gain a deeper understanding of workplace dynamics, expectations, and professional development.
Key Learning Outcomes:

- Apply academic knowledge and theoretical concepts to real-world tasks and challenges.
- Develop essential professional skills, including communication, teamwork, and problem-solving.
- Demonstrate the ability to manage work tasks effectively, meet deadlines, and maintain high standards.
- Enhance career readiness and employability by gaining practical industry experience.
- Reflect on personal growth and professional development through regular assessments and feedback.

Pre-requisites:
Students must apply for this program and have an updated EDP that is aligned with their desired Career Advancement Program placement. Applications can be found in the Student Services Office. Students must be in good academic standing consistent with eligibility standards and must be on track for graduation. Student attendance patterns and disciplinary records will be reviewed and taken into consideration for admission. Students will go through an interview process after the initial screening process occurs. Students will be required to provide their own transportation to the work site. Students will be required to get to the workplace in a timely manner; their schedule will be adjusted to accommodate travel time. Students applying for the program must be aware that after school activities may interfere with the internship placement or responsibilities.

- Grade Levels: 11th & 12th (Seniors only for pilot year: 25-26 school year)
- One Semester Program: Two Class Periods (5th and 6th hour) that will fulfill one credit of required electives for graduation.

# SPECIAL OPPORTUNITIES

**21f COURSES**
**Grades 9, 10, 11, 12**
**1 semester (VIR)**
Students may choose to take 21f (virtual) courses as part of their schedule, in accordance with state legislation. The 21f courses offered by the district will be selected from the Michigan Virtual Course catalog and will vary from year to year depending on student requirements, interest, and course availability.

**TESTING OUT (for Placing Out of a Course)**
Public Act 335, Section 21B, of the state code, requires that any high school student be offered the opportunity to "test out" of any course offered by his/her high school. In order to test out, students must exhibit mastery of the course content by attaining a passing grade of 78% or better on a comprehensive final assessment. In addition, along with the exam, students may also be required to demonstrate mastery through basic assessments used in the class, which may include but not be limited to, a portfolio, research papers, projects, and/or oral presentations. If the student attains at least a 78% on the testing out assessment, s/he will receive credit in the course toward graduation, as well as allow the student to satisfy core content requirements. For example, testing out of Algebra I would allow a student to move on to Geometry. Once the testing out exam is passed, a student may not receive credit for a lower course in that course sequence. While the student will receive credit for testing out of a course with a 78% or higher, a G (credit) will be entered on the student's transcript, but a grade will not be included in the computation of the grade point average. If a student had already taken the entire course prior to testing out but did not pass the course, the failing grade will remain on the student's transcript and be averaged into the grade point average. For non-core classes, students may "place out" meaning students may take the test to place themselves in a more advanced course. Credit is not given for students placing out of course sequence. Testing Out is offered in January and June of each school year. Students should discuss the possibilities with their counselor.

**EARLY GRADUATION**
Students may graduate early if they have met all graduation requirements and have earned a minimum of 23 credits. See the district's **Administrative Regulation 2002 Learning and Achievement** for more information. ***All requests must be made prior to the start of the school year.***

# TEACHER PLACEMENT OPPORTUNITIES

**Adolescent Accelerated Reading Initiative (AARI)**
**Grade 9**
AARI is a reading lab offered in conjunction with ELA. The course utilizes a short-term, intensive intervention format called AARI. AARI accelerates reading comprehension and critical thinking in informational text. The instructional framework is built on research-based strategies. AARI focuses on critical thinking with informational text to help students access content from texts. AARI emphasizes small group instruction that meets students where they are and accelerates their reading through instruction built around: ● Community ● Text-Based Inferencing and Critical Thinking ● Question Answer Relationship (QAR) and Questioning the Author (QtA) ● Text Structure AARI seeks to support students in building more positive reader identities that empower them in all aspects of their lives.

**Algbera 1 Lab**
**Grade 9**
Algebra 1 Lab is **a supplemental course designed to reinforce and further practice the core concepts taught in a standard Algebra 1 class**, typically involving hands-on activities, technology like graphing calculators, and manipulatives to solidify understanding of topics like solving equations, graphing functions, translating real-world problems into mathematical expressions, and analyzing data through algebraic methods

**LRC Algbera 1**
**Grade 9**
This LRC course is designed to support students with IEPs specifically in the area of mathematics as they transition from Pre-Algebra. Algebra 1 is a high school graduation requirement that begins to build the comprehensive mathematical knowledge base students need to move on to higher-level mathematics courses. This course is rich with mathematical investigations and applications that encourage the exploration of number systems, number sense, data, patterns, and relationships. There is also an introduction to geometry, data analysis, discrete mathematics, and statistics. This course may be offered both in-person and in a synchronous virtual model.

**LRC Geometry**
**Grade 10**
This LRC course is designed to support students with IEPs specifically in the area of mathematics as they transition from Algebra 1. In this course, students explore geometric concepts analytically, inductively, and finally deductively, after learning definitions, properties of congruencies, and postulates of geometry. Students will practice algebra skills independently and in applications to geometric figures. Concepts covered include mathematical reasoning, geometric figures and properties, and transformations.

**Integrated Studies**
**Grades 9-12; 2 semesters**
The Integrated Studies course will lay the groundwork for success in the student's high school educational experience; assist the student in satisfying the Michigan Merit Curriculum graduation requirements; and provide specially designed instruction on the Individualized Education Plan goals and objectives while addressing the transitional needs of the student. This course may be taken more than once for elective credit.

**Social Communication**
**Grades 9-12; 2 semesters**
This course concentrates on the social skills, communication, mobility and process skills that are necessary for interacting in the local community as well as the workplace. This includes: self determination, self awareness, self advocacy, and workplace competencies. The basic structure of this course is comprised of modular, hands-on, engaging activities that focus on six key skill areas: communication, enthusiasm and attitude, teamwork, networking, problem solving and critical thinking and professionalism. In tandem, NHS Supporting staff incorporates essential post-secondary skills including, but not limited to; self-reliance, social pragmatics, and organization.

# PREPARATION FOR SUCCESS AT THE COLLEGE LEVEL

90% of students who enter high school say they want to go on to some type of college after they receive their diplomas. Yet, in four years, only half of them will make that dream come true. Of that 45%, some will finish, and some will not. Why do some make it, and some don't? What about you? How can you be sure you're one of the successful ones?

It's not grades, and it's not test scores. The biggest factor in who makes it to college and who succeeds is the courses you choose in high school. The more challenging courses you take, the better prepared for anything you will be.

The **Michigan Association of State Universities** and the **National Collegiate Athletic Association** have established standards for secondary preparation that will provide you with the background and skills you will need to meet the rigor of college courses.

| | **Michigan Association of State Universities (masu.org)** | **NCAA Division 1 Freshman Eligibility Standards ** (www.ncaaclearinghouse.org)** |
|---|---|---|
| **English** | **4 years** | **4 years** |
| **Mathematics** | **4 years** | **3 years** |
| **Science** | **4 years; including Biology, Physics and Chemistry** | **2 years of natural/physical Science** |
| **Social Studies** | **4 years** | **2 years** |
| **World Language** | **3 years** | |
| **Other** | **Students are encouraged to take additional courses in:**<br>• **Fine and Performing Arts**<br>• **Information Technology** | **1 year of additional English, Math or natural /physical Science.**<br>**4 years of additional courses from any area above or from World Language or comparative Religion /Philosophy courses**<br>**NCAA Amateurism Certification Questionnaire**<br>**ACT or SAT scores** |
| **Total** | **19 Credits** | **16 Credits** |

* Some Michigan universities require a specific number of high school credits in certain academic disciplines. Furthermore, a student whose background does not measure up to these recommendations will be expected to take (and pay for) remedial classes that may not count toward a degree program. For more information, go to the college's website or contact the admissions office.

** Students who intend to participate in athletics at Division I or II schools must meet these requirements for freshman eligibility. Students should register with NCAA after the completion of their junior year. To register, go to **www.ncaaclearinghouse.org**.

# South Lyon East High School

## Course Description Guide

***If a student is uncertain of course choices (including Honors and AP courses) they should discuss their options with their current teachers.***

**Schedule Change Policy:**

Staffing is predicted and schedules are created based on student class requests. It is important that all students and parents understand that course selection is important, and the necessary time should be given to this process. Schedule changes at the beginning of the school year or throughout the school year will be considered for the following reasons:

- A course needs to be added to fulfill a graduation requirement.
- A course is no longer needed due to credit earned in summer school or testing out.
- A course needs to be retaken due to credit not being earned.
- A student has been placed into a course for which they have not met the prerequisites.
- A student has too many or too few classes or multiple sections of the same course.

***Changing schedules will not be permitted because the student has changed their mind. Requests for teacher changes will not be honored.***

# 4 YEAR PLANNING WORKSHEET

[Click this link to view, download and print the 4 Year Planning Worksheet]

**23 Total Credits Are Needed To Graduate**

## South Lyon High Schools
Four Year Planning Worksheet

**23 Total Credits Are Needed To Graduate**

Name: _____

Post Secondary Education Goal: ☐ College/University ☐ Community College/Technical School ☐ Undecided

| Grade 9 | CR | Grade 10 | CR | Grade 11 | CR | Grade 12 | CR |
|---|---|---|---|---|---|---|---|
| English 9 | | English 10 | | Literature ( ) | | English Elective ( ) | |
| 20th Century Amer. History | | World Studies | | Government | | Math ( ) | |
| Biology | | Science ( ) | | Economics | | | |
| Math (Algebra) | | Math ( ) | | Science ( ) | | | |
| Math (Geometry) | | | | Math ( ) | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| **9th Total Credits →** | | **10th Total Credits →** | | **11th Total Credits →** | | **12th Total Credits →** | |

**Required Semesters**

- ☐ ☐ English 9
- ☐ ☐ English 10
- ☐ ☐ Literature (11th)
- ☐ ☐ English Electives (12th)
- ☐ ☐ Biology
- ☐ ☐ Geophysical Science or Physics
- ☐ ☐ Chemistry or Analytical Chemistry
- ☐ ☐ Algebra 1 (Grade 8 or Grade 9)
- ☐ ☐ Geometry (Grade 8, 9, or 10)
- ☐ ☐ Algebra 2 (or equivalent)
- ☐ ☐ 12th Grade Math (1 credit)
- ☐ ☐ 20th Century American History
- ☐ ☐ World Studies
- ☐ Economics & Personal Finance
- ☐ Government
- ☐ ☐ Applied, Visual, & Performing Arts
- ☐ Michigan Merit Exam
- ☐ Approved Online Learning
- ☐ ☐ World Language
- ☐ ☐ World Language (2nd year)

**2 credits of the same language**

- ☐ Health & Personal Fitness (1st Sem Only)
- ☐ Fitness & Rec Sports (2nd Sem Only)
- ☐ Personal Finance

# HIGH SCHOOL COURSES

**Courses only run when we have adequate student interest.**

## APPLIED ARTS*

- TELEVISION PRODUCTION 1
- TELEVISION PRODUCTION 2
- YEARBOOK

## ART*

- FUNDAMENTALS OF ART
- CERAMICS 1
- CERAMICS 2
- CERAMICS 3
- DRAWING 1
- DRAWING 2
- DRAWING 3
- PAINTING 1
- PAINTING 2
- PAINTING 3
- JEWELRY DESIGN AND METALSMITHING TECHNIQUES 1
- JEWELRY DESIGN AND METALSMITHING TECHNIQUES 2
- JEWELRY DESIGN AND METALSMITHING TECHNIQUES 3
- PHOTOGRAPHY 1
- PHOTOGRAPHY 2
- PHOTOGRAPHY 3

## BUSINESS AND COMPUTERS*

- ACCOUNTING
- CYBERSECURITY ESSENTIALS
- DESKTOP PUBLISHING
- DIGITAL IMAGING AND MULTI-MEDIA COMPUTING
- ENTREPRENEURSHIP
- INTRODUCTION TO COMPUTER SCIENCE
- PERSONAL FINANCE
- MARKETING STORE OPERATIONS
- MS USER

## DESIGN AND TECHNOLOGY*

- ARCHITECTURAL DESIGN
- ELECTRONICS & CONTROL
- ENGINEERING PROJECTS
- MODERN TECHNOLOGIES
- ROBOTICS & AUTOMATION
- TECHNICAL DRAWING/CAD
- ADVANCED TECHNICAL DRAWING/CAD

## ENGLISH

- BRITISH LITERATURE
- CAPSTONE ELA
- ENGLISH 9
- ENGLISH 9 HONORS
- ENGLISH 9 LAB
- ENGLISH 10
- ENGLISH 10 HONORS
- FILM AS LITERATURE
- JOURNALISM
- READING & WRITING FOR THE COLLEGE-BOUND
- WRITING FOR PUBLICATION
- TWENTIETH CENTURY PERSPECTIVES
- WORLD LITERATURE
- AP ENGLISH LANGUAGE & COMP
- AP ENGLISH LIT & COMP

## MATH

- ALGEBRA 1
- ALGEBRA 2
- ALGEBRA 2 IN THE WORKPLACE
- CONSUMER MATH
- GEOMETRY
- DATA ANALYSIS AND PROBABILITY
- FUNCTIONS, STATISTICS, AND TRIGONOMETRY (FST)
- PRE-CALCULUS
- AP CALCULUS AB
- AP CALCULUS BC
- AP STATISTICS

## MUSIC*

- CANTANDO
- COUGAR CHORALE
- EAST VOCAL ENSEMBLE
- CONCERT BAND
- SYMPHONIC BAND
- PIANO LAB

## PERFORMING ARTS*

- DRAMA
- THEATRE CRAFTS

## PHYSICAL EDUCATION

- ADVANCED CONDITIONING
- FITNESS & REC SPORTS WITH SWIM
- HEALTH AND PERSONAL FITNESS
- LIFETIME SPORTS AND FITNESS
- TEAM SPORTS AND FITNESS
- TOTAL BODY WORKOUT

## SCIENCE

- ANALYTICAL CHEMISTRY
- ANATOMY & PHYSIOLOGY
- BIOLOGY
- CHEMISTRY
- EARTH & HUMANITY: INTERCONNECTED FORCES
- ENVIRONMENTAL STUDIES
- GEOPHYSICAL SCIENCE
- OCEANOGRAPHY AND METEOROLOGY
- PHYSICS
- AP BIOLOGY
- AP CHEMISTRY
- AP PHYSICS

## SOCIAL STUDIES

- 20TH CENTURY AMERICAN HISTORY
- ECONOMICS & PERSONAL FINANCE
- GOVERNMENT
- PSYCHOLOGY
- WORLD STUDIES
- AP GOVERNMENT & POLITICS
- AP MACROECONOMICS
- AP MICROECONOMICS
- AP PSYCHOLOGY
- AP U.S. HISTORY
- AP WORLD HISTORY

## WORLD LANGUAGE

- GERMAN 1, 2, 3, 4
- JAPANESE 1, 2, 3, 4
- SPANISH 1, 2, 3, 4
- AP SPANISH

*indicates that the subject Counts toward the Applied, Visual and Performing Arts Graduation Requirements ((*with the exception of accounting, which does NOT count toward VPA requirement*).
Courses are offered based on the number of student registrations.

# APPLIED ARTS

**ALL APPLIED ART COURSES WILL COUNT TOWARD THE APPLIED, VISUAL AND PERFORMING ARTS GRADUATION REQUIREMENTS.**

## TELEVISION PRODUCTION 1

**Grades 10, 11, 12**
**1 Semester (VPA150)**
**Supplies Needed: SD card**
Students will learn to storyboard, shoot and edit video using non-linear digital software. Students will also be introduced to the positions and responsibilities involved in television production. Students should expect to spend time out of class to meet production deadlines.

## TELEVISION PRODUCTION 2

**Grades 10, 11, 12**
**1 Semester (VPA155)**
***Prerequisite: Expertise on the equipment, diligent and productive use of class time, and excellent attendance in Television Production 1.***
Students are responsible for the LIVE production of the daily announcements for the school. The students fill all positions used in television production on a rotating schedule. The students are also responsible for producing various feature videos for the school throughout the year. Students must be able to work together cooperatively and under pressure. Students are expected to spend time before and/or after school to meet production deadlines.

## YEARBOOK*

**Grades 11, 12**
**2 semesters (VPA165A/B)**
It is recommended that Journalism be taken in conjunction with, or prior to this course.
Yearbook staff members will develop or expand their expertise in writing, art, design, leadership, time management, accepting and meeting responsibility, salesmanship, business management, advertising, photography, graphics, computer operation, and other skills. In few other classes do students have the opportunity to see those skills adapted as effectively into one project. They must function in a highly realistic, job-oriented situation that affords them an excellent chance for career planning and consideration. With a final product that will be read by many, students are often motivated to master these skills more thoroughly than ever before. ***May be repeated for elective credit.**

# ART

**ALL ART COURSES WILL COUNT TOWARD THE APPLIED, VISUAL AND PERFORMING ARTS GRADUATION REQUIREMENTS.**

## FUNDAMENTALS OF ART

**Grades 9, 10, 11, 12**
**1 Semester (ART100)**
**This course is a prerequisite for all other Art courses.**
This course affords students the opportunity to fully explore the design process in a studio environment. Emphasis will be placed on the development and mastery of various media and techniques to effectively communicate the elements and principles of design. This course will provide the necessary foundation skills for students who plan to enroll in other studio art courses.

## CERAMICS LEVEL 1

**Grades 10, 11, 12**
**1 Semester (ART210)**
**Prerequisite: Fundamentals of Art or 2 semesters of middle school art**
This course introduces students to the fundamentals of ceramics, including the properties of clay and techniques for creating functional and decorative pieces. Students will learn hand-building methods such as pinch, coil, and slab construction, as well as the basics of wheel throwing. Emphasis will be placed on craftsmanship, creativity, and understanding the firing and glazing processes. Students will also explore historical and cultural connections to ceramics while developing their artistic expression.

## CERAMICS LEVEL 2

**Grades 10, 11, 12**
**1 Semester (ART212)**
**Prerequisite: Ceramics Level 1 with a grade of C or better or instructor approval**
Building on the skills learned in Level 1, this course focuses on refining techniques in hand-building and wheel throwing. Students will explore more complex forms and advanced surface decoration methods, including carving, slip trailing, and glazing techniques. There will be an increased focus on creative problem-solving, design development, and conceptual work. Students will study contemporary ceramic artists and create a portfolio of finished pieces that demonstrate both technical skill and personal expression.

## CERAMICS LEVEL 3

**Grades 10, 11, 12**
**1 Semester (ART214)**
**Prerequisite: Ceramics Level 2 with a grade of C or better or instructor approval**
This advanced course is designed for students with a strong foundation in ceramic techniques who are ready to focus on individualized projects and artistic development. Students will create a body of work that reflects personal interests, experimentation, and mastery of complex forms and surfaces. They will explore sculptural and functional ceramics, advanced wheel throwing, and alternative surface decoration techniques. Students will also develop a deeper understanding of the professional practices of ceramics, including documentation, critiques, and preparing work for exhibitions.

# ART

**DRAWING LEVEL 1**
**Grades 9, 10, 11, 12**
**1 Semester (ART270)**
**Prerequisite: Fundamentals of Art or 2 semesters of middle school art**
This beginner-level course introduces students to the fundamentals of drawing. Students will explore basic techniques such as line, shape, value, texture, and form while learning to use a variety of tools and materials, including graphite, charcoal, and ink. Emphasis will be placed on observational drawing, proportion, and perspective. Projects will include still life, landscapes, and introductory figure drawing. This class encourages creativity, critical thinking, and foundational skills to develop confidence as an artist.

**DRAWING LEVEL 2**
**Grades 10, 11, 12**
**1 Semester (ART272)**
**Prerequisite: Drawing Level 1 with a grade of C or better or instructor approval**
This intermediate course builds upon the skills learned in Drawing Level 1, challenging students to refine their techniques and develop their personal artistic style. Students will delve deeper into the principles of composition, advanced shading techniques, and the use of color through mediums such as colored pencils, pastels, and ink washes. Assignments will include complex still life arrangements, perspective drawings, portraiture, and imaginative concepts. Students will also be introduced to contemporary and historical artists as inspiration for their work.

**DRAWING LEVEL 3**
**Grades 10, 11, 12**
**1 Semester (ART274)**
**Prerequisite: Drawing Level 2 with a grade of C or better or instructor approval**
Designed for advanced students, this course focuses on mastery of drawing techniques and the creation of a personal portfolio. Students will experiment with mixed media, advanced figure drawing, and conceptual projects that push creative boundaries. Emphasis will be placed on self-directed projects, artistic critique, and preparing works for exhibition or college admissions portfolios. Students will study art movements, develop a unique style, and explore storytelling through their artwork. This course encourages independence, innovation, and a deep understanding of artistic expression.

**JEWELRY DESIGN AND METALSMITHING TECHNIQUES LEVEL 1**
**Grades 10, 11, 12**
**1 Semester (ART301)**
**Prerequisite: Fundamentals of Art or 2 semesters of middle school art**
In this beginner-level course, students will explore the fundamentals of metalsmithing and jewelry design. Through hands-on projects, students will learn essential techniques such as sawing, filing, texturing, soldering, doming, flaring, and finishing. They will work primarily with materials like copper, brass, and nickel silver to create custom jewelry pieces. Emphasis is placed on creative problem-solving, safety in the studio, and proper use of tools and equipment. By the end of the course, students will have a solid foundation in basic metalworking skills and the confidence to design and execute their projects.

# ART

## JEWELRY DESIGN AND METALSMITHING TECHNIQUES LEVEL 2

**Grades 10, 11, 12**
**1 Semester (ART303)**
**Prerequisite: Jewelry Design and Metalsmithing Level 1 with a grade of C or better or instructor approval**

Building on the skills learned in Level 1, this intermediate course introduces more advanced techniques, including stone setting, riveting, patinas, and basic casting methods. Students will work on more complex projects, such as rings, pendants, or functional objects, focusing on refining craftsmanship and exploring personal design styles. Experimentation with mixed media and alternative materials is encouraged to expand creative possibilities. Students will deepen their understanding of design principles and learn how to document their creative processes.

## JEWELRY DESIGN AND METALSMITHING TECHNIQUES LEVEL 3

**Grades 10, 11, 12**
**1 Semester (ART305)**
**Prerequisite: Jewelry Design and Metalsmithing Level 2 with a grade of C or better or instructor approval**

This advanced course is designed for students ready to take their metalsmithing and jewelry skills to a professional level. Students will focus on independent projects, and advanced techniques such as advanced stone setting, die forming, anticlastic raising, fold forming, and articulated pieces. They will develop a personal style while creating a cohesive body of work suitable for portfolios or exhibitions. Emphasis is placed on design conceptualization, precision, and craftsmanship. Students will also explore career paths in the jewelry and metalsmithing industries.

## PAINTING LEVEL 1

**Grades 9, 10, 11, 12**
**1 Semester (ART260)**
**Prerequisite: Fundamentals of Art or 2 semesters of middle school art**

This foundational course introduces students to the fundamentals of painting. Students will explore a variety of painting techniques, materials, and tools, including acrylic and watercolor paints. Emphasis will be placed on understanding color theory, composition, and basic brushwork. Students will study and replicate techniques from historical and contemporary artists while developing their creative voice. By the end of the course, students will complete a portfolio of finished works that demonstrate their growing skills and understanding of painting.

## PAINTING LEVEL 2

**Grades 10, 11, 12**
**1 Semester (ART262)**
**Prerequisite: Painting Level 1 with a grade of C or better or instructor approval**

This course builds on the foundational skills learned in Painting Level 1. Students will deepen their understanding of color theory, composition, and painting techniques while exploring more complex subject matter, such as still life, landscapes, and portraiture. The class will also introduce mixed media and experimental techniques to broaden students' artistic repertoire. Students will analyze and critique their work and the work of others to develop a critical eye. By the end of the course, students will produce a cohesive series of paintings that reflect their individual style and technical growth.

# ART

**PAINTING LEVEL 3**
**Grades 10, 11, 12**
**1 Semester (ART264)**
**Prerequisite: Painting Level 2 with a grade of C or better or instructor approval**
This advanced-level course is designed for students who are ready to refine their skills and work independently on personal painting projects. Students will explore advanced techniques, conceptual development, and the professional practices of exhibiting artwork. They will create a body of work that demonstrates technical mastery and artistic voice, culminating in a final portfolio suitable for college or gallery submission. The course also includes in-depth studies of art history, artist influences, and critical analysis of contemporary painting.

**PHOTOGRAPHY LEVEL 1**
**Grades 10, 11, 12**
**1 Semester (ART220)**
**Prerequisite: Fundamentals of Art or 2 semesters of middle school art**
This beginner course introduces students to the art and science of digital photography. Students will learn the fundamentals of using a digital camera, including camera functions, exposure settings (shutter speed, aperture, ISO), and composition techniques. The course covers basic photo editing software to enhance images and emphasizes storytelling through photography. Students will explore genres like portrait, landscape, and still-life photography, while also studying famous photographers for inspiration.

**PHOTOGRAPHY LEVEL 2**
**Grades 10, 11, 12**
**1 Semester (ART220)**
**Prerequisite: Photography Level 1 with a grade of C or better or instructor approval**
Building on the skills learned in Level 1, this course deepens students' understanding of photography techniques and digital editing. Students will explore advanced camera functions, such as manual settings and specialized modes, to take creative control of their images. Emphasis will be placed on lighting, composition, and photojournalism. They will also learn intermediate techniques in photo editing software, such as retouching, color correction, and layering. The course encourages students to develop their unique style and build a portfolio of thematic projects.

**PHOTOGRAPHY LEVEL 3**
**Grades 10, 11, 12**
**1 Semester (ART224)**
**Prerequisite: Photography Level 2 with a grade of C or better or instructor approval**
This advanced course is designed for students who are ready to refine their skills and create a professional-level photography portfolio. Students will master advanced camera techniques, including working with studio lighting and shooting in challenging environments. The course focuses on advanced photo editing, creative direction, and storytelling through images. Students will engage in independent projects, critique sessions, and client-style assignments to simulate real-world photography experiences. By the end of the course, students will have a polished portfolio showcasing their personal vision and technical expertise.

# BUSINESS AND COMPUTERS

**WITH THE EXCEPTION OF ACCOUNTING AND PERSONAL FINANCE, ALL BUSINESS COURSES WILL COUNT TOWARD THE APPLIED, VISUAL AND PERFORMING ARTS GRADUATION REQUIREMENT.**

## MS USER
**Grades 9, 10, 11, 12**
**1 Semester (BCS313)**
**This course may be taken twice.**
Students will choose two of the four Microsoft Office Programs: Word, Excel, PowerPoint, Access to study for the semester. In addition, students will be able to become Microsoft certified in the programs they choose to study. Whether in the job market or in education, students who hold MOS certification gain significant advantages over their non-certified competitors. Good keyboarding skills are important in this course. This course may be taken more than once.

## DESKTOP PUBLISHING
**Grades 9, 10, 11, 12**
**1 Semester (BCS220)**
Desktop Publishing is increasingly prevalent in our high-tech society. In this class, students will learn the fundamentals of graphic design and will use Adobe software InDesign and their creativity to generate a variety of different projects including flyers, brochures, newspapers, posters, magazine covers, CD/DVD case inserts, games, books and more.

## DIGITAL IMAGING AND MULTI-MEDIA COMPUTING
**Grades 9, 10, 11, 12**
**1 Semester (BCS130)**
Students will gain hands-on experience and a solid understanding of Adobe Creative Cloud software as they learn to produce and manipulate a variety of computer images and produce short videos. They will also use their creativity to integrate video, text, audio and graphics to deliver superior interactive presentations and web pages.

## INTRODUCTION TO COMPUTER SCIENCE
**Grades 9, 10, 11, 12**
**1 Semester (BCS150/BCS997)**
**Prerequisite: Algebra 1**
**This course may be taken as a 12th-grade Mathematics experience.**
This course is an introduction to computer science, which includes a programming language and other surrounding topics. Students will be exposed to logical thinking topics, including computational thinking and flowcharts. Basic Programming structures that are common to all programming languages, like loops, variables, and conditionals, will be explained and used. The majority of the time in the course is devoted to putting these programming concepts into practice by creating computer programs in one or more programming languages.

## ENTREPRENEURSHIP
**Grades 9, 10, 11, 12**
**1 Semester (BCS210)**
The entrepreneurial spirit is alive and well! As the cornerstone of the American free enterprise system, entrepreneurs create the majority of new jobs in our economy and played a significant role in our country's recovery during the recent recession. Students will learn how to develop, implement and evaluate business ideas. They will explore incorporation and basic legal issues, market analysis, business strategy, effective management, marketing and finance through the creation of a business plan for their own business idea.

# BUSINESS AND COMPUTERS

**PERSONAL FINANCE**
**Grades 10, 11, 12**
**1 Semester (BCS202)**
Students will gain a general understanding of personal finance concepts. Students will learn the importance of savings and investments. Topics include the stock market, bonds and other investment vehicles, as well as 401k and retirement savings. Students will also learn about banking and managing a checking account, compensation and taxes, and how to build credit and protect their credit score, along with identity theft prevention. Students will explore risk management by studying insurance such as life, health, auto and disability. In addition, students will learn about applying and interviewing for a job, as well as how to write a cover letter and resume. This course fulfills the Personal Finance graduation requirement for the class of 2028 and beyond.

**MARKETING STORE OPERATIONS**
**Grades 10, 11, 12**
**Application Only**
**1 Semester (BCS215)**
**May be repeated for credit**
**Prerequisite: Successful completion of Entrepreneurship and excellent attendance.**
Upon approval of their application, students will explore the functions of marketing and how they impact retail markets. Students will learn about market research, targeting and segmenting markets, product positioning, and marketing mix. This class is heavily founded on authentic learning, which includes operating the school store as well as a social media marketing online simulation.

**CYBERSECURITY ESSENTIALS**
**Grades 10, 11, 12**
**1 Semester (BCS400)**
This course is designed to provide an introduction to the subject of Cybersecurity. Students will learn the procedures to implement data confidentially, integrity, availability, and security controls on networks, servers, and applications. Students will learn to understand security principles and how to develop security policies that comply with cybersecurity laws. Through interactive, multimedia content, lab activities, and multi-industry case studies, students build technical and professional skills to pursue careers in cyber security.

**ACCOUNTING**
**Grades 11, 12**
**2 Semesters (BCS301A/B BCS999A/B)**
**This course may be counted as a 12th-grade Mathematics experience.**
**This course is NOT NCAA-approved.**
Students considering a business career are strongly encouraged to take this course. University business programs require at least two accounting courses, which are typically used as weed-out classes. In fact, studies have shown a less than 50% success rate for students taking college-level accounting without any prior experience. This class develops an in-depth understanding of fundamental accounting systems focused on logic rather than memorization. Students will learn how to account for a variety of business types using both manual and computerized accounting systems. Students will also learn how to prepare, interpret and analyze financial statements. Upon completion, students will have marketable office skills.

# DESIGN AND TECHNOLOGY

**ALL DESIGN AND TECHNOLOGY COURSES COUNT TOWARD THE APPLIED, VISUAL AND PERFORMING ARTS GRADUATION REQUIREMENTS.**

## MODERN TECHNOLOGIES

**Grades 9, 10, 11, 12**
**1 Semester (DTC120)**

The Modern Technologies class is designed so that students can blend the creative design process with realistic problem-solving activities, giving them an opportunity to fully realize ideas. Students will discover their place on the engineering team and determine if their aptitudes and interests are in the realm of the scientist, the engineer, the technician, or the craftsperson. The course will cover the engineering team; the process of design; technical communications; materials science; modeling processes and prototyping; and realistic design projects. Projects relating to several engineering fields are included so students can experience different roles within the team and advance their career awareness and direction.

## TECHNICAL DRAWING/CAD

**Grades 9, 10, 11, 12**
**2 Semesters (DT110A/B)**
**Prerequisite: Algebra I (may be concurrent)**

Technical Drawing/CAD is recommended for students interested in engineering, technical drawing, animation, graphic design, architecture, interior design, or any of the construction or manufacturing areas. At some point in our lives, all of us will need the ability to communicate an idea graphically. This course presents the various basic fundamentals of drafting and computer-aided drawing (CAD). Areas covered are sketching, use of drawing equipment, sectional views, 3D pictorials, and dimensioning. Students will complete drawings using both traditional instruments and Auto Cad software. Employability skills are emphasized. This course and the succeeding courses show relevant math tie-ins and real-life applications of math principles.

## ADVANCED TECHNICAL DRAWING/CAD

**Grades 10, 11, 12**
**2 Semesters (DT220A/B, DT995A/B)**
**Prerequisite: Technical Drawing/CAD**
**<u>This course may be counted as a 12th-grade Mathematics experience.</u>**

Students will gain a sound understanding of points, planes, and lines, and their relationships between different views. This course is essential to developing skills needed to allow the student to later move into computer-generated 3D design. Areas covered are advanced auxiliary, development and intersection, threads and fasteners, descriptive geometry, cams and gears, welding drawings, and detail and assembly drawings. Integration of previously learned computer skills and advanced application of AutoCAD's abilities will be integrated into the completion of applicable assignments Employability skills are emphasized. High ability in this course can lead to promising careers in engineering, CAD, and other technical design fields.

# DESIGN AND TECHNOLOGY

## ROBOTICS & AUTOMATION
**Grades 9, 10, 11, 12**
**1 Semester (DTC145, DTC997)**
**Prerequisite: Modern Technologies**
**<u>This course may be counted as a 12th-grade Mathematics experience.</u>**
The Robotics and Automation class introduces concepts that will allow students to function productively in industrial automation both from an applications (engineering) position, as well as a service (maintenance) type position. Students use robotics with programmable controllers, as well as conventional control systems to solve problems in an industrial flexible manufacturing laboratory. The Robotics curriculum trains students on various types of electrical equipment, such as DC and AC motors, transformers, state-of-the-art test equipment, computer-based robot control, and programmable logic controllers. Troubleshooting hardware and software systems of an automated system, along with concepts of how the two are integrated are important parts of the training.

## ENGINEERING PROJECTS
**Grades 9, 10, 11, 12**
**1 Semester (DTC150, DTC996)**
**Prerequisite: Modern Technologies**
**<u>This course may be counted as a 12th-grade Mathematics experience.</u>**
The Engineering Projects class builds on skills taught in Modern Technologies with an emphasis on designing and implementing a student project. Students will be able to fully realize their ideas by blending the creative design process with realistic problem-solving activities. Students will continue to develop their technological problem-solving skills as they work with structural, mechanical, electrical, and computer-control activities. To encourage creativity, most assignments are open-ended and range from instructor-planned to student-generated, with students gradually assuming more control over projects as the course progresses. Each student's final project will be based on personal interests and will incorporate problem-finding, as well as problem-solving.

## ARCHITECTURAL DESIGN
**Grades 9, 10, 11, 12**
**1 Semester (DTC115)**
**Prerequisite: TECHNICAL DRAWING/CAD**
Students will learn the principles of architecture and increase their understanding of working drawings and construction techniques learned in this introductory course. Experiences include residential and commercial building designs, rendering, model development, structural details, and animated walkthroughs. Students will use computer-aided drawing and design (CADD) equipment and established standards or codes to prepare drawings and models for presentation. This course is especially beneficial to students who wish to become architects, interior designers, or home builders.

## ELECTRONICS & CONTROL
**Grades 9, 10, 11, 12**
**1 Semester (DTC130, DTC998)**
**Prerequisite: Modern Technologies**
**<u>This course may be counted as a 12th-grade Mathematics experience.</u>**
The Electronics and Control class will provide each student with the opportunity to develop skills and knowledge in electronics and associated applications, enabling him/her to successfully enter this exciting and constantly changing career field. Students will be exposed to fundamental electronics and associated control concepts. The operation of components such as batteries, switches, resistors, potentiometers, LEDs, capacitors, logic gates, solenoids, and relays will be examined. Also covered in this course is breadboarding, soldering, the use of hand tools, and the proper usage of a wide array of testing equipment. Project-based instruction will provide the student with opportunities to take part in extensive hands-on group and individual laboratory activities.

# ENGLISH

**IF A STUDENT IS UNCERTAIN OF COURSE CHOICES (INCLUDING HONORS & AP COURSES) THEY SHOULD DISCUSS THEIR OPTIONS WITH THEIR CURRENT TEACHERS.**

## ENGLISH 9
**Grade 9**
**2 Semesters (EN101A/B)**
**Required for graduation**
Students will develop literature, public speaking, language, and composition skills by exploring major literary themes in a variety of genres (fiction, nonfiction, poetry, and drama). Themes include Reality Perception, Relationships, Expectations, and Turning Points. Particular emphasis is placed on students' ability to draw conclusions and support their opinions. A personal and analytical composition is required for each major theme examined. Students are introduced to current research techniques. At least one Shakespearean play is read. This course may be offered both in-person and in a synchronous virtual model.

## ENGLISH 9 HONORS
**Grade 9**
**2 Semesters (EN110A/B)**
**Meets the English 9 graduation requirement**
Students will develop literature, public speaking, language, and composition skills by exploring major literary themes in a variety of genres (fiction, nonfiction, poetry, and drama). Themes include Reality perception, Relationships, Expectations, and Turning Points. Particular emphasis is placed on students' ability to read a variety of selections on a related theme, draw conclusions, and support students' opinions. Personal and analytical compositions are required for major themes. Students are introduced to current research techniques. At least one Shakespearean play is read. Students will be assigned reading, writing, and research not required in the regular English 9 class.

# ENGLISH

**ENGLISH 10**
**Grade 10**
**2 Semesters (EN201A/B)**
**Prerequisite: English 9**
**Required for graduation**
This class will introduce the excellence and variety of American Literature. The course will begin with the oral tradition of the native inhabitants and the writings of early explorers of The New World; move into the chronicles and meditations of the Puritans, to the documents of our nation's founders; and finally, to the identifiable voices of the early Romantics. The second semester will concentrate on post-Civil War Literature, the modern era, and the contemporary period. Students will examine literary texts in their political, cultural, and intellectual contexts as they develop their own skills as writers and critical readers. This course may be offered both in-person and in a synchronous virtual model.

**ENGLISH 10 HONORS**
**Grade 10**
**2 Semesters (EN210A/B)**
**Meets the English 10 graduation requirement**
This two-semester course is a chronological survey of American Literature from the Native Americans to Contemporary Authors. Numerous supplementary readings and essays will be required. Students will be required to analyze literature from several critical perspectives and will be expected to do in-depth research.

**JOURNALISM**
**Grades 9, 10, 11, 12**
**2 Semesters (EN150A/B)**
This is a course for students who like to write! It emphasizes journalistic writing styles and skills necessary in publication production. Students will practice interviewing techniques and editing skills as they write news stories, features, sports stories, editorials, and reviews. They will also examine the role of the press, journalistic law, and ethics, in addition to learning such production skills as copyreading, headline writing, page design, typography, photography, and advertising. This course prepares students to work on the school yearbook. While it is open to seniors, students interested in journalism are advised to elect it before their senior year so they may advance to work on a publication.

**WRITING FOR PUBLICATION**
**Grades 10, 11, 12**
**2 Semesters (EN270A/B)**
**Prerequisite: Journalism strongly encouraged or teacher approval**
Writing for Publication is for the self-disciplined, advanced writer who has learned the basics of grammar and composition. This course is designed to deepen writing and research skills across multiple genres and allow for advanced exploration of nonfiction. Students will learn to enhance storytelling using multiple formats and multimedia. Class members have the opportunity to manage and publish their stories in a public forum and develop professional portfolios. Participation in the processes of community outreach are requirements of the course including interviewing, selling advertisements, and attending events outside of school. Independent thinkers, good writers, and talented artists are encouraged to take this class.

# ENGLISH

## TWENTIETH CENTURY PERSPECTIVES

**Grades 11, 12**
**2 Semesters (EN365A/B)**
Twentieth Century Perspectives is designed for students interested in examining contemporary literature and changing perspectives. Using twentieth-century literature, film excerpts, and philosophical essays, the course traces shifts in thinking and expression from the early 1900s to the present and discusses issues that have influenced the development of modern thought. Organized around the universal themes of alienation, disillusionment, the role of technology, and restoration, Twentieth Century Perspectives also introduces students to literary theory (Marxism, Feminism, Deconstruction, Existentialism, Psychoanalytic, and Reader Response).

## FILM AS LITERATURE

**Grades 11, 12**
**2 Semesters (EN307A/B)**
This course is designed for students who are interested in utilizing the literature analysis skills they have gained in previous literature courses and applying them to a different type of text: film. During semester one, students develop the tools needed to analyze a film in as much depth as they would a written text. They will analyze and evaluate a wide variety of films from different time periods and different genres. Furthermore, they will analyze various films as rhetoric, evaluating the strategies that various directors use to construct their arguments. During semester two, students will learn about film from other countries around the world as well as apply their understanding of various forms of research (MLA and APA) to find out more about the world of film. While this course does focus on film, students will also be required to analyze written texts as well.

## WORLD LITERATURE

**Grades 11, 12**
**2 Semesters (EN335A/B)**
Following a thematic approach to literature from around the world, students will expand their communication and analytical skills, as they develop a deeper understanding of enduring issues and problems that cross time and culture. Including the study of world religions and modern parallels to ancient ideas, this course introduces students to literary masterpieces from early Greek and Roman civilizations, the Middle Ages, the Renaissance period, the Age of Romanticism, and finally the Age of Realism.

## BRITISH LITERATURE

**Grades 11, 12**
**2 Semesters (EN305A/B)**
Students will experience a survey of British literature from the 10th century through the present with an emphasis on English history and the evolution of modern thought and expression. Students will find mysticism, romance, and high adventure, as well as political satire and intrigue as they immerse themselves in the literary masterpieces that are read in this course. Lively discussions ensue as students analyze poetry, plays, and essays. Writing assignments include personal and analytical essays, research projects, and a variety of well-developed expository and creative compositions.

# ENGLISH

**CLASSICAL LITERATURE & THOUGHT**
**Grades 11, 12**
**2 Semesters (EN310A/B)**
This challenging college preparatory course is designed to give students a broad liberal arts experience. Focus is on Great Literature and Philosophy of the Western World from ancient Greece and Rome to the early 20th Century and is supplemented with guest speakers and field trips for closer study. Students will write several papers, do in-depth research, and write numerous essay tests.

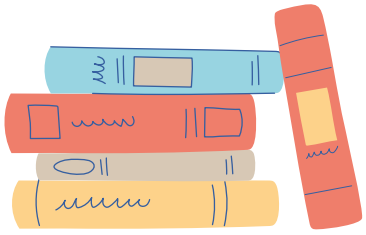
**CAPSTONE ELA**
**Grade 12**
**2 Semesters (EN357A/B)**
This course is designed to allow students the opportunity to reflect on their experiences as a reader, writer, and thinker of English over their time as a high school participant. Through literature, film, non-fiction, and fiction texts, students will be prompted to ask questions about how various forms of media have shaped and influenced their identity and the world while challenging them to think more critically about societal norms and expectations. Students will gain the opportunity to write academically and technically in preparation for the use of language skills as applicable to various fields and interaction with a wider variety of media literacy. This course will continue to incorporate elements of literature to establish a lifelong relationship with reading and the humanities, as well as the skills necessary for research and a basic understanding of fundamental grammar use. Students will be presented with the opportunity to build a resume, and letter of interest, and design their own capstone senior English project to be completed over the course of the year and presented to a community.

## FYI!
## 11th Grade English Choices

**Juniors are required to earn credit in a 2 semester, literature-based course.**

**Students may choose from:**

**World Literature**
**20th Century Perspectives**
**Classical Literature & Thought**
**British Literature**
**Film as Literature**
**AP Language and Composition**



# ENGLISH

## READING & WRITING FOR THE COLLEGE-BOUND

**Grade 12**
**2 Semesters (EN355A/B)**

This challenging college preparatory course focuses primarily on non-fiction reading and writing. The student will be required to write several short non-fiction essays, culminating in the writing of a 10–15-page argumentative research paper in APA format. In addition, the student will be required to study and evaluate a multitude of non-fiction texts across the curriculum-e.g. Mathematics, Science, Social Studies, Humanities, and Technology. Collegiate-level reading strategies will be emphasized and employed as will the students being required to evaluate texts using Rhetorical Devices. Students will also be held accountable for the correct and effective use of conventions and formats, including technological formats students might encounter at the college level. Students will also be required to evaluate texts, writing, and media orally.

## ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

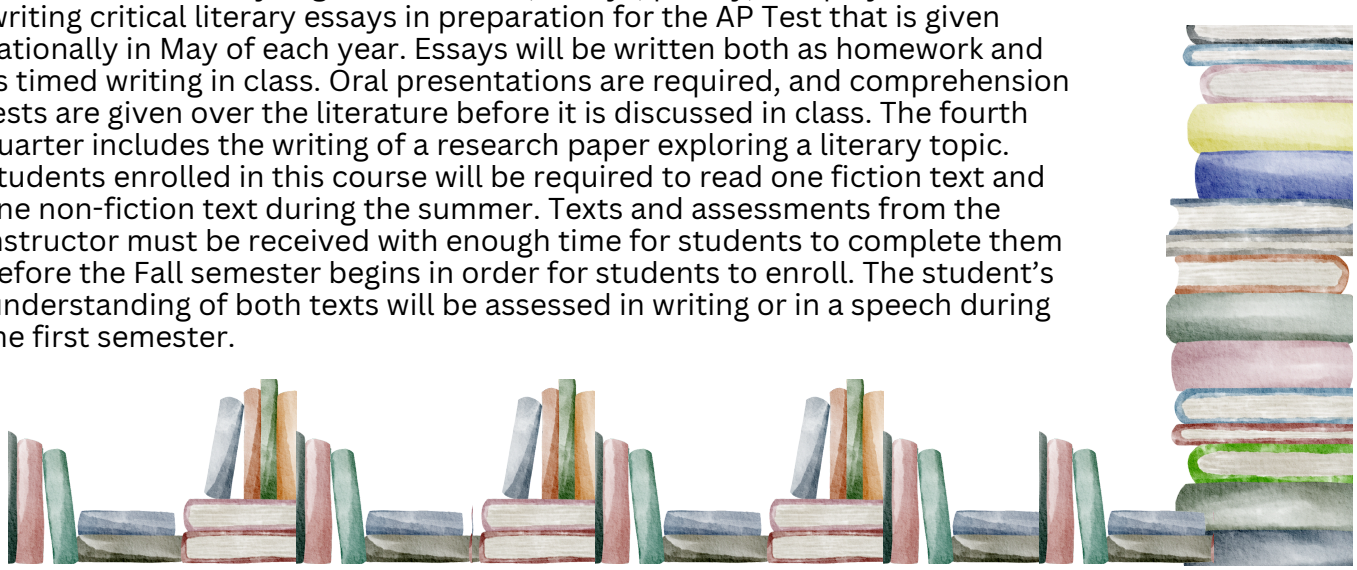
**Grades 11, 12**
**2 Semesters (EN421A/B)**
**Summer work may be required**

The AP English Language and Composition course aligns with an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction (primarily) and some fiction texts from many disciplines and historical periods.

## ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

**Grade 12**
**2 Semesters (EN401A/B)**
**Summer work may be required**
***Successful completion of British Literature or Classical Literature is strongly recommended.***

AP English is a college-level course that requires extensive reading and writing. The focus is on analyzing classic novels, essays, poetry, and plays and then writing critical literary essays in preparation for the AP Test that is given nationally in May of each year. Essays will be written both as homework and as timed writing in class. Oral presentations are required, and comprehension tests are given over the literature before it is discussed in class. The fourth quarter includes the writing of a research paper exploring a literary topic. Students enrolled in this course will be required to read one fiction text and one non-fiction text during the summer. Texts and assessments from the instructor must be received with enough time for students to complete them before the Fall semester begins in order for students to enroll. The student's understanding of both texts will be assessed in writing or in a speech during the first semester.



# MATHEMATICS

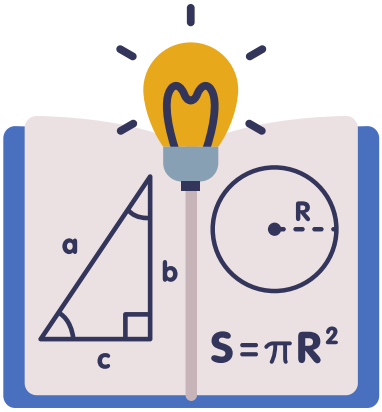
**IF A STUDENT IS UNCERTAIN OF COURSE CHOICES (INCLUDING AP COURSES) THEY SHOULD DISCUSS THEIR OPTIONS WITH THEIR CURRENT TEACHERS.**

## ALGEBRA 1

**Grade 9**
**2 Semesters (MT110A/B)**
**Required for graduation.**
Credit for this course may be obtained with successful completion of the middle school Algebra 1 course. Algebra 1 is a high school graduation requirement that begins to build the comprehensive mathematical knowledge base students need to move on to higher-level mathematics courses. This course is rich with mathematical investigations and applications that encourage the exploration of number systems, number sense, data, patterns, and relationships. There is also an introduction to geometry, data analysis, discrete mathematics, and statistics. This course may be offered both in-person and in a synchronous virtual model.

## GEOMETRY

**Grades 9, 10, 11, 12**
**2 Semesters (MT130A/B)**
**Required for Graduation.**
**Credit for this course may be obtained with successful completion of the middle school Geometry course. Prerequisite: Algebra 1**

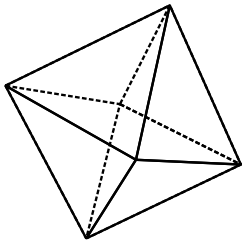



In this course, students explore geometric concepts analytically, inductively, and finally deductively, after learning definitions, properties of congruencies, and postulates of geometry. Students will practice algebra skills independently and in applications to geometric figures. Concepts covered include mathematical reasoning, geometric figures and properties, and transformations. This course may be offered both in-person and in a synchronous virtual model.

## ALGEBRA 2

**Grades 9, 10, 11, 12**
**2 Semesters (MT210A/B)**
**Required for graduation**
**Prerequisite: Geometry**
This is a preparatory course for entrance into college. The increasing use of Algebraic methods in all disciplines and professions has made algebra the fundamental tool for mathematical applications. This course will focus on the analytical use of algebra to solve both theoretical and real-world problems. This course builds upon concepts taught in Algebra 1 and Geometry while adding new concepts to the student's repertoire. Algebra 2 continues the study of exponential and logarithmic functions and expands students' use of function families to include rational and trigonometric functions. The topic of conic sections fuses algebra with geometry. The purpose of Algebra 2 is to give students a rigorous understanding of the theoretical study of mathematical patterns and relationships and the language that allows us to make sense of mathematical symbols.

# MATHEMATICS



**ALGEBRA 2 IN THE WORKPLACE**
**Grades 10, 11, 12**
**2 Semesters (MT220A/B)**
**Prerequisites: Geometry**
**Meets the Algebra 2 graduation requirement**
This is a preparatory course for entrance into a college or the workplace. Students who plan a college major in engineering, mathematics, and/or the medical sciences are advised to take the Algebra 2 course. Students will develop computational skills and mathematical understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems. These problems can be found all around us: in the workplace, the sciences: technology, engineering, and mathematics. This course builds upon concepts taught in Algebra 1 and Geometry while adding new concepts and relating them to workplace applications. Applying Algebra 2 concepts to real-world problems such as scheduling and networks, students experience both the complexity of such problems and their mathematical connections. Companies such as UPS, Fed Ex, Delta Airlines, hospitals, and others all apply Algebra 2 concepts to solve these and many other workplace problems.

**PRE-CALCULUS**
**Grades 10, 11, 12**
**2 Semesters (MT320A/B)**
**Prerequisite: Algebra 2**
This course is designed to prepare a student for college-level work in mathematics. Trigonometry, vectors, elementary functions, and a wide variety of other pre-calculus topics are treated. This course is highly recommended for students who wish to pursue a career in the sciences. Homework is assigned daily, and the student may expect to devote 45-60 minutes daily outside of class.

**DATA ANALYSIS AND PROBABILITY**
**Grades 11, 12**
**2 Semesters (MT301A/B)**
**Prerequisite: Algebra 2 or Algebra 2 in the Workplace**
Data Analysis and Probability is a preparatory course for entrance into a college or the workplace. This course moves away from theoretical computation to focus on the statistical thinking behind data gathering and interpretation and probability or chance. This course reflects the way working statisticians contribute to our understanding of the world. It also helps students become more discerning consumers of data and statistics, information, and gaming; teaching students to look closely at what the numbers from surveys, election polls, and medical studies are really saying.

**FUNCTIONS, STATISTICS, AND TRIGONOMETRY (FST)**


**Grades 11, 12**
**2 semesters (MT341A/B)**
**Prerequisite: Algebra 2 or Algebra 2 in the Workplace**
FST is appropriate for the serious math student who has met the prerequisites and is a preparatory course for entrance into a college or the workplace. Students may select to sequence this course before or after Data Analysis and Probability. Upon completing Algebra 2 some students may desire an additional background in advanced functions before taking Pre-Calculus and may elect this course to prepare them for future math work. This course builds on Algebra 2 concepts generating greater understanding and computational skill in the use of advanced functions. The first semester engages students in polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities, and matrices. During the second semester, students will expand their mathematical understanding of trigonometry through a variety of topics that include the application of trigonometric functions, trigonometric equations, The Law of Sines, and the Law of Cosines. This course ends the year with data analysis interpretation. Statistical thinking and reasoning are emphasized to provide a greater understanding of how working statisticians contribute to our understanding of the world.

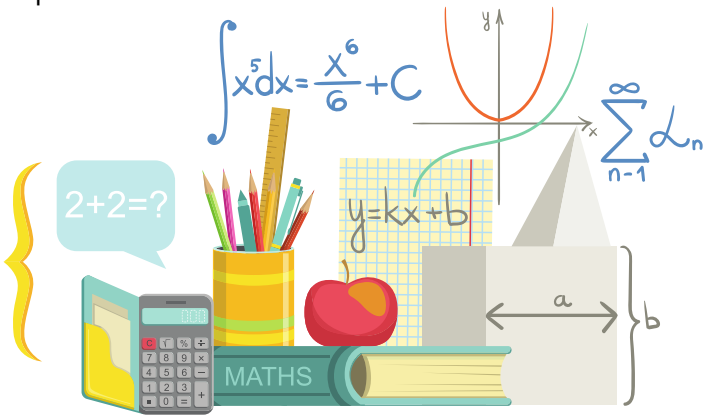
# MATHEMATICS

**CONSUMER MATH**
**Grade 12**
**2 Semesters (MT401A/B)**
**This course is NOT NCAA-approved.**
**Prerequisite: Student has taken at least the first semester of Algebra 2 or Algebra 2 in the Workplace**
In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers.
The course focuses on occupational and personal finance topics, including details on jobs; wages; deductions; Federal and State taxes; insurance; checking and savings accounts; budgeting; loans and buying on credit; automobile expenses; housing expenses and making smart consumer choices.

**ADVANCED PLACEMENT CALCULUS AB**
**Grades 11, 12**
**2 Semesters (MT332A/B)**
**Prerequisite: Successful completion of Pre-Calculus**
AP Calculus AB covers content in a college-level Calculus 1 course. Students will study the theoretical development and algebraic aspects of limits, derivatives and integrals of functions of a single variable. Upon successful completion of the AP Calculus AB exam, students may receive college credit and/or placement for one semester of college mathematics.

**ADVANCED PLACEMENT CALCULUS BC**
**Grades 11, 12**
**2 Semesters (MT334A/B)**
**Prerequisite: Successful completion of AP Calculus AB or an A in Pre-Calculus with teacher recommendation**
AP Calculus BC covers content in college-level Calculus 1 and Calculus 2 courses. Students will delve into more complex limits, derivatives and integrals of Calculus 1. Students will then address the following Calculus 2 topics: advanced integration techniques, parametric/polar/vector functions, sequences and series. Upon successful completion of the AP Calculus BC exam, students may receive college credit and/or placement for two semesters of college Calculus.

**ADVANCED PLACEMENT STATISTICS**
**Grades 11, 12**
**2 Semesters (MT342A/B)**
**Prerequisite: Successful completion of Algebra 2**
Students will study the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course covers the content of the AP Statistics needed for the Advanced Placement test given in May. Upon successful completion of the AP exam, students may receive credit, advanced placement, or both, for one semester of college mathematics. Students should expect to spend about 60 minutes daily in outside preparation.



# MUSIC

**ALL MUSIC COURSES WILL COUNT TOWARD THE VISUAL, APPLIED AND PERFORMING ARTS GRADUATION REQUIREMENT.**

## Choir

**COUGAR CHORALE**
**Grades 9, 10, 11, 12**
**2 Semesters (MU100A/B)**
**Prerequisites: None**
The Cougar Chorale is an exciting mixed choir that rehearses together daily and performs four engaging concerts each year at SLEHS, school activities, community events, and festivals sponsored by the Michigan School Vocal Music Association (MSVMA). Members of the Cougar Chorale will be guided through the fundamentals of superior tone production, rehearsal techniques, performance skills, and basic music theory. This great course is open to all singers in their first year of choral participation and may be repeated. Choir is a Co-Curricular class and all performances are part of the class grade.

**CANTANDO**
**Grades 10, 11, 12**
**2 Semesters (MU104A/B)**
**Prerequisites: One full year of participation in Cougar Chorale and a successful audition into Cantando Choir (auditions take place during the month of May for admittance in the following academic year).** Cantando is a select choir that rehearses daily and performs at least four concerts each year at SLEHS, school activities, community events, and festivals sponsored by the Michigan School Vocal Music Association (MSVMA). This class is designed for the self-motivated singer who is interested in preparing and performing at a high level. Members of Cantando will develop and refine skills in tone production, rehearsal techniques, performance skills, and music theory. Members are encouraged to participate in Solo & Ensemble and Honors Choir. Choir is a Co-Curricular class and all performances are part of the class grade.

**EAST VOCAL ENSEMBLE**
**Grades 10, 11, 12**
**2 Semesters (MU105A/B)**
**Prerequisites: One full year of participation in Cougar Chorale and a successful audition into the East Vocal Ensemble (auditions take place during the month of May for admittance in the following academic year).** The East Vocal Ensemble is an advanced, select mixed chorus of 10th-12th grade students who have demonstrated superior musical ability. Students will study advanced choral literature written for mixed voices in four to eight parts from a variety of musical time periods and styles. Students must be ready to pursue advanced music-reading skills. Members will study many styles of choral literature, including major works. Members are encouraged to participate in Solo & Ensemble and Honors Choir. Performances are an integral part of the music curriculum, which may include concerts, festivals, solos, ensembles, recitals, and appearances within the community when appropriate. The choir is a Co-Curricular class and all performances are part of the class grade.

# MUSIC

**ALL MUSIC COURSES WILL COUNT TOWARD THE VISUAL, APPLIED AND PERFORMING ARTS GRADUATION REQUIREMENT.**

## Band

**CONCERT BAND**
**Grades 9, 10, 11, 12**
**2 Semesters (MU110A/B)**
An instrumental music course designed for students refining their abilities for future placement in Symphony Band. Students will receive instruction to develop basic range, tone, vibrato, intonation, technique, and style skills. Performances and dress rehearsals are required of this course that will occur outside of the scheduled school day. Attendance at these events is mandatory and the dates will be provided to the members by the first day of class.

**SYMPHONIC BAND**
**Grades 9, 10, 11, 12**
**2 Semesters (MU120A/B)**
**Audition Required**
An instrumental music course designed for students with a select set of abilities. Selection for this course will be determined by an audition set up by the band director. Specifics for range, vibrato, tone quality, intonation, style, and technique can be obtained from the director. Students of this ensemble must also exhibit exceptional habits of mind. Performances and dress rehearsals are required of this course that will occur outside of the scheduled school day. Attendance at these events is mandatory and the dates will be provided to the members by the first day of class.

***Note: Marching Band is an extra-curricular activity and participation is not required by students enrolled in Symphony Band or Concert Band.***

## Piano

**PIANO LAB**
**Grades 9, 10, 11, 12**
**1 Semester (MUS150)**
No prerequisite. With the instructor's permission, this course may be repeated for credit.
Piano Lab is an individualized beginning piano class for students who wish to learn how to read music. Students begin with basic notation and work toward the use of two hands. Keyboards and pianos will be available for student use during school hours and to be checked out for home use.

### EXTRA-CURRICULAR OPPORTUNITIES IN MUSIC

Extra-curricular opportunities for after school music programs include Jazz Band, South Lyon Percussion, Marching Band, A Capella, Pit Orchestra, Spring Musical, Pep Band, and Color Guard. Inclusion is by audition only and students must commit to attending all practices and competitions at state and national levels.
See the band or choir director for more information. Academic eligibility rules apply.

# PERFORMING ARTS

**ALL PERFORMING ARTS COURSES WILL COUNT TOWARD THE VISUAL, APPLIED AND PERFORMING ARTS GRADUATION REQUIREMENT.**

## DRAMA
**Grades 9, 10, 11, 12**
**1 Semester (VPA140)**
Students will learn basic acting, speaking and improvisational skills, as well as techniques for speaking in front of others to gain poise. Students will study various forms of dramatic productions and perform skits in class. Students will be required to see the SLHS main stage production if they are not part of the cast or crew.

## THEATRE CRAFTS
**Grades 9, 10, 11, 12**
**1 Semester (VPA160)**
Students will gain the "behind the scenes" knowledge and skills necessary to put a show together- publicity, set design, flat construction, costuming, props, lighting, and sound. In addition, each student is required to work on a crew for the current main-stage production.

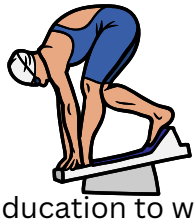
# PHYSICAL EDUCATION

**STUDENTS ARE ALLOWED ONE PE CLASS PER SEMESTER**

## HEALTH AND PERSONAL FITNESS

**Grades 9, 10, 11, 12**
**1 Semester (offered semester 1 only) (PEH100)**
**Required for graduation.**
Students are introduced to health and fitness concepts through a unique combination of classroom and physical education facilities. What is learned in the classroom is experienced through various fitness, and cardiovascular fitness. Students become aware that the decisions they make about their health affect them today and the rest of their lives. At the conclusion of the class, students will use data collected and information learned to begin to develop a personal fitness program.

## FITNESS & REC SPORTS WITH SWIM



**Grades 9, 10, 11, 12**
**1 Semester (offered semester 2 only) (PEH110)**
**Prerequisite: Health and Personal Fitness**
**Required for graduation.**
Students will apply the information learned in Foundations of Health and Physical Education to write, implement and evaluate a personal fitness program. Pre-fitness assessments will determine short and long-term goals. The students will be active primarily in the Fitness Center but will also participate in other facilities in the physical education area. Data logs will be maintained as students track their progress. Post-fitness assessments will be performed at the end of the semester to evaluate success in the fitness program. The class also includes instruction in CPR and AED use.

## TEAM SPORTS AND FITNESS

**Grades 10, 11, 12**
**1 Semester (PEH220)**
**May be repeated for credit**
**Prerequisite: Health & Personal Fitness**
This class offers team sports to play and be active in. The sports played in class include, but are not limited to flag football, volleyball, floor hockey, team handball, and basketball. Students will learn the skills needed to play the game successfully and the rules. Grades will be determined by performance and written tests.

# PHYSICAL EDUCATION

**STUDENTS ARE ALLOWED ONE PE CLASS PER SEMESTER**

## LIFETIME SPORTS AND FITNESS

**Grades 10, 11, 12**
**1 Semester (PEH101)**
**May be repeated for credit**
**Prerequisite: Health & Personal Fitness**
Lifetime Sports teaches students the basics of games of archery, softball, golf, tennis, pickleball, table tennis, volleyball, and badminton. Grades will be determined by performance and written tests.
***FEES WILL BE CHARGED FOR GOLF.***

## ADVANCED CONDITIONING

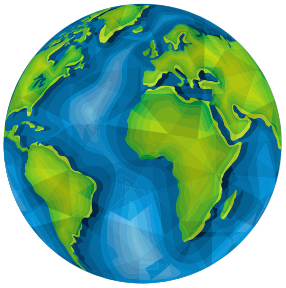
**Grades 10, 11, 12**
**1 Semester (PEH160)**
**May be repeated for credit**
**Prerequisite: Health & Personal Fitness**
This class combines weight training with running, calisthenics, flexibility activities, and other aspects of health and physical fitness training to improve individual strength and endurance. The 1-mile run and 1-1/2 mile run are required activities Throughout the semester. Advanced Conditioning offers students an experience full of rigorous physical fitness opportunities throughout the semester. Students should expect to give daily maximum effort.

# SCIENCE

**IF A STUDENT IS UNCERTAIN OF COURSE CHOICES (INCLUDING AP COURSES) THEY SHOULD DISCUSS THEIR OPTIONS WITH THEIR CURRENT TEACHERS.**

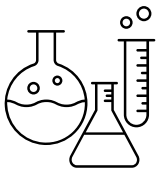
## BIOLOGY
**Grade 9**
**2 Semesters (SC101A/B)**
**Required for Graduation**
This introductory course will focus on five major topics: cells, heredity, evolution, living things, and ecosystems. Emphasis will be placed on the student's ability to use scientific knowledge to describe and explain real-world objects, systems or events, predict future events, and design systems or courses of action that enable people to adapt to and modify the world around them. This course will help students develop critical thinking and interpretive skills that can be applied in other areas of their education.


## GEOPHYSICAL SCIENCE
**Grades 10, 11, 12**
**2 Semesters (SC220A/B)**
**Prerequisite: Biology**
**Meets the Physical Science graduation requirement.**
This class is usually taken in sophomore year. Geophysical Science provides students with a knowledge of certain aspects of Physics and Earth Science that allows understanding of other sciences and everyday experiences such as heat exchanges in the atmosphere as they relate to weather; pressure and temperature differences that cause different geological formations; radiation of electromagnetic energy and its effect on photosynthesis; the behavior of light and the eye; electricity, electromagnetic waves, and your cell phone; nuclear fission and power plants; fusion and the sun; atomic structure and chemical reactions.



# SCIENCE

**CHEMISTRY**
**Grades 11, 12**
**2 Semesters (SC210A/B)**
**Students should check with current teacher for Chemistry placement recommendation.**
**Prerequisite: Biology, Algebra 1 and Geophysical Science.**
Meets the Chemistry graduation requirement
Chemistry is designed for the student who is college-bound and planning on a field of study in the liberal arts or who wishes to be a well-informed citizen and consumer. This course meets state-mandated chemistry benchmarks and covers the same topics as Analytical Chemistry but from the "How do I use this in everyday life?" perspective. Labs and hands-on activities are integral parts of this course, along with class discussions, research, and debates. Formal reports and presentations are required. Homework, research, and study will require at least 30 min per day. NOTE: Students taking this course will not gain the necessary preparation to move on to Physics, AP Biology, or AP Chemistry.



**ANALYTICAL CHEMISTRY**
**Grades 10, 11, 12**
**2 Semesters (SC380A/B)**
**Students should check with current teacher for Chemistry placement recommendation.**
**Meets the Chemistry graduation requirement**
**Prerequisites: Biology and Algebra 2 (may be concurrent) or Geometry (may be concurrent, with strong math performance in Algebra I)**
Analytical Chemistry is designed for the student who is college-bound and planning a field of study related to the sciences. Students will study the underlying principles and theories of chemistry while using mathematical skills to solve problems. Topics include behavior and properties of matter, types of matter, the periodic table, quantum mechanics, bonding, chemical reactions, solutions, acid/base and redox reactions, thermodynamics, and gas laws. Quantitative and qualitative laboratory work is integrated, along with numerous demonstrations. Formal lab reports are required. Homework and study will require 30-45 minutes per day. Graphic calculators and hand-held data collectors will be used. This course prepares students to move on to Physics, AP Biology, and AP Chemistry.

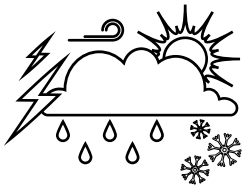
**ANATOMY & PHYSIOLOGY**
**Grades 11, 12**
**2 semesters (SC230A/B)**
**Prerequisites: Successful completion of Biology and either Analytical Chemistry or Chemistry.**
This elective course satisfies 1 credit of the science graduation requirements with counselor and administrator approval. This year-long elective science course investigates the structure and function of the human body at multiple levels: individual cells, they are coming together to form tissues, the organization of tissues into organs, organs working together as parts of organ systems, and finally how those organ systems support one another to maintain the body.
There will be a variety of lab activities, including several microscopic analyses of tissue specimens as well as viewing images of the gross anatomy of previously dissected human cadavers. Dissection is an integral part of this course. Students will participate in multiple hands-on dissection sessions with a cat in addition to organs such as the heart and eye of a sheep. Students who are interested in enrolling in the course but have reservations about dissection should discuss their concerns with the instructor prior to enrolling in the course. This rigorous course is appropriate for students interested in healthcare-related fields, especially those students who plan to pursue careers in areas such as medicine, nursing, physical or occupational therapy, and athletic training, or for those who plan to enter education as either a life-science or physical education teacher. Topics of study focus on human organ systems such as the Integumentary System, Nervous System, Lymphatic System, Digestive System, and Urinary System. The course also delves deeper into the organ systems that were previously taught in freshman biology.

# SCIENCE

## OCEANOGRAPHY AND METEOROLOGY

**Grades 11, 12**
**1 Semester (SCI360)**

Oceanography and Meteorology is a vast, diverse and changing field of study that introduces students to the world's weather patterns and its oceans. Lab exercises, internet and technology-based projects enhance the development of this course. Students will examine the current state of our oceans and how they affect our weather. Emphasis will be placed on the chemistry, biology and physics of these systems and how they affect human beings. The fundamentals of meteorology, along with the study of severe and unusual weather, principles of climatology, forecasting, and meteorological instruments will provide students with an in-depth understanding of how our weather works.



## ENVIRONMENTAL STUDIES

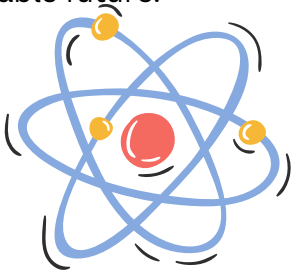
**Grades 11, 12**
**1 Semester (SCI495)**

Environmental Studies is a research-discussion-debate course dealing with careful analysis of the various interactions that are taking place between modern humans and their environment. Issues such as overpopulation, pollution, loss of resources, destruction of biomes, and conservation will be studied. Along with the alternatives for the future, emphasis is placed on direct student involvement in specially designed research projects, discussion programs, and lab-type activities. A deep concern for the Earth and its future is a prerequisite for this course.

## EARTH AND HUMANITY: INTERCONNECTED FORCES

**Grades 11, 12**
**1 Semester (SCI355)**

This semester-long Earth Science elective is perfect for students interested in geology and environmental studies. It explores the powerful forces of nature, including earthquakes, volcanoes, and tsunamis—examining how, why, and where they occur. The course also investigates historical patterns of climate variability, comparing past trends with the rapid environmental changes observed in recent times. Students will examine the effects of these environmental shifts on human populations and other species throughout history. Additionally, the course addresses human-driven environmental challenges and explores potential solutions for creating a sustainable future.



## PHYSICS

**Grades 11, 12**
**2 Semesters (SC320A/B, SC99A/B)**
**Prerequisite: Analytical Chemistry and Algebra 2**
**Meets the Physical Science graduation requirement.**
**<u>This course may be taken as a 12th-grade Mathematics experience.</u>**

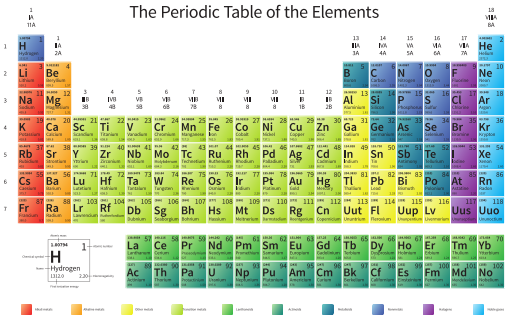
Physics is designed not only for the college or technical-bound student but also for the thinking student who is curious about natural phenomena and the interaction of matter and energy. This course covers mechanics (forces acting on mass); heat (what it is and its effects on matter); sound sources and sound propagation; wave phenomena; light as energy and as a medium for transmitting information; optics of mirrors and lenses; basic electricity and electrical effects and nuclear physics. The subject develops and expands a few basic definitions into an "inverted pyramid" of knowledge with an emphasis on the application of knowledge to problems, laboratory investigations, and other practical applications. Homework and study require at least 45 minutes outside of class per day.

# SCIENCE

## ADVANCED PLACEMENT BIOLOGY
**Grades 11, 12**
**2 Semesters (SC301A/B)**
**Prerequisite: Analytical Chemistry**
AP Biology is a transitional course between high school and college. At the college level, this course is required before any other specific interest biology course can be taken. Therefore, AP Biology is strongly recommended for students interested in pursuing careers in the field of biology, such as medicine, marine biology, genetics, ecology, microbiology, pharmacy, botany, etc.Like all AP courses, this class requires high levels of concentration, work and study. Summer work will be required as part of this course.

## ADVANCED PLACEMENT CHEMISTRY
**Grades 11, 12**
**2 Semesters (SC310A/B)**
**Prerequisite: Analytical Chemistry and Pre-Calculus (may be concurrent).**
This course will cover the content of Advanced Placement Chemistry needed for the AP test given in the spring. Kinetics, equilibrium, thermodynamics, electrochemistry, atomic structures and bonding are some of the topics covered. Laboratory work will develop analytical thinking, chemical calculations, quality evaluations, as well as written communications in the form of formal lab reports. Homework and class preparation are very important for this course and will require a minimum of 1 hour per day to complete text reading and studying.
Some labs may require before or after school time. Summer work will be assigned by the course instructor before the end of the preceding school year. This assignment reviews material that students will be expected to know from Analytical Chemistry to be successful in AP Chemistry. The assignment is expected to be completed by the student prior to the start of the next school year.

## ADVANCED PLACEMENT PHYSICS C: MECHANICS
**Grades 11, 12**
**2 Semesters (SC322A/B, SC998A/B)**
**Prerequisite: Physics & Calculus AB (may be concurrent).**
**<u>This course may be taken as a 12th grade Mathematics experience.</u>**
AP Physics C forms the first part of the college sequence for students who plan to major in engineering, chemistry and physics. This course will cover mechanics and in greater depth and greater mathematical sophistication (including calculus) than your previous physics course. Practice with problem solving is a significant part of the course. Students who are successful on the AP Physics C exam in the spring may be granted college credit or advanced placement. Students will acquire sound knowledge of the subject and develop creative thinking skills. They should plan to spend at least one hour each night in preparation for this class. Occasionally, extra time after school will be required.



# SOCIAL STUDIES

**IF A STUDENT IS UNCERTAIN OF COURSE CHOICES (INCLUDING AP COURSES) THEY SHOULD DISCUSS THEIR OPTIONS WITH THEIR CURRENT TEACHERS.**

## 20th CENTURY AMERICAN HISTORY

**Grade 9**
**2 Semesters (SS110A/B)**
**Required for graduation**

Students will examine the history of the United States from its emergence as a world power (late 1800s) to present day. Major eras studied will include Imperialism, WWI, the 1920s, The Great Depression, WWII, Cold War and Contemporary America. Students will learn to place major events of the century on a timeline and analyze their causes and effects. Students will use a variety of methods for historical evaluation and will begin to develop the critical thinking skills necessary to interpret present day events.

## WORLD STUDIES

**Grade 10**
**2 Semesters (SS225A/B)**
**Required for Graduation**

Students will study societies—past and present—from all over the world, as well as modern developments of global significance. By examining how decisions made in the past impact the present and future, students will build a common memory of where humankind has been. Within a historical and geographical context, students will develop comparative and casual analyses, interpret the historical record, and construct sound historical arguments and perspectives on which informed decisions in contemporary life can be made. This course may be offered both in-person and in a synchronous virtual model.

## GOVERNMENT

**Grades 11, 12**
**1 Semester (SST360)**
**Required for graduation**

This is a one semester course required for all juniors and examines the body of rules by which people must live. The rules make up what is commonly called law. Before law has meaning, it must have structure, function and application. From your study of government, you will learn how laws come to be made, how they function and why their application has meaning for you and others in the United States.

## ECONOMICS & PERSONAL FINANCE

**Grades 11, 12**
**1 Semester (SST350) 1 credit**
**Required for Graduation**

This one semester course introduces the discipline of economics. The overarching problem of scarcity-unlimited human wants pursuing limited resources—is the focal point of this course. In addition to macroeconomics, students will study personal finance and business in a free market society. Other topics will include the stock market, taxation, productivity, marketing and advertising. This course will fulfill the graduation requirement for both Economics and Personal Finance for the class of 2028 and beyond. Students who successfully complete this course will earn 0.5 credits for Economics and 0.5 credits for Personal Finance.

**The personal finance ½ credit must replace one of the following graduation requirement credits:**

- **a) ½ credit of the 4th-year math requirement**
- **b) ½ credit of the World Language requirement**
- **c) ½ credit of the Visual and Performing Arts requirement**

# SOCIAL STUDIES

**PSYCHOLOGY**
**Grades 10, 11, 12**
**1 Semester (SST320)**


Have you ever wondered why your friends and family behave the way they do? Are you fascinated by the wonders of the mind? Then Psychology is the class for you. Psychology is a general introduction to the study of human behavior. Such topics as human development, personality, intelligence, altered states, therapy, psychological disorders, and learning theory will be covered. Students will participate in a variety of activities and experiments designed to demonstrate various psychological concepts. This is a hands-on class that uses case studies and actual psychological tools to find the answers to the questions that plague your mind.

**ADVANCED PLACEMENT MACROECONOMICS**
**Grades 11, 12**
**1 Semester (SST354, SST998)**
**Prerequisites: Algebra 2 (may be concurrent)**
***This course may be taken as a 12th-grade Mathematics experience.***
This course will focus on helping students learn to apply basic microeconomic concepts to a larger (macro) scale. Students will analyze such macroeconomic concepts as the national output (GDP), inflation, and unemployment in both the U.S. and world economies. Students will learn various economic policies and apply their knowledge to solve real world economic situations. In addition, students will gain an in-depth understanding of international finance, exchange rates and global trade. This course will cover the macroeconomic content of the Advanced Placement Exam given every spring. This course will fulfill the graduation requirement for both Economics and Personal Finance for the class of 2028 and beyond. Students who successfully complete this course will earn 0.5 credits for Economics and 0.5 credits for Personal Finance if needed.

**ADVANCED PLACEMENT MICROECONOMICS**
**Grades 11, 12**
**1 Semester (SST352, SST999)**
**Prerequisites: Algebra 2 (may be concurrent)**
***This course may be taken as a 12th-grade Mathematics experience.***
This course will focus on helping students comprehend the principles essential for understanding basic microeconomic issues. Students will analyze how consumer behavior and production decisions are made in various market structures with an emphasis on consumer satisfaction and profit maximization. Students will also examine the labor market and the role of government as it relates to economic issues and policies. This course will cover the microeconomic content of the Advanced Placement exam that is given in the spring. This course will fulfill the graduation requirement for both Economics and Personal Finance for the class of 2028 and beyond. Students who successfully complete this course will earn 0.5 credits for Economics and 0.5 credits for Personal Finance if needed.

# SOCIAL STUDIES

## ADVANCED PLACEMENT GOVERNMENT AND POLITICS

**Grades 11, 12**
**2 Semesters (SS370A/B)**
AP Government is for advanced social studies students wishing to prepare for the advanced placement test given each spring. This course includes the study of general concepts of government as well as various groups, people and ideas of American politics. Students will be expected to demonstrate in written and oral form knowledge of a variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will be expected to complete extensive readings and writings on political theory and politics in action in addition to taking the AP exam in the spring. Successful completion of AP government will fulfill the government requirement for graduation.

## ADVANCED PLACEMENT PSYCHOLOGY

**Grades 11, 12**
**2 Semesters (SS322A/B)**
Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. You'll examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies. Skills You'll Learn: connecting psychological concepts and theories to real-life scenarios; understanding and interpreting data; analyzing research studies in psychology.

## ADVANCED PLACEMENT U.S. HISTORY

**Grades 10, 11, 12 (9th grade may take with permission of teacher and counselor)**
**2 Semesters (SS301A/B)**
This class may be taken to fulfill the 20th Century American History graduation requirement. AP U.S. History is designed for juniors and seniors who want advanced study in American History. Substantial emphasis will be placed on reading and writing skills. An in-depth study of our nation's history from Colonial America through the present will prepare students for the AP U.S. History examination. Summer reading and assignments may be required.

## ADVANCED PLACEMENT WORLD HISTORY

**Grades 10, 11, 12**
**2 Semesters (SS303A/B)**
This class may be taken to fulfill the World Studies graduation requirement. AP World History offers balanced global coverage with Africa, the Americas, Asia, Europe, and Oceania all represented. The Course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing different types of historical evidence. Advanced social studies students will be expected to achieve college level analytical and writing capacities, which are designed to prepare them for the Advanced Placement Exam given nationally in May of each year. Summer reading and assignments may be required.

# WORLD LANGUAGE

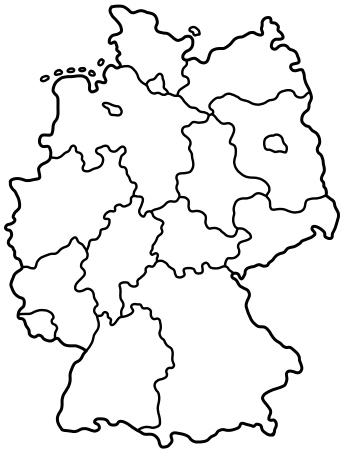
# GERMAN

**GERMAN 1**
**Grades 9, 10, 11, 12**
**2 Semesters (WD110A/B)**
Prerequisite: Motivation, a strong work ethic, an interest in and an acceptance of cultural diversity. This course is an introduction to the German language through the development of the four basic language skills: listening, speaking, reading and writing. German culture, history and contemporary life are also examined.

**GERMAN 2**
**Grades 10, 11, 12**
**2 Semesters (WD112A/B)**
**Prerequisite: German 1 or approval of the instructor**
Fundamentals learned in German 1 are reviewed and developed with the same emphasis on listening, speaking, reading and writing. Students will further examine the culture, history and contemporary life of German speaking people.

**GERMAN 3**
**Grades 11, 12**
**2 Semesters (WD210A/B)**
**Prerequisite: German 2 or approval of the instructor**
Listening, reading, speaking and writing skills are broadened through review and the introduction of more detailed grammatical structures. Students will also gain a heightened awareness of German culture, contemporary life and literature.

**GERMAN 4**
**Grades 12**
**2 Semesters (WD310A/B)**
**Prerequisite: German 3 or approval of the instructor**
German 4 is an advanced course that places emphasis on more individual expression in speaking and writing, while fine tuning listening and reading skills. Students will continue to increase their awareness of German history, culture, and contemporary life.



# WORLD LANGUAGE

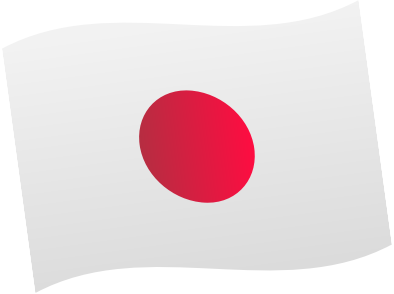
# JAPANESE

**JAPANESE 1**
**Grades 9, 10, 11, 12**
**2 Semesters (WD120A/B)**
**Prerequisite: An interest in non-Western cultures, motivation, a strong work ethic, and a willingness to try chopsticks.**
This course is an introduction to the Japanese language and culture. Students will learn to read and write the two phonetic scripts and develop basic oral communication skills in formal Japanese through dialogues and role-playing activities. By examining the history, culture and contemporary life of Japan, you will gain an appreciation of this fascinating Asian nation.

**JAPANESE 2**
**Grades 10, 11, 12**
**2 Semesters (WD220A/B)**
**Prerequisite: Japanese 1 or approval of the instructor**
Japanese 2 is for students who completed Japanese 1. Students will continue to work on the four major skills of language development: reading, writing, speaking and listening. Students will expand their knowledge of written Japanese to include some kanji. Informal Japanese will be introduced. In addition, culture, customs and history will be explored as part of the curriculum.

**JAPANESE 3**
**Grades 11, 12**
**2 Semesters (WD320A/B)**
**Prerequisite: Japanese 2 or approval of the instructor**
**Japanese 3 is for students who completed Japanese 2.** Students will continue to work on reading, writing, speaking and listening skills in both formal and informal speech. Students will improve their knowledge of written Japanese and will continue to learn more kanji.

**JAPANESE 4**
**Grades 12**
**2 Semesters (WD420A/B)**
**Prerequisite: Japanese 3 or approval of the instructor**
Students in Japanese 4 will gain greater insights into Japanese culture. In reading and writing, students will continue to expand their knowledge of kanji. In oral communication, they will learn to use formal and informal speech patterns. Myths, legends and folktales will be read as literature.



# WORLD LANGUAGE

# SPANISH

**SPANISH 1**
**Grades 9, 10, 11, 12**
**2 Semesters (WD130A/B)**
Prerequisite: Motivation, a strong work ethic and interest in and an acceptance of cultural diversity. This course is an introduction to the Spanish language through the development of the four basic language skills: reading, writing, listening and speaking. Hispanic culture, history and contemporary life are also examined. This course may be offered both in-person and in a synchronous virtual model.

**SPANISH 2**
**Grades 9, 10, 11, 12**
**2 Semesters (WD132A/B)**
**Prerequisite: Spanish 1 or approval of the instructor**
Fundamentals learned in Spanish 1 are reviewed and developed with the same emphasis on listening, speaking, reading and writing. Students will further examine the culture, history and contemporary life of Spanish speaking people.


**SPANISH 3**
**Grades 10, 11, 12**
**2 Semesters (WD230A/B)**
**Prerequisite: Spanish 2 or approval of the instructor**
Listening, reading, speaking and writing skills are broadened through review and the introduction of more detailed grammatical structures. Students also will gain a heightened awareness of Hispanic culture, contemporary life and literature.

**SPANISH 4**
**Grades 11, 12**
**2 Semesters (WD330A/B)**
**Prerequisite: Spanish 3 or approval of the instructor**
Spanish 4 is an advanced course that places emphasis on more individual expression in speaking and writing, while fine tuning listening and reading skills. Students will continue to increase their awareness of Hispanic history, culture and contemporary life.

**ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE**
**Grade 12**
**2 Semesters (WD430A/B)**
This course is designed for students who desire to continue the study of Spanish in the fifth year and who may wish to receive college credit by successfully completing the Advanced Placement Test in the Spanish Language. Excellent Spanish speaking and writing skills are necessary. A variety of authentic and college-level materials are utilized throughout the course in order to increase proficiency in the language and prepare students for the AP test. The AP Spanish Language course is intended to cover the equivalent of a third-year college course in advanced Spanish composition and conversation.

# CAREERS

## Career Clusters & the SLCS High School Curriculum


**Career clusters are groups of occupations in the same field. Each cluster contains a group of jobs that require similar knowledge or skills. Students are encouraged to use career clusters to help navigate their course planning and explore career options. Below are the Career Clusters and a few suggested courses for each cluster.**

**Architecture & Construction**
-Architectural Design
-Computer Aided Design
-Modern Technologies

**Agriculture, Food & Natural Resources**
-Environmental Studies
-Oceanography and Meteorology

**Arts, A/V Technology & Communications**
-Any Art class
-TV 1 or 2
-Any Computer class

**Business Management & Administration**
-Entrepreneurship
-Intro to Business
-Marketing Store Operations

**Education & Training**
-PEERS

**Energy**
-Physics
-Environmental Studies

**Finance**
-Consumer Math
-Accounting
-Intro to Finance

**Government & Public Administration**
-Government
-AP Government

**Health Science**
-Anatomy and Physiology
-AP Biology
-AP Chemistry

**Human Services**
-Psychology
-AP Psychology
-PEERS

**Hospitality & Tourism**
-Marketing Operations
-Accounting

**Information Technology**
-MS User
-Cyber Security
-Digital Imaging and Multi Media

**Law, Public Safety, Corrections & Security**
-Cyber Security
-AP Government

**Manufacturing**
-Modern Technologies
-Robotics and Automation
-Engineering Projects

**Marketing**
-Marketing Operations
-Accounting

**Science, Technology, Engineering & Math**
-Engineering Projects
-All Science courses
-All Technology courses

**Transportation, Distribution & Logistics**
-Data Analysis and Probability
-AP Micro or Macro Economics

**The state of Michigan requires all students to have an Educational Development Plan (EDP). SLCS students utilize Xello to house their EDP and develop their talent portfolio as they plan for their future.**
**Xello is an online platform that provides information about careers, schools, interest inventories, and is a planning tool for students to map out their high school courses. Parents are encouraged to work with students as they explore in Xello and prepare for their future careers.**

**Students can access Xello by signing into their SLCS Google account and selecting the Xello app from the Google apps menu. Counselors and Career Development Facilitators are also available to assist students with their post secondary goals.**

# OAKLAND SCHOOLS CAREER FOCUSED EDUCATION

# OAKLAND SCHOOLS TECHNICAL CAMPUS - SOUTHWEST (OSTC-SW)

## Vision
Every student graduates, progressing to quality post-secondary learning and employment.

## Mission
A learning system that provides:
- Informed career preparation decisions
- Skills and knowledge (academic, technical, workplace)
- Preparation to compete in the global marketplace

## Quality Policy
The career focused Education department within the Oakland Schools Intermediate School District is responsible for the quality management and improvement system of the four Oakland Schools Technical Campuses. Oakland Schools, and all of its departments, are committed to a high-performance quality operating system based on quality practices and tools to ensure high-level learner achievement and stakeholder satisfaction through customer focus, process measurement and management; continuous improvement and system excellence. The Oakland Schools Technical Campus Southwest is accredited by the North Central Association.

## Overview
Oakland Schools Technical Campus is an extension of your high school. By attending your high school half of the day and the technical campus the other half of the day, you are experiencing a full academic day. Our educational and training opportunities are structured with offerings we call clusters. These clusters (there are nine of them) are developed around broad occupational areas and contain many different, but related, career training options for students. A team of specialized instructors that possess State of Michigan Vocational Authorization staffs these clusters. This ensures that the staff has both the necessary technical expertise and the knowledge of best instructional methodology practices. These instructional teams are either supported by or include academic staff. Additionally, the clusters are designed to facilitate learning, not just deliver a sequence of instruction. This allows for the student to better manage their instructional plan, work cooperatively with other students, and progress at their own pace. Programs allow us to provide the highest level of curriculum, meet the needs of a diverse population of students, and maintain the highest level of quality possible. Clusters are designed to provide students with instruction for up to two years or more.


**OSTC - SW**
**1000 Beck Road**
**Wixom, MI 48393**

OAKLAND SCHOOLS CAREER FOCUSED EDUCATION

# OAKLAND SCHOOLS TECHNICAL CAMPUS - SOUTHWEST (OSTC-SW)

## Student Transportation

Students may choose the bus services provided by SLCS or provide their own transportation. Students who elect to drive or ride with another assume all responsibilities connected with transportation.

## Credit

Oakland Schools Technical Campuses will recommend high school credit for students based on the local district requirement ( 1-1/2 credit per semester) upon successful completion of the program's requirements. Articulated and direct credits for college courses may be available based on agreements with many post-secondary institutions. Credit awards for students will be based on student achievement and the agreement with the particular college or university.

## School-to-Career Opportunities

Employer training opportunities (paid and unpaid) are available through the technical campuses to students who meet qualification requirements, including interest, technical knowledge and skills, attendance, and behavior.

Oakland Schools Technical Campus opportunities are designed to provide the student with the experience of preparing for a career, however, no guarantee of employment is promised at the time of completion.

## Academic Offerings

To provide for students that need to meet new State academic credit requirements for graduation, the opportunity to receive both technical (elective) and academic credit as part of their program at the SW Campus is offered through the following course offerings, if recommended by the home school. In some cases, the instruction is embedded in the curriculum of the technical program and may include computer-based instruction, text materials and media, instructional activities by the technical staff, and support in the cluster by highly qualified academic instructors. In other situations, students may leave the cluster at designated times to attend a class held by a highly qualified academic instructor. In most cases, the student is enrolled separately in the course and receives a separate grade.

More information can be found at the **OSTC website** and by talking to your counselor.

## OSTC-SW PROGRAMS

**Agriscience and Environmental Technologies**
**Automotive Technology**
**Collision Repair and Refinishing**
**Computer Programming**
**Culinary Arts/Hospitality**
**Cybersecurity Networking**
**Engineering, Robotics & Mechatronics**
**Entrepreneurship and Advanced Marketing**
**Graphic and Communication Design**
**Health Sciences**
**Medium/Heavy Truck and Equipment**
**Welding**

OAKLAND SCHOOLS TECHNICAL CAMPUS

# AGRISCIENCE AND ENVIRONMENTAL SCIENCE

## Description

- Work alongside professionals in hydroponics, veterinary science, sustainable agriculture, environmental engineering and conservation.
- Conduct dynamic hands-on activities and experiments in animal, plant and environmental sciences.
- Use advanced technology to develop ethical and viable solutions to real-world environmental problems

## What You'll Learn

Students will work alongside professionals while conducting dynamic hands-on activities. Students perform experiments in animal, plant and environmental sciences and use advanced technology to develop ethical and viable solutions for real-world problems. The curriculum includes: fisheries and wildlife, forestry, greenhouse management, floral design, hydroponics, organic gardening, landscape design, veterinary assisting, animal care, environmental science and aquaculture.

## Licenses/Certificates Available

- CASE - Curriculum, for Agricultural Science Education
- iCEV
- Animal Care Technologies
- Davey Tree - Practical Tree Care
- Certified Green Industry Professional



OAKLAND SCHOOLS TECHNICAL CAMPUS

# AUTOMOTIVE TECHNOLOGY

## Description

- Diagnose, repair and maintain automobiles from basic through advanced automotive systems.
- Operate professional diagnostic and repair equipment.
- Work alongside master technicians in a rapidly changing industry.

## What You'll Learn

Students have the opportunity to gain skills through intensive hands-on and quality instruction, while working alongside master ASE (Automotive Service Excellence) technicians in a full-service, interactive automotive lab designed to simulate current industry standards. Students will gain core and fundamental skills through advanced diagnosis and repair strategies in safety, customer service, engine repair, automatic trans/transaxle, manual drivetrain and axles, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, engine performance, diesel engine theory, and work ethic.

The Maintenance Light Repair (MLR) track is a 2 year program that provides students with a fundamental skill set, preparation for a post-secondary program, a concentration on gaining entry-level certifications, and or entry-level internship opportunities.

## Licenses/Certificates Available

- National Automotive Technicians Education Foundation (NATEF) certification
- Automotive Service Excellence (ASE) certification



OAKLAND SCHOOLS TECHNICAL CAMPUS

# COLLISION REPAIR AND REFINISHING

## Description

- Repair, restore and refinish vehicles to showroom condition.
- Use the same advanced painting, welding and repair equipment as automotive professionals.
- Create custom modifications using artistic design techniques.

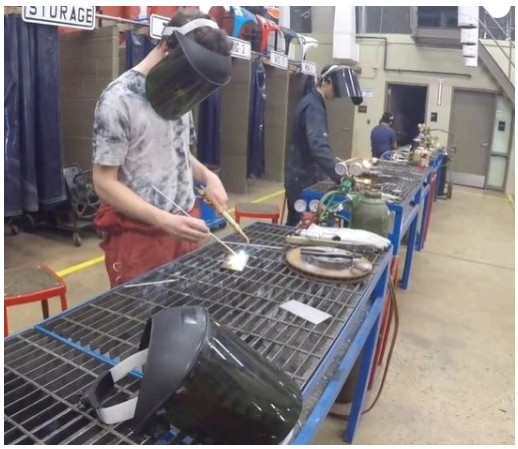
## What You'll Learn

This program prepares students to repair, restore, and refinish vehicles to showroom condition - using the same advanced painting, welding and repair equipment used by automotive professionals. Students also get a chance to create custom modifications using artistic design techniques.

## Licenses/Certificates Available

- National Automotive Technicians Education Foundation (NATEF) certification
- Automotive Service Excellence (ASE) certification
- Automotive Lift Institute (ALI)
- S/P2 Safety Training
- State of Michigan

**THIS PROGRAM HAS AN OAKLAND TECHNICAL EARLY COLLEGE OPTION WITH AN ADDITIONAL APPLICATION REQUIRED.**


OAKLAND SCHOOLS TECHNICAL CAMPUS

# COMPUTER PROGRAMMING

## Description

- Write code to power the modern world from game design to mobile applications to Intelligent transport systems.
- Express your creativity and unlock the solutions to complex problems through the universal language of computers.
- Program in advanced languages such as Java, HTML5 and CSS3.

## What You'll Learn

Students will experience information technology topics in web development, application development and computer programming. They will learn to write code to power game design, business application development and explore programming with robotics. Students will program in advanced languages such as Java and HTML5.

## Licenses/Certificates Available

- Certified Internet Webmaster (CIW)
- Oracle - Java Foundations
- Microsoft Technology Associate (MTA)

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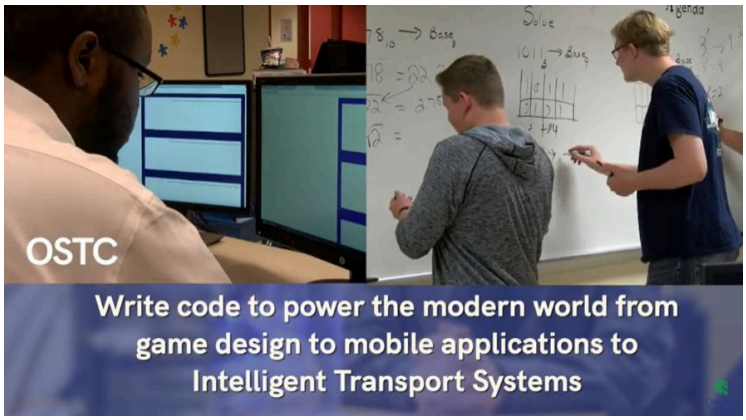



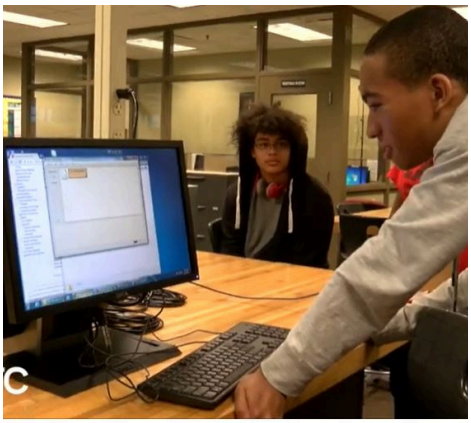

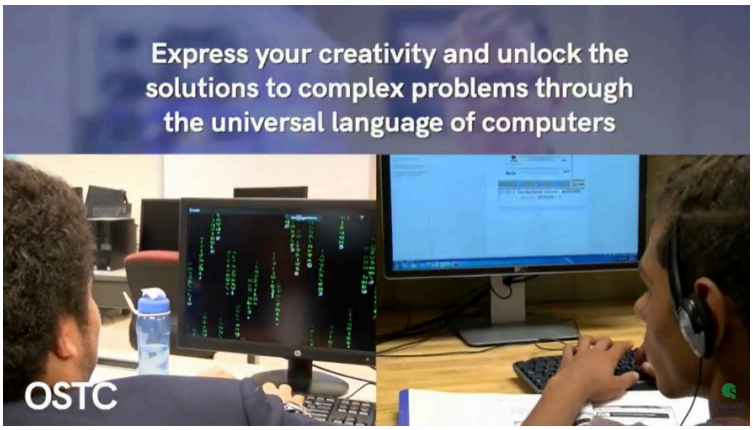

OAKLAND SCHOOLS TECHNICAL CAMPUS

# CULINARY ARTS/HOSPITALITY

## Description

- Cook alongside professional chefs to create amazing gourmet cuisine in a fast-paced environment.
- Be a key part of the team that operates a restaurant, prepares regional/international cuisines and delivers unique dining experiences.
- Craft and present delicious, gourmet creations while preparing for competitions and events.

## What You'll Learn

Students cook alongside professional chefs to create amazing gourmet cuisine using a broad background of skills and knowledge. Students utilize industry based tools, equipment and technology and are trained in business procedures. Students teams operate a restaurant and provide catering services, crafting and presenting delicious gourmet creations while preparing for competitions and events.Students become proficient in the use of point-of-sale systems and communicating with guests. Training is provided in cooking, menu design, staffing and scheduling, food preparation and financial management, as well as fundamentals of the travel, tourism, and hospitality industries.

## Licenses/Certificates Available

- Servsafe Food Handlers
- Servsafe Manager
- Servsafe Allergens

**THIS PROGRAM HAS AN OAKLAND TECHNICAL EARLY COLLEGE OPTION WITH AN ADDITIONAL APPLICATION REQUIRED.**




OAKLAND SCHOOLS TECHNICAL CAMPUS

# CYBERSECURITY NETWORKING

## Description

- Practicing cyber-security response measures through simulated hacking environments focused on looking for weaknesses and vulnerabilities in systems
- Focusing on developing sophisticated counter cyber security measures aimed at combating technical online threats and hazards that are capable of disrupting and destroying essential services and systems
- Learning how to design, install, and troubleshoot computer network systems

## What You'll Learn

Students are introduced to basic security principles involving networks and operating systems, including the current threats, vulnerabilities, and policies of electronic commerce. They gain an understanding of the principles of risk management, security architectures, incident handling disaster recovery and secure systems administration.

## Licenses/Certificates Available

- MTA Security Fundamentals
- MTA Networking Fundamentals
- CompTIA Security+
- EC Council (Certified Ethical Hacker Associate and Computer Forensics Associate)

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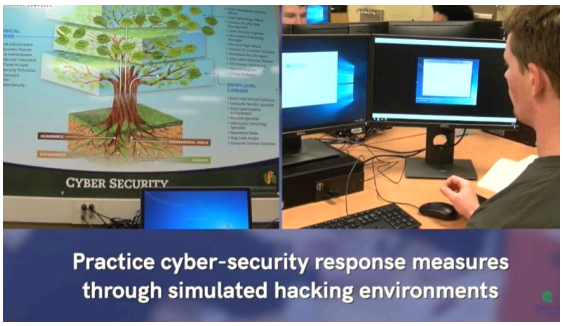



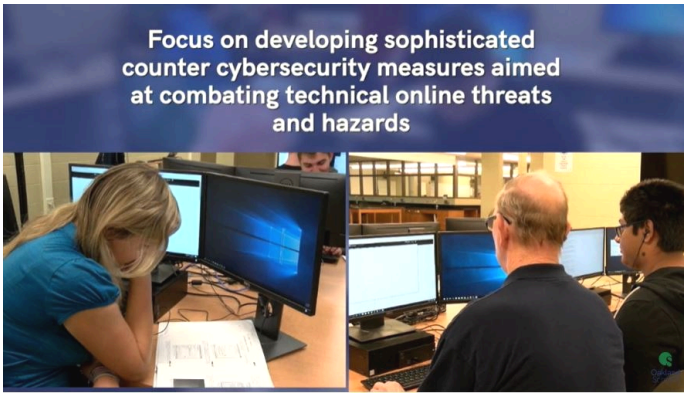

OAKLAND SCHOOLS TECHNICAL CAMPUS

# ENGINEERING, ROBOTICS & MECHATRONICS

## Description

- Invent, revolutionize, build and creatively solve the needs and demands of a technologically advancing world.
- Design and build powerful robotic, hydraulic, pneumatic, electrical, electronic and mechanical systems.
- Creatively solve complex engineering and design challenges using advanced CAD/CAM and CNC technologies.

## What You'll Learn

Students will learn high-tech engineering technologies to invent, revolutionize, build and creatively solve the needs and demands of a technologically advancing world. Students will design and build powerful robotic, hydraulic, pneumatic, electrical, electronic and mechanical systems and learn to creatively solve complex engineering and design challenges using advanced CAD/CAM and CNC technologies. The curriculum also includes core foundational skills for design processes, power, machines, quality insurance and fabrication.

## Licenses/Certificates Available

- OSHA 10 General Industry (Manufacturing)
- International Society of Certified Electronics Technicians (ISCET) - DC Certification
- International Society of Certified Electronics Technicians (ISCET) - AC Certification
- Fanuc Robotics Certification
- Certified Solidworks Associate

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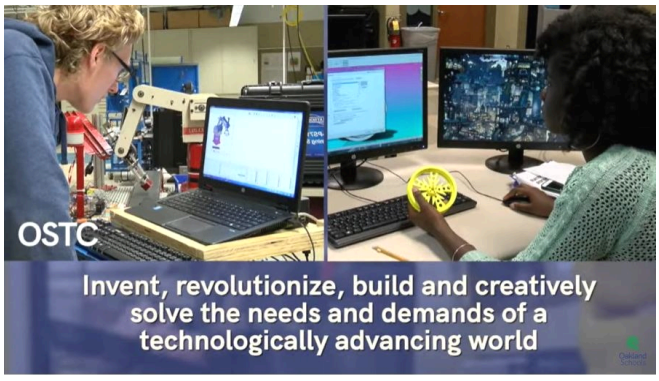

OAKLAND SCHOOLS TECHNICAL CAMPUS

# ENTREPRENEURSHIP AND ADVANCED MARKETING

## Description

- Discover your inner-executive, become a marketing guru, and learn how to “wow” your customers.
- Create eye-catching advertisements, develop social media and run special events to make an impact.
- Be the boss, work for yourself, run your own business.

## What You'll Learn

No matter what you choose to do in life, it is essential to have strong business, leadership and marketing skills! In this program, designed for beginners to the advanced, students learn valuable leadership, entrepreneurship and marketing skills that will provide them with a successful foundation for any career, in addition to the knowledge necessary to manage and run their own business.
This program is packed with several engaging projects, virtual simulations, field trips, job shadows and guest speakers. Students can also earn national industry certifications and even an associate’s degree for free!

## Licenses/Certificates Available

- Microsoft Office Specialist (Word, PowerPoint, Excel, Access and Outlook),
- Entrepreneurship and Small Business
- Customer Service & Sales and Retail Management

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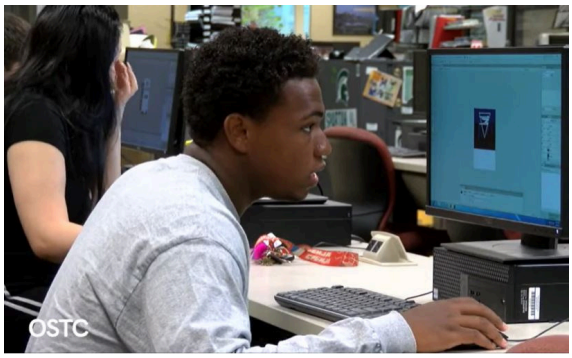


OAKLAND SCHOOLS TECHNICAL CAMPUS

# GRAPHIC AND COMMUNICATION DESIGN

## Description

- Create in a world where imagination becomes reality.
- Design and create dynamic brand identifications, products, animations and digital media.
- Create a personal portfolio showcasing your ideas and talents.

## What You'll Learn

Students will prepare for careers that communicate ideas and information to the public and include the areas of graphic communication, graphic design, interactive multimedia/animation and audio and video and film production skills and processes. Students will design and create dynamic brand identifications, products, animations and digital media, while creating a personal portfolio showcasing their ideas and talents.

Students will be introduced to a variety of digital media used in online advertising, social-media marketing and website implementation, including video production and post-production, animation and motion graphics. Additionally, this program provides training opportunities in screen-printing, press operations and bindery, page layout, digital photography and illustration, advertising design, and marketing presentations used in “real-world” projects.

## Licenses/Certificates Available

- Adobe Illustrator
- Adobe InDesign
- Adobe Photoshop

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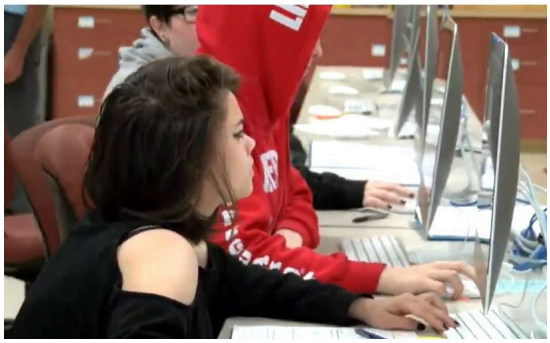


OAKLAND SCHOOLS TECHNICAL CAMPUS

# HEALTH SCIENCES

## Description

- Make a difference by providing quality care alongside experts in many healthcare professions.
- Apply health care skills in a variety of clinical environments.
- Develop a professional work ethic and the ability to provide compassionate patient care.

## What You'll Learn

Students will make a difference by providing quality care alongside experts in many different healthcare professions. They will apply the health care skills they master in class to a variety of clinical environments while developing a professional work ethic and the ability to provide compassionate patient care.

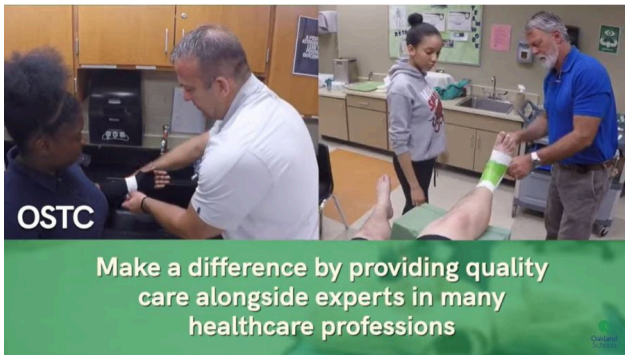
Students will learn the core and foundation skills (temperature, pulse, respirations, blood pressure, etc.) for health fields such as medical assisting, laboratory, medical office technology, dental assisting, optical technology, nursing and pharmacy. Also, students will gain an understanding in all areas of the health core curriculum including: safety, anatomy and physiology, asepsis, ethics, medical terminology, pharmacology, illness prevention and office procedures.

Additional training opportunities are available in phlebotomist, EKG technician, sports safety, radiology aide, surgical technical aide, respiratory therapy aide, occupational therapist, physical therapist, dietary aide, and medical records and billing.

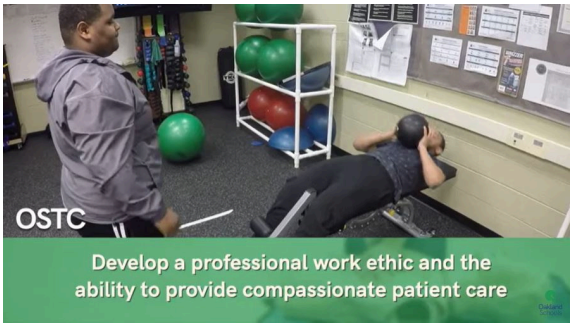
## Licenses/Certificates Available

- Certified Nurse Aide (CNA)
- CPR and First Aid through the American Heart Association
- Patient Care Technician (PCT)

**THIS PROGRAM HAS AN OAKLAND TECHNICAL EARLY COLLEGE OPTION WITH AN ADDITIONAL APPLICATION REQUIRED.**





OAKLAND SCHOOLS TECHNICAL CAMPUS

# MEDIUM HEAVY TRUCK AND EQUIPMENT

## Description

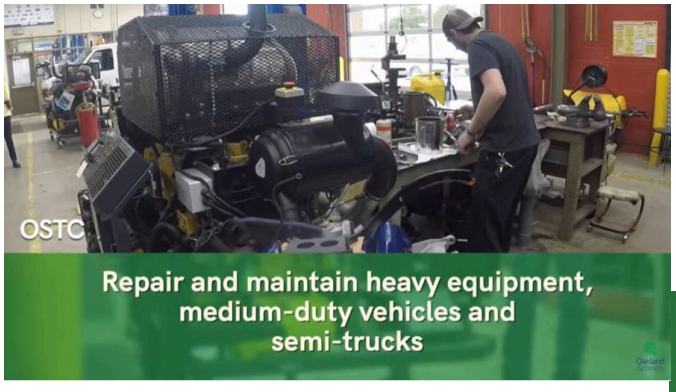
- Repair and maintain heavy equipment, medium-duty vehicles and semi-trucks.
- Operate the same advanced diagnostic and repair equipment as professional technicians.
- Deliver quality customer service and repair solutions for equipment owners.

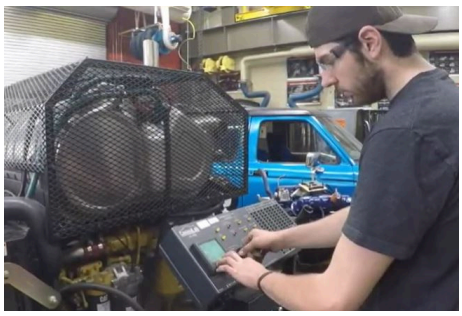
## What You'll Learn

Students will become proficient with shop tools and equipment while maintaining and repairing semi-trucks, bulldozers, backhoe loaders, etc. The HETT program is divided into units of study. Examples are: Shop Lab (Drilling, tapping, torch cutting, arc/mig welding, etc.), Engine Service (Trouble-shooting, diagnosis, cylinder head, overhaul, etc.), Electrical (Basic electricity, batteries, starters, charging, etc.) Hydraulic and Air Brakes. Students get the opportunity to operate equipment during the spring. Students who complete this course can enjoy a career as a heavy equipment technician, medium/heavy truck technician, truck driver, heavy equipment operator (from landscape skid loaders to bulldozer), laborer (usually in the building trades), welder, forklift driver, service writers, foremen, supervisors, teachers, engineer technical support personnel and emergency vehicle repair.

## Licenses/Certificates Available

- MIHDT: Electrical Systems, Brakes, Suspension and Steering Systems, Engine Repair Diesel, Engine Repair Gasoline, HDT Drivetrain, Commercial Driver's License
- Career Safe, OSHA 10 General Industry
- Customer Service and Sales 1
- Advanced Customer Service and Sales 2
- Autolift Institute
- ASE: Electrical/Electronic Systems, Inspection Maint, Steering & Suspensions, Brakes, Diesel Engines



OAKLAND SCHOOLS TECHNICAL CAMPUS

# WELDING

## Description

- Control fire, electricity and heat to design, dismantle and fabricate a wide range of products.
- Use advanced equipment and techniques to join, cut, bend and manipulate metal.
- Develop the skill, confidence, work ethic and stamina necessary for a high-paying career anywhere in the world.

## What You'll Learn

Students will learn to control fire, electricity and heat to design, dismantle and fabricate a wide range of products. Students will use advanced equipment and techniques to join, cut, bend, and manipulate metal as they develop the skill, confidence, work ethic and stamina necessary for a high-paying career anywhere in the world. The curriculum includes core foundational skills for design processes, power, machines, quality insurance and fabrication.

## Licenses/Certificates Available

- OSHA - 10 General Industry (Manufacturing)
- American Welding Society – Certified Welder GMAW
- American Welding Society – Certified Welder GTAW
- American Welding Society – Certified Welder SMAW

**THIS PROGRAM HAS AN OAKLAND TECHNICAL EARLY COLLEGE OPTION WITH AN ADDITIONAL APPLICATION REQUIRED.**




# SOUTH LYON COMMUNITY SCHOOLS and LIVINGSTON EDUCATIONAL SERVICE AGENCY PARTNERSHIP

## AVIATION ACADEMY
## PRIVATE PILOT FLIGHT COURSE

**Grades 11, 12**
**2-hour block**
**Must provide own transportation to Howell High School.**
Our district entered into an agreement with the Livingston Educational Service Agency (LESA). This year-long program is designed to expose students to the world of aviation while allowing them to explore the many aspects of the industry and career opportunities. This course is for students who are passionate about flying by providing the foundational knowledge to launch them into their pilot career. This course offers a structured curriculum to learn all the knowledge required to pass the FAA Private Pilot Knowledge exam. Passing this exam is a requirement for obtaining an FAA Private Pilot license which is the first step to becoming a career pilot. The knowledge learned is also applicable to any careers in aviation.

This course is about investigating the practical applications of math and physics used in learning to fly. It provides you with hands-on experiences. You will team up with classmates to learn how to pilot and navigate a flight course; then you'll fly that same trip on Crosswinds' aviation flight simulator. The course will be housed at Crosswind Aviation training center in Howell.

Aviation Program Information

## EMERGENCY MEDICAL TRAINING (EMT)

**Grade 12**
**3-hour block**
**Must provide own transportation to Howell High School.**
**Prerequisites: Firefighter I and II, Anatomy & Physiology.**
Our district entered into an agreement with the Livingston Educational Service Agency (LESA). This year-long program takes a hands-on approach to first aid and lifesaving techniques to prepare seniors for basic Emergency Medical Technician certification. Students may earn First Responder and CPR certifications and qualify for the National Registry of Emergency Medical Technician exam required for EMT licensure.

EMT Program Information

SOUTH LYON COMMUNITY SCHOOLS and
HOWELL PUBLIC SCHOOLS PARTNERSHIP

# FIREFIGHTER I AND FIREFIGHTER II

**Grades 11, 12**
Our district entered into an agreement with Howell Public Schools. The Firefighter Program is a State of Michigan approved Firefighter I and II certification class. Students must attend a minimum of 90% of classroom training, 100% of practical skills training and submit no less than 90% of homework assignments and pass the class with a 70% or higher to be eligible to test for the Michigan Firefighter I & II Certification which is necessary to become either a part-time or full-time firefighter.

The program is run in a para-military fashion, with students wearing required uniforms and daily inspections. In addition, students will be required to participate in physical training (PT) sessions at least twice a week, doing strength and cardiovascular training under the direction of certified fitness trainers. Protective clothing weighs 25 pounds, with the Self-Contained Breathing Apparatus (SCBA) weighing another 25 pounds.

In addition to the 3-period block for normal class meeting times, one additional Saturday per month is required, allowing the students more time to get into scenario-based practical skills training. While individual skills must be completed, emphasis is placed on teamwork. Students will be broken down into work groups, called platoons, for much of the required coursework.

During the fire academy, students will be encouraged to apply for Fire Cadet positions in the fire department serving their area. This is not required, as student schedules and home situations may not make this available to students. Fire Cadets are part of a structured program, giving cadets exposure to the fire station, familiarity with apparatus and co-workers, and gives them a roadmap on how to proceed in the organization to a full-fledged firefighter position.

Students entering the fire academy should have no previous discipline issues, giving them the best chance to succeed in the program. See your counselor for program application.

**FireFighter I and II Program Information**

## SOUTH LYON COMMUNITY SCHOOLS and NOVI COMMUNITY SCHOOLS PARTNERSHIP

# NOVI VIRTUAL

**Grades 9, 10, 11, 12**
**1 or 2 semester(s)**
***Prerequisite: Approval of Principal***
Our district entered into an agreement with the Novi Community School District. Their district is continuing their fully virtual learning program and sought partner districts. Under this agreement, our students remain South Lyon students but are able to attend a fully virtual program with synchronous instruction. Additionally, students from our district who enroll in this neighboring district's virtual program are able to continue to participate in extracurricular activities and athletics with our district. If your family is seeking out a fully virtual learning experience but wishes to remain connected to our district, please contact your child's principal as soon as possible to learn more. Below are additional information about the courses offered through the Novi Virtual Program:

**Novi Virtual Program Sample Schedule**

**Novi Virtual Course Offerings**

## SOUTH LYON COMMUNITY SCHOOLS and OAKLAND COMMUNITY SCHOOLS PARTNERSHIP

# VIRTUAL LEARNING ACADEMY CONSORTIUM (VLAC)

**Grades 9,10,11,12**
**1 or 2 semester(s)**
***Prerequisite: Approval of Principal***
VLAC provides a fully virtual, asynchronous learning environment for students. While enrolled in VLAC, students remain enrolled in South Lyon Community Schools, continuing to work toward South Lyon's graduation requirements. Coursework is facilitated through Imagine Learning or Lincoln Learning platforms. Students are supported by a dedicated VLAC mentor teacher and counselor, who offer guidance in areas such as course completion, organization, time management, and motivation. Additionally, the VLAC mentor teacher is available to meet virtually with both students and parents during regular school hours. All credits earned through VLAC are transferred to South Lyon Schools transcript. Students in the 12th grade who fulfill all South Lyon graduation requirements are awarded a South Lyon diploma., VLAC students remain eligible to participate in South Lyon athletics, clubs, and events, contingent on obtaining any necessary prior permissions. Please see the following links for more information: VIrtual Learning Academy Consortium Website: www.vlac.org and the VLAC Information Video: https://www.youtube.com/watch?v=3ckKZnj8iLE