

Shelby High School

2021 - 2022

Course Selections & Curriculum Guide



February 2021

This Course Description Book is a valuable resource in helping students and parents select courses while enrolled at Shelby High School. Choosing the correct courses to prepare students for life after high school can be challenging. I encourage you to work with guidance counselors, teachers and administrators throughout this process.

It is becoming increasingly difficult for students to choose a career path after high school. Technological advances, new research and an ever changing job market have changed how students choose a future career path. It has been stated many times that students who graduate from high school now will take a job in the future that does not currently exist. It is extremely important for our high school graduates to be well-rounded and able to adapt to many situations. A strong focus is now placed on developing critical thinking and problem solving skills as well as content knowledge. Shelby High School continuously reviews course offerings and makes any necessary changes to help prepare our students.

I strongly encourage students and parents to look through this booklet during the scheduling process. Completing the four year educational plan will help students begin to formulate a plan for both high school and college or career. This booklet also outlines many of our policies regarding graduation, grading and the scheduling process.

It is important that students return the schedule request forms by the deadline. This will allow us to determine the number of sections to offer and to set the master schedule. I urge students to ask a counselor, teacher or administrator if they have any questions about scheduling or advice on what courses to take.

Go Whippets!

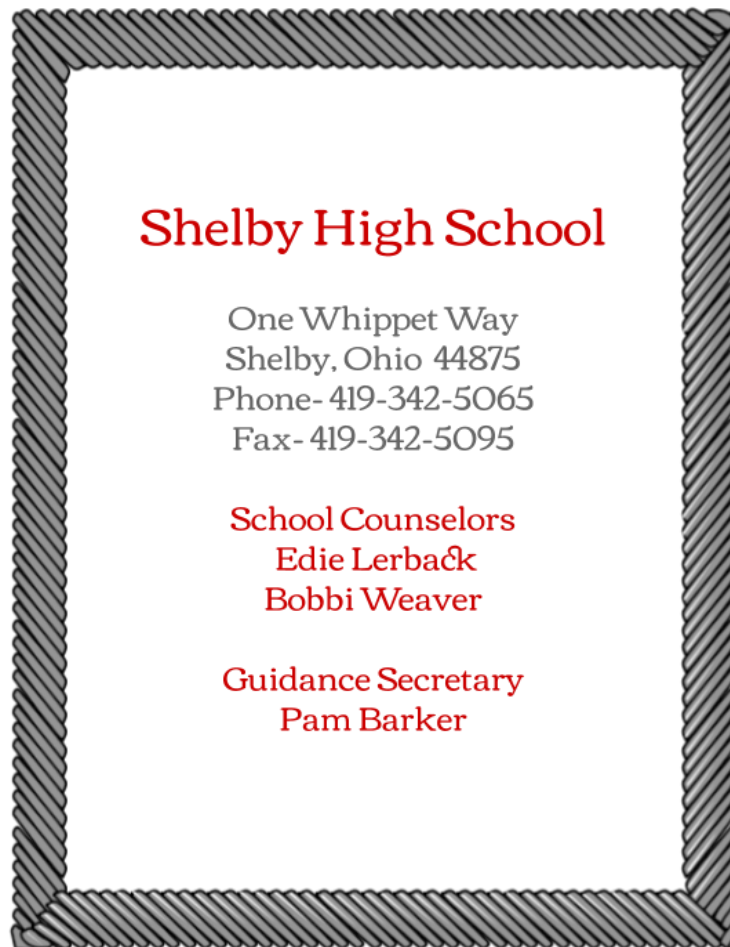
John Gies

SHS Principal

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GRADUATION REQUIREMENTS

Disclaimer- All of the listed information was accurate at the printing of this booklet. The Ohio General Assembly and the Ohio Department of Education continue to review new policies regarding student testing and graduation. We will keep you updated through parent newsletters.

Graduation Requirements	
English Language Arts	4 credits
Mathematics	4 credits
Science	3 credits
Social Studies	3 credits
Health	½ credits
Physical Education	½ credits *
Electives	6 credits
Total	21 credits

English Language Arts- English 1, 2, 3, 4, English 1010, AP Lit and AP Lang can be used to meet this requirement.

Mathematics- must include Algebra 2 or its equivalent.

Science- must include one credit of physical science, one credit of life science and one unit of advanced study in one or more of the following sciences: Chemistry, physics or other physical science, advanced biology or other life science such as astronomy, physical geology or other earth or space science.

Social Studies- must include American History and American Government. Starting with the Class of 2019, World History is also a required course. There is also a personal finance requirement that is met through the American Government class.

Physical Education- The Shelby City Schools have adopted a policy that allows students to waive the P.E. requirement if they complete two full seasons of interscholastic athletics, marching band or cheerleading. A physical education waiver must be completed and approved through the Guidance Office. No P.E. credits are issued if the student chooses to waive the class. However, the P.E. waiver does meet graduation requirements.

Fine Arts- Band, choir or art are included in the fine arts requirement with students completing at least two semesters anytime in grades 7-12. Those following a career-tech pathway are exempt from this requirement. If a student completes the requirement in middle school they will not receive high school credit for the course.

CLASS of 2022

In addition to earning 21 credits and meeting all curriculum requirements, students must complete one of the following Three Pathways:

- Earn 18 points on Ohio's State Tests
 - ELA 1, Algebra 1, ELA 2, Biology, Geometry, American History, American Government
- Earn a remediation-free score on the ACT
 - English- 18
 - Reading- 22
 - Math- 22

- Score Work Ready on the WorkKeys and earn a 12-point, approved industry-recognized credential (or group of credentials)

Students who do not meet the criteria for the pathways above can use the new Permanent Requirements (see Class of 2023 below).

CLASS of 2023 and BEYOND

Any student entering high school on or after July 1, 2019, must meet Ohio's new graduation requirements. These are titled the Permanent Requirements and are advertised as giving students more flexibility to choose a graduation pathway that builds on the student's strengths and passions.

1. **Cover the Basics**- students must earn a minimum of 21 credits in specified subjects and take the required tests (Algebra 1 and ELA 2).
2. **Show Competency**- Earn a passing score on the Algebra 1 and ELA 2 end of course exam. Students who do not pass the test will be offered additional support and must retake the test at least once.
 - After taking the required tests, there are three additional ways to show competency
 - **Option 1**- Demonstrate two career-focused activities
 - Note- at least one of the two activities must be Foundational
 - Foundational- Proficient score on WebXams, a 12-point industry credential or a pre-apprenticeship or acceptance into an approved apprenticeship program
 - Support- work-based learning or earn the required score on WorkKeys or on the Ohio Means Jobs Readiness Seal
 - **Option 2**- Enlist in the military
 - Show evidence that you have signed a contract to enter a branch of the U.S. Armed Services upon graduation
 - **Option 3**- Complete college coursework
 - Earn credit for one college-level math and/or college-level English course through the CCP program
3. **Show Readiness**- Earn **two** of the following diploma seals. At least one of the two must be Ohio-designed.
 - *Ohio Means Jobs Readiness Seal (Ohio)*
 - *Industry-Recognized Credential Seal (Ohio)*
 - *College-Ready Seal (Ohio)*
 - Earn remediation-free scores on the ACT or SAT
 - *Military Enlistment Seal (Ohio)*
 - Provide evidence that you have signed a contract to join a branch of the United States Armed Forces
 - *Citizenship Seal (Ohio) - meet one of three options:*
 - Earn proficient scores on the American History and American Government end of course exams, or
 - Earn a score of 3 or higher on the US History or American Government Advanced Placement Test, or
 - Earn a "B" or higher in an approved CCP course
 - *Science Seal (Ohio)- meet one of three options:*
 - Proficient on the Biology end of course exam, or
 - Earn a score of 3 or higher on an Advanced Placement science test, or
 - Earn a "B" or higher in an approved CCP course
 - *Honors Diploma Seal (Ohio)*

- Earn one of the five Honors Diplomas as defined by the Ohio Department of Education
- *Seal of Biliteracy (Ohio)*
 - Demonstrate proficiency in English and high levels of proficiency in at least one other world language
- *Technology Seal (Ohio)- meet of three options:*
 - Advanced Placement or IB, or
 - Earn a “B” or higher in an approved CCP course, or
 - Complete a course offered through the district that meets the guidelines set by ODE
- *Community Service Seal*
 - Perform at least 60 hours of community service over the four years of high school. Community service hours cannot be performed for family members and the student cannot be paid for the work.
 - Students will be required to document their hours
- *Fine and Performing Arts Seal*
 - Students must earn 10 points
 - Each fine or performing arts class is worth one (1) point. (Any art class, choir, band, music theory, music theater, pop music, music appreciation)
 - Each Whippet Theater performance (cast or crew) is worth one (1) point
 - Outside performances, such as local theater or church choir, may earn points as well. Outside performances require pre-approval from the high school principal
- *Student Engagement Seal*
 - Students must earn 10 points
 - Students can earn one (1) point for every school activity membership (athletics, clubs, band, choir)
 - Students must be active participants in the organization and finish the school year in good standing with the organization

COURSE SCHEDULING PROCESS

Each spring the Guidance department will meet with each class to discuss the scheduling process. Students will be given a form to indicate which courses they would like to take for the next school year. Counselors will then meet with each student individually to discuss an appropriate schedule. If a student wishes to request a schedule change after meeting with their counselor, he/she may do that until the “Change of Mind” deadline (**May 3rd**) without questions. After the deadline, students must complete a form which includes the student’s name, course (s) to add and/or drop. Schedule changes are discouraged and requests for schedule changes will be given close scrutiny. All changes must be approved by the counselors.

It is our policy to limit specific teacher requests by students and parents. If you feel there is an adequate reason for requesting a teacher, please schedule an appointment with the principal before May 3rd. As always, we appreciate the trust that you place in us in making the best placement for your child, as we consider all of the educational factors in each child’s best interests. No request is necessarily guaranteed, as we consider many factors in placing each child in a classroom.

SCHEDULING OPTIONS

Flexible Credit Options: Shelby High School does have a flexible credit option for students. This option would allow students to earn credits for a course based on an educational plan instead of sitting in the classroom. This option requires the student and parent to create an educational plan,

which must then be approved by the principal. If you are interested in this option, please contact the principal or school counselor.

Credit Recovery: It is possible for a student to earn credit for a course after they have taken the traditional course and failed. There are different ways for a student to recover credits, with the on-line option being the most popular. The school counselor will address this option with students on an individual basis. Contact the principal or school counselor if you have questions about this option.

Repeating a Subject: Credit for a specific course will be granted only once. A student may repeat a subject in order to improve their grade. When repeating a course for credit, the grade earned upon repeating the course will replace the original grade. This option is only available to a student earning a 'C' or lower in a course. A grade of "F" will remain on the student's transcript but the new grade will be used to calculate the grade point average.

Independent Study: Seniors desiring to expand their learning beyond the traditional classes offered may arrange to complete an independent study with a teacher. The following criteria apply:

- Students must have a 3.0 cumulative GPA.
- Independent study must be scheduled within the first five days of the semester.
- Independent study can only be arranged with the teacher during the academic year in which the independent study will take place. A student cannot request independent study during the scheduling process.
- A student can only schedule one independent study per semester.
- A student is limited to two independent study credits during high school.

Summer School: Shelby High School may offer courses over the summer through our online course offerings. Students have also taken classes at PCTC or other local schools. There are many factors school districts must consider when deciding to offer summer school courses. The SHS Guidance Department is made aware of summer school opportunities in April or May, please contact them before enrolling in a summer school course.

Incomplete Policy: An Incomplete (I) may be given under certain situations in lieu of a grade when a student does not complete the requirements of the course. The student must make arrangements with the teacher to fulfill those requirements. Teachers must submit final grades for each student upon completion of the course, or indicate to the principal what arrangements have been made to remove the incomplete. As the need arises, accommodations for individual situations shall be made by the building principal. Each student has two weeks after the last day of the grading period to fulfill the requirements of the course, upon returning from an extended absence (three days or more). Any work not made up will be recorded as failing. Exceptions to this policy must be approved by the principal.

Transfer Students: Transfer student's credits will be evaluated on an individual basis as to how their former curriculum corresponds to Shelby's curriculum and requirements.

Early Graduation: Students who wish to graduate early must apply prior to the beginning of the student's junior year (or senior year for students completing requirements at the end of the first term of the senior year). A conference will then be held with the student, parent, counselor and principal. The Board of Education will make the final decision on an individual basis.

Graduation with Honors: Shelby High School does recognize a Valedictorian. In addition, the Shelby Board of Education recognizes students as "HONOR GRADUATES, students with a cumulative weighted grade point average of at least 3.50 will receive a gold cords; students with a weighted grade point average of a 4.0 or higher will also receive a white stole.

WEIGHTED COURSES

Shelby High School offers a number of weighted courses that are more rigorous than traditional course offerings. To reward students for taking these courses, an add-on GPA system is used. For every weighted course a student earns a grade of C or higher, we will add .05 to their cumulative GPA.

There are different categories of weighted courses, broken down as follows:

- **Advanced Placement Courses**

- AP courses are taught at a freshman college course level
- There are additional courses that are prerequisites to AP courses
- Students will be required to take the AP Exam
- Courses:
 - AP Biology
 - AP English Literature and Composition
 - AP Government
 - AP US History
 - AP Calculus
 - AP Language and Composition
 - AP US History
 - AP Physics 1
 - AP Computer Science Principles

- **College Credit Plus Courses**

- Students in these courses earn both high school and college credit
- Only English, math, science and social studies CCP courses are weighted. Courses in other subject areas, such as business or social work, are not weighted.
- Students must meet all requirements to be accepted into the college to be awarded college credit (certain score on ACT, Accuplacer test score)
- College credit earned is the decision of the post-secondary institution offering the course
- CCP courses offered at SHS:
 - Calculus I

- **Other Weighted Courses**

- Some courses require a teacher recommendation
- Courses:
 - Honors English 9, 10
 - Contemporary World Issues
 - Honors Chemistry
 - Algebra 2
 - Trigonometry
 - Pre-Calculus
 - Spanish 3
 - Spanish 4

GRADING SCALES

All SHS courses use the following grading scale:

90-100	A
80-89	B
70-79	C
60-69	D
59 and below	F

There may be some differences in the grading scale for CCP courses.
The teacher will discuss these changes at the start of the course.

CALCULATING QUARTER and FINAL GRADES

- To compute the final grade for a one semester course the following formula is used:
 - $2 \times \text{first quarter \%} + 2 \times \text{second quarter \%} + \text{final exam \%} = X$
 - $X/5 = \text{final grade \%}$
 - For example: The student earns a 78% first quarter, 85% second quarter and a 94% on the final exam. $(78 \times 2) + (85 \times 2) + 94 = 84\%$ -- the student would earn a B for the course.
- To compute the final grade for a year long course, we first calculate the semester average for both semesters. The following formula is used:
 - $\text{First quarter \%} + \text{second quarter \%} = X$
 - $X/2 = \text{semester \%}$
- We then calculate the final grade using the following formula:
 - $2 \times \text{semester 1\%} + 2 \times \text{semester 2\%} + \text{final exam \%} = X$
 - $X/5 = \text{final grade \%}$

CALCULATING GRADE POINT AVERAGE (GPA)

We use a weighted GPA for the Honor Roll and a non-weighted GPA for calculating the cumulative GPA.

- **Honor Roll** – we use the grade earned each quarter to determine the Honor Roll. There are three levels for the Honor Roll: 4.0 or higher, 3.5-3.99 and 3.0-3.49. Students who earn a 3.5 or higher are awarded a Red Card and those who earn 3.0-3.49 are awarded a Gray Card. The red and Gray Cards allow students to gain entrance to certain school events at a discounted rate. To calculate the GPA for the Honor Roll, the following formula is used:
 - Regular courses—A=4, B=3, C=2, D=1, F=0
 - Weighted courses—A=5, B=4, C=3, D=1, F=0
 - Add the numeric value of each letter grade earned and divide by the number of credits attempted.
 - Example 1: A student earns grades of A, A, B and C in all regular courses. The numeric values are 4, 4, 3 and 2. The total is 13, which is divided by 4 for a GPA of 3.25.
 - Example 2: A student earns weighted grades of A, B and A and a regular grade of B. The numeric values are 5, 4, 5 and 3. The total is 17, which is divided by 4 for a GPA of 4.25.
- **Cumulative GPA**
 - A student's cumulative GPA is calculated using the unweighted GPA. Students are rewarded for taking more advanced courses by the use of a GPA add-on system. For every weighted course we add .05 to the cumulative GPA. For instance, a student with a 3.8 unweighted GPA and who takes five weighted courses in high school will have .25 added to their GPA, making their cumulative GPA 4.05.

Students who do not meet all curriculum requirements will not be permitted to take part in the Graduation ceremony. The student will be awarded their diploma upon completion of all curriculum requirements and successfully passing any required state assessments.

COLLEGE CREDIT PLUS

Eligible high school students can take a course and earn high school and college credit that appears on both their high school and college transcripts. All courses offered through CCP must be the same course that the college offers and the course must apply to a degree or professional certificate. The goal of CCP is to increase the number of high school students who are college- and career-ready. The program increases the opportunity for high school students to earn college credit while in high school.

Students enrolled in a CCP course may take the course at SHS or at a local public college. There is no cost for fees or books to the student for taking courses at a public college. There may be costs incurred if a student chooses to attend a private college. The courses a student takes through the CCP program count toward the student's high school GPA. **Students who fail a CCP course may be responsible for reimbursing the District for the cost of the course.**

North Central State College courses that are offered at Shelby High School include:

- Calculus = Math 1150

The North Central State College website (www.ncstatecollege.edu) lists all of the courses that are available through the CCP program. For example, listed below are the courses in the Business Pathway that a student could take to earn at least 15 and 30 hours in one year:

Course	Course Title	Credits		Course	Course Title	Credits
ENGL 1010	English Composition I	3		ENGL 1030	English Composition II	3
MATH 1130	Trigonometry	4		MATH 1150	Calculus I	5
HIST 1010	American Culture & History to1877	3		BUSM 1150	Marketing	3
ECON 1510	Microeconomics	3		ECON 2510	Macroeconomics	3
BUSM 1110	Business Law	3				
	Total Credits	16			Total Credits	14

SCHEDULE CHANGES

- Once all student schedule requests are entered into the computer the master schedule is created. Students are then assigned to courses and schedules are distributed before summer break.
- Students having questions or needing to make adjustments to their schedules are expected to talk to a school counselor prior to the start of school.
- Once school is in session, students are expected to follow their schedule until they meet with a counselor.
- Drop/Adds to schedule for a semester or all-year course must be made within the first ten days of the class. Any drops after the tenth day will result in a **Withdraw Fail**, be listed on the student's permanent transcript, but not affect the student's GPA.
- Drop/Adds to the schedule for a quarter-length course must be made within the first five days of the class. Any drops after the fifth day will result in a **Withdraw Fail**, will be listed on the student's permanent transcript, but not affect the student's GPA.
- Seniors who change their schedule in order to have a first or fourth block study hall will be required to attend study hall for the first quarter of the semester.

- Allowable schedule changes:
 - Schedule conflicts/errors
 - Educational reasons, such as credit deficiencies or required courses needed.
 - Changes due to completion of summer school courses
 - Changes that are in the long-range academic best interest of students will be considered with a consultation among student, parent, teacher, counselor and/or principal.

SHS ACADEMIC LETTER

To be eligible to earn a Shelby High School academic letter, students must meet the following criteria:
Freshman & Sophomores: Minimum 3.75 weighted GPA for the school year and a minimum of 10 points from the list of approved activities.

Juniors & Seniors: Minimum 3.75 weighted GPA and a minimum of 20 points from the list of approved activities.

Students must be actively involved members of the activity in good standing and maintain that involvement and standing through the completion of the activity/season. Points are determined at the end of the 3rd marking period.

Involvement as described above in each activity listed below is 5 points. (Involvement in one or more athletic teams/cheerleading squads is 5 points total for each school year). Approved activities are:

Academic Challenge	FCCLA	Math League	Athletic Team	FFA Student Council
Campus Life	GOLD	Whippet Elite	Choir	Interact
Writing Club	Drama Club	Marching Band	Yearbook	

*Similar Pioneer activities/groups/clubs or other PCTC activities approved by the HS Principal.

*Other involvement in school, civic and/or religious oriented activities/groups/clubs approved by the HS Principal. Examples may include: 4-H CLUB, BOY SCOUTS OF AMERICA, GIRL SCOUTS OF AMERICA, CHURCH YOUTH GROUP

Please note: the above examples must be approved prior to the deadline date and must include a statement of participation signed by your club advisor.

COLLEGE VISITS

We believe that visiting campuses is a vital part of the college selection process, and we encourage students to visit colleges in which they are interested. Many colleges offer visitation days on Saturdays or visits can be made during the week.

ATHLETIC ELIGIBILITY

Those students participating in athletics (including cheerleading) must meet the academic requirements that have been established by the Ohio High School Athletic Association (OHSAA). Students who wish to participate in athletics must earn at least a 1.0 GPA and pass the equivalent of 5 credits each quarter. Students who are enrolled in CCP must check with the principal in order to ensure they are enrolled in enough classes to meet the 5 credit requirement. In order to protect eligibility, we encourage students who intend to participate in athletics to sign up for four classes each semester. It is the responsibility of the student athlete to maintain eligibility.

There are many other rules and regulations that have been established by OHSAA regarding student eligibility. Parents and students who wish to be involved in athletics must attend a yearly informational meeting. The agenda for this meeting is established by OHSAA and is a requirement of participation. More information on athletics can be found at the OHSAA website at www.ohsaa.org.

OHIO HIGH SCHOOL HONORS DIPLOMA

Criterion	Ohio Diploma	Academic Honors Diploma	Career Tech Honors Diploma
Math	4 credits (must include Alg 2 or equiv)	4 credits, Alg 1, Geom, Alg 2 (or equiv) & one other high level course or 4 course sequence that includes equivalent or higher content	4 credits, Alg 1, Geom, Alg 2 (or equiv) & one other high level course or 4 course sequence that includes equivalent or higher content
Science	4 units, including two units of advanced science ²	4 units, including two units of advanced science ²	4 units, including two units of advanced science ²
Social Studies	3 credits	4 credits	4 credits
World Languages	N/A	3 credits of one world language or no less than two credits of each of two world languages	2 credits of one world language
Fine Arts	2 semesters	1 credit	N/A
Electives	5 credits (Ohio) 6 credits (Shelby)	N/A	4 credits of Career-Technical minimum ³
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/WorkKeys^{1,8}	N/A	27 ACT/1280 SAT	27 ACT/1280 SAT ⁸ /WorkKeys (6 Reading for Information & 6 Applied Mathematics) ⁷
Field Experience	N/A	N/A	Complete a field experience & document the experience in a portfolio specific to the student's area of focus ⁵
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶
Additional Assessments	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent ⁷

Criterion	STEM Honors Diploma	Art Honors Diploma (includes dance, drama/theater, music & visual art	Social Science & Civic Engagement Honors Diploma
Math	5 credits, Alg 1, Geom, Alg 2 (or equiv) & one other high level course or 4 course sequence that includes equivalent or higher content ⁴	4 credits, Alg 1, Geom, Alg 2 (or equiv) & one other high level course or 4 course sequence that includes equivalent or higher content	4 credits, Alg 1, Geom, Alg 2 (or equiv) & one other high level course or 4 course sequence that includes equivalent or higher content
Science	5 units, including two units of advanced science ²	3 units, including two units of advanced science ²	3 units, including two units of advanced science ²
Social Studies	3 credits	3 credits	5 credits
World Languages	3 credits of one world language or no less than two credits of each of two world languages	3 credits of one world language or no less than two credits of each of two world languages	3 credits of one world language or no less than two credits of each of two world languages
Fine Arts	1 credit	4 credits	1 credit
Electives	2 credits with a focus in STEM courses	2 credits with a focus in fine arts courses	3 credits with a focus in social sciences and/or civics courses
GPA	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/ WorkKeys^{1,8}	27 ACT/1280 SAT	27 ACT/1280 SAT	27 ACT/1280 SAT
Field Experience	Complete a field experience & document the experience in a portfolio specific to the student's area of focus ⁵	Complete a field experience & document the experience in a portfolio specific to the student's area of focus ⁵	Complete a field experience & document the experience in a portfolio specific to the student's area of focus ⁵
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁶
Additional Assessments	N/A	N/A	N/A

- 1) Writing sections of either standardized test should not be included in the calculation of this score. The Locating Information test is not included in the calculation of the WorkKeys score.
- 2) Advanced science refers to courses that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy).
- 3) Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.
- 4) The fifth mathematics and science credit for the STEM honors diploma may be fulfilled with a single course.
- 5) Field Experience refers to experiential learning in either an internship or apprenticeship. Students will document their experiences by describing their understanding in a portfolio.
- 6) The student portfolio is a collection of experiential learning and competencies based on the student's field experiences. Students will engage with professionals or scholars in the field while developing their own portfolio or ePortfolio of original work that documents their technical, critical and creative skills representative of their honors focus; students' work must be reviewed and evaluated by scholars or professionals within the field/area of study in which the students' work is focused, and the scholars or professionals must be external to the district staff; students will give a presentation to showcase the work and provide an analysis of it to the school and local community. If the student does not complete a field experience, the portfolio can be based on a collection of work related to the student's honors diploma area of focus.
- 7) Students must score a minimum of a 6 on the Math WorkKeys Assessment and a minimum of 6 on the Reading WorkKeys Assessment in order to meet the WorkKeys score requirement. The WorkKeys option applies only to the Career Tech Honors Diploma.
- 8) These scores are based on the 2016 ACT and SAT assessments. ODE will publish a concordance document outlining equivalent scores for past and future tests that differ from the 2016 versions.

Honors Diploma Notes:

For the Academic and Career Tech Honors Diplomas, students who entered the ninth grade between July 1, 2013 and June 30, 2017 may choose to pursue the diploma by meeting the requirements of these criteria or the previous criteria. Students entering the ninth grade on or after July 1, 2017 must meet these criteria.

Completion of any advanced standing program, which includes Advanced Placement, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

Students must meet all but one of the criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met.

Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including: ½ unit physical education (unless exempted), ½ unit health, ½ unit in American history, ½ unit in government, and 4 units in English. The class of 2021 and beyond will need to have ½ unit in world history and civilizations as well.

GUIDANCE DEPARTMENT

FOUR YEAR EDUCATIONAL PLAN

Attention: This educational plan gives you and your parents an opportunity to focus on the many courses that are available to you. This is a FLEXIBLE plan and MAY be changed from year to year.

NAME:

CAREER GOAL:

DATE:

GRADUATION DATE:

Type of Diploma Being Pursued: • Regular • Honors (Please Check One)

9 th Grade		10 th Grade	
COURSE	CREDIT	COURSE	CREDIT
English 9	1.0	American History	1.0
Math	1.0	Math	1.0
Physical Science	1.0	Biology	1.0
Modern World History	1.0	Physical Education*	.25
Wellness	.25	English 10	1.0
TOTAL		TOTAL	
11 th Grade		12 th Grade	
COURSE	CREDIT	COURSE	CREDIT
English 11	1.0	English 12	1.0
Math	1.0	Government/Economics	1.0
Chemistry	1.0	Math (Alg II or beyond)	1.0
TOTAL		TOTAL	

*A student may waive the physical education requirement for graduation through participation in **two** seasons of sports, cheerleading or marching band.

SHS PHYSICAL EDUCATION GRADUATION REQUIREMENT WAIVER APPLICATION

(available at: www.shelbyk12.org/shs/guidance)

In January of 2007 the Ohio Legislature passed Senate Bill 311 Provision (L). Sec. 3313.603 (L) reads:

Notwithstanding anything to the contrary in this section, the board of education of each school district and the governing authority of each chartered nonpublic school may adopt a policy to excuse from the high school physical education requirement each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons. If the board or authority adopts such a policy, the board or authority shall not require the student to complete any physical education course as a condition to graduate. However, the student shall be required to complete one-half unit, consisting of at least sixty hours of instruction, in another course of study.

A Shelby High School student **may** waive the PE graduation requirement by participating in two of any combination of the following activities:

- A complete season as an athlete of any Shelby High School OHSAA recognized sport.
- A complete season as a Shelby High School cheerleader.
- A complete season as a member of the Shelby Whippet Marching Band.

**The student must complete two complete seasons for the waiver.
Completion of one season does not partially waive the PE requirement.**

The waiver provides no actual credits. Students must complete an additional half-credit to meet the 21-credit graduation requirement. The PE waiver may not be transferable to another school district.

Student Name _____

Expected Graduation Year _____

Sport/Activity _____ Year _____

Office Use. Do not complete. Verification _____ Date _____

Sport/Activity _____ Year _____

Office Use. Do not complete. Verification _____ Date _____

Student Signature _____ Date _____

Parent Signature _____ Date _____

**Return to HS Athletic Director or HS Band Director
AFTER completion of both activities.**

2020-21 SHELBY HIGH SCHOOL ACADEMIC LETTER APPLICATION

Name: _____ Grade: _____

If you are a:	Your GPA must be:	Points needed:
Freshman/Sophomore	3.75	10
Junior/Senior	3.75	20

Involvement in any of the clubs below: 5 points

Academic Challenge	FCCLA	Math League
Athletic Team	FFA	Student Council
Campus Life	GOLD	Writing Club
Choir	Interact	Yearbook
Drama Club	Marching Band	

*Similar Pioneer activities/groups/clubs or other PCTC activities approved by the HS Principal.

*Other involvement in school, civic and/or religious oriented activities/groups/clubs approved by the HS Principal.

Example: 4-H CLUB, BOY SCOUTS OF AMERICA, GIRL SCOUTS OF AMERICA, CHURCH YOUTH GROUP.

Please note: the above examples must be approved prior to the deadline date and must include a statement of participation signed by your club advisor.

LIST THE CLUB OR ACTIVITY YOU HAVE PARTICIPATED IN BELOW:

Name of Club	Advisor Signature	Points
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Applications are due March 30, 2021 by 3:00 p.m. in the Guidance Office.
We will NOT accept late applications! Thank you for your help in this matter!

SCHEDULING COURSES

In the year immediately following graduation from high school, our goal is for Shelby High School students is to do one of the following:

- Be enrolled in a 2 year college, a 4 year college or a technical school.
- Be employed in a field of choice.
- Be enlisted in a branch of the United States Military.

In order to meet this goal we understand that we need to provide a number of courses that meet the needs of all three groups. We are asking students at the end of their sophomore year to choose a career pathway- STEM, College or Core.

- STEM students plan on majoring in college in a Science, Technology, Engineering or Math field. The courses they take in their junior and senior years should be more rigorous and may be taught at a college freshmen level.
- The College pathway is for students who plan on attending a 2 year or a 4 year college and major in a non-STEM field (business, education, etc). The goal is for these students to be prepared enough so they do not have to take a remedial math or English course in college.
- The Core pathway is for students who plan on entering the workforce or enlisting in a branch of the United States Military. We especially want these students to have the writing and math skills to be able to advance quickly from an entry level job or to score high enough on the ASVAB test to enter the military at a higher rank or skill level.

STUDENTS WILL HAVE TO MARK ON THEIR SCHEDULE REQUEST FORM WHICH PATHWAY THEY ARE FOLLOWING

Example of Courses for Each Pathway

	Core	College	STEM
Math	<ul style="list-style-type: none"> • Trans Math (if needed) • Algebra 2 • Prob & Stats 	<ul style="list-style-type: none"> • Algebra 2 • Prob & Stats 	<ul style="list-style-type: none"> • Algebra 2 Trig • Pre Calc • Calc • AP Calc
Science	<ul style="list-style-type: none"> • Trans Chemistry or Chemistry • Field Biology • Intro to Anat & Phys 	<ul style="list-style-type: none"> • Chemistry • Physics • Intro to Anat & Phys • Field Biology 	<ul style="list-style-type: none"> • Advanced Biology • AP Biology • Anat & Phys • Physics
English	<ul style="list-style-type: none"> • English 11 Core • English 12 Core 	<ul style="list-style-type: none"> • English 11 • English 12 • AP Lang • AP Lit 	<ul style="list-style-type: none"> • English 11 • English 12 • AP Lang • AP Lit
Social Studies	<ul style="list-style-type: none"> • Sociology • Psychology • American Government 	<ul style="list-style-type: none"> • Sociology • Psychology • American Govt • AP Government • AP US History 	<ul style="list-style-type: none"> • Sociology • Psychology • American Govt • AP US History • AP Govt

Fee amounts listed are subject to change for the school year 2021-2022.

AGRICULTURE EDUCATION COURSES

Agriculture Education establishes the basic foundation of agriculture tasks necessary for the application of a career in the agricultural industry (not specifically farming).

There is a yearly FFA dues payment of \$13 per student.

3820 AGRICULTURE, FOOD & NATURAL RESOURCES (Formerly AG 1- 1ST sem) 1

CREDIT

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

3825 ANIMAL AND PLANT SCIENCE (Formerly Ag 1, 2nd sem) 1 CREDIT

PREREQUISITE: AFNR

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

4820 MECHANICAL PRINCIPLES (Formerly AG 2- 1ST sem) 1 CREDIT

PREREQUISITE: AFNR

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

4825 LIVESTOCK SELECTION, NUTRITION & MGMT. (Formerly Ag 2, 2nd sem) 1 CREDIT

PREREQUISITE: AFNR

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

5820 BUSINESS MGMT FOR AG & ENVIRONMENTAL SYSTEMS (Formerly AG 3- 1ST sem) 1 CREDIT

PREREQUISITE: AFNR

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

5825 ANIMAL HEALTH (Formerly Ag 3, 2nd sem)

1 CREDIT

PREREQUISITE: AFNR

Students will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens, and classifying types of diseases and disorders. Students will perform animal health assessments and compare to standard characteristics. Throughout the course, students will utilize principles of technology to manage information systems, and research issues affecting the industry.

6820 ENVIRONMENTAL SCI FOR AG & NATURAL RESOURCES (Formerly Ag 4- 1st sem)

PREREQUISITE: AFNR

1

CREDIT

Students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

6825 AGRICULTURAL & ENVIRONMENTAL SYSTEMS CAPSTONE (Formerly Ag 4- 2nd sem)

PREREQUISITE: AFNR

1 CREDIT

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

ART COURSES**3610 INTRODUCTION TO ART**

Fee \$40

1 CREDIT

Intro to Art serves the aim of personal development by providing individuals with the opportunity to acquire and develop their powers of expression by visual means. The development of the students' imagination will be the basic concept. Discovering ideas by experimenting with various materials. Studio production activities will be stressed, with emphasis on fundamental 2D & 3D design through introductory drawing, painting, ceramics and sculpture.

3615 CONTEMPORARY CRAFTS

½ CREDIT

PREREQUISITE: INTRODUCTION TO ART

The focus of this course will be on craft oriented skills and less on fine art skills. Contemporary Crafts will have a focus on art across the globe. Some projects could include paper quilling, weaving, ceramics, book art, jewelry making, glass fusing, etc.

TWO-DIMENSIONAL ART COURSES:**4610 2D DESIGN**

Fee \$40

1 CREDIT

PREREQUISITE: INTRO TO ART

2D DESIGN is a personal development course with emphasis on technique and craftsmanship. A wider range of 2D materials and subject matter will be incorporated into the program. 2D DESIGN will continue to build on the basic elements and principles of design. The students will be exposed to Art History but, again, studio activities will remain a primary focus, with emphasis on drawing, painting, graphic design & printmaking.

5610 2D STUDIO

Fee \$40

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 2D DESIGN

Students have developed their interest in art and are working toward higher level skill development. Personal development and expressions will be the basic goal of 2D STUDIO. Concepts of design will still be studied but the students will be allowed more freedom in the selection of 2D media, artistic approach and subject matter. Studio activities will be the basis of the class with craftsmanship of utmost importance. Emphasis will be on the individual's 2D focus and self-expression.

6610 ADVANCED 2D

Fee \$40

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 2D STUDIO

Students are highly motivated and working toward high level skill development and expression or possibly a career in art. This course will build upon previous individual experience with emphasis on continued skill development and exploration with their chosen focus.

THREE-DIMENSIONAL ART COURSES:**4620 3D DESIGN**

Fee \$40

1 CREDIT

PREREQUISITE: INTRO TO ART

3D DESIGN is a personal development course with emphasis on technique and craftsmanship. A wider range of 3D materials and subject matter will be incorporated into the program. 3D DESIGN will continue to build on the basic elements and principles of design. The students will be exposed to Art History but, again, studio activities will remain a primary focus, with emphasis on sculpture techniques, ceramics, metal, wire & various processes such as carving and modeling.

5620 3D STUDIO

Fee \$40

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 3D DESIGN

Students have developed their interest in art and are working toward higher level skill development. Personal development and expressions will be the basic goal of 3D STUDIO. Concepts of design will still be studied but the students will be allowed more freedom in the selection of 3D media, artistic approach and subject matter. Studio activities will be the basis of the class with craftsmanship of utmost importance. Emphasis will be on the individual's 3D focus and self-expression.

6620 ADVANCED 3D

Fee \$40

1 CREDIT

PREREQUISITE: GRADE OF B OR BETTER IN 3D STUDIO

Students are highly motivated and working toward high level skill development and expression or possibly a career in art. This course will build upon previous individual experience with emphasis on continued skill development and exploration with their chosen focus.

COMPUTER COURSES**Computer Gaming (Zulama) Software****2200 EVOLUTION OF GAMES**

½ CREDIT/1 QTR

This course gives students a chance to explore ancient cultures and find out how their games were designed using available technology and resources. Students will prototype and play board and digital games, and they'll get hands-on experience creating their own original game. The goal of the class is to articulate how similar game design mechanics are found in both ancient and modern games

2210 GAMEMAKER PROGRAMMING

1 CREDIT

PREREQUISITE: EVOLUTION OF GAMES

In GameMaker programming, students learn concepts taught in a college-level “Programming 101” course and work in teams to build two dimensional (2D) games. Using GameMaker Studio, they develop core computing knowledge that can be transferred to other programming languages like Python, Java and C++. When finished, students will have games that can be played with friends and added to a digital portfolio.

2230 SCREENWRITING

½ CREDIT/1 QTR

PREREQUISITE: EVOLUTION OF GAMES

Why do we cry at movies? Or cheer? Why do thrillers put us on the edge of our seats?

It’s all thanks to storytelling. Our Screenwriting course helps students understand, critique, and write dramatic stories for modern media like movies, games, and television. They’ll craft original stories and develop skills in creative writing, collaborative storytelling, awareness, provisional acting, and creative self-confidence

2240 MOBILE GAME DESIGN

½ CREDIT/1 QTR

PREREQUISITE: EVOLUTION OF GAMES

In this course, students use professional game design techniques to create playable mobile games that they can add to their game design portfolio. Using GameSalad, students will learn the fundamentals of game balance, apply competition and playfulness, demonstrate a working knowledge of triangularity, and debug using iterative game design.

2250 3D Modeling

1 CREDIT

PREREQUISITE: EVOLUTION OF GAMES

Interacting with digital, three-dimensional art is a regular part of life today – in movies, video games, architecture, commercials, and animation. In 3D Modeling, students will learn 3D modeling techniques that professionals use. They’ll use 3ds Max to manipulate and sculpt pure imagination into substantial digital art, resulting in a portfolio of original projects that they can use when applying for an internship, higher education, or a job.

COMPUTER SCIENCE COURSES**3010 INTRODUCTION TO COMPUTER SCIENCE**

1 CREDIT

PREREQUISITE- ALGEBRA 1

An interactive introductory course for students brand new to programming that teaches the foundations of computer science using the Python language. Not only will this course prepare students for AP Computer Science A and AP Computer Science Principles, but it will teach students how to think computationally and solve complex problems, skills that are important for every student.

3015 AP COMPUTER SCIENCE PRINCIPLES

1 CREDIT

PREREQUISITE- ALGEBRA 1, GRD 10.11.12

AP Computer Science Principles is developed in partnership with the University of Texas at Austin’s UTeach Institute that focuses on the 5 “Big Ideas” in computer science using project-based approaches.

The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will

develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving.

- Engaging Students New to Computer Science: The course is designed to engage students from diverse backgrounds and those new to computing – and excite students with a curriculum that focuses on the core ideas that shape the landscape of computer science and its impact on our society.
- Project-Based and Collaborative Learning Approach: Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. These culminate in a capstone Performance Task project where students can demonstrate what they've learned - to become creators, instead of merely consumers, of the technology all around them.

This course will prepare students for the end-of-course AP Exam.

ENGLISH COURSES

3112 ENGLISH 9

1 CREDIT/ ALL YEAR

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning's Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education for English Language Arts (ELA) 1. This college preparatory course provides the student with intensive instruction and practice in the skill of written expression. Students are expected to demonstrate an ability to write in a clear, concise, and persuasive manner. They are introduced to the study of selected novels, plays, short stories, poetry and nonfiction. Throughout the course vocabulary, word origins, syntax and grammar are stressed. Students are provided with ample opportunity for oral discussions. Students must complete a research project using the MLA format to receive course credit.

3114 ENGLISH 9 HONORS

1 CREDIT/ ALL YEAR

PREREQUISITE: RECOMMENDATION OF MOST RECENT ENG TEACHER

This course meets all of the criteria of English 1 and is intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take Honors English 1 should have high achievement test scores and exhibit excellent proficiencies in writing and reading skills. The aim of this honors course is to help students develop an in-depth understanding of the various forms of literature while strengthening their writing skills. The Honors English 1 course serves as the first installment of the foundations for the AP language and literature courses.

4112 ENGLISH 10

1 CREDIT/ ALL YEAR

PREREQUISITE: ENGLISH 9

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning's Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education for English Language Arts (ELA) 2. This course provides students with instruction and practice to help them improve their reading and writing skills and vocabulary. Instruction is focused on effective paragraph development and use of transitions and organizational techniques in developing essays. Students will be exposed to literary selections from the various genres: novel, drama, short story, poetry, film and nonfiction. These literary experiences will enrich students and give them a solid basis from which to discuss and write meaningful papers. Students must complete a research project using the MLA format to receive course credit.

4114 ENGLISH 10 HONORS

1 CREDIT

PREREQUISITE: RECOMMENDATION OF MOST RECENT ENG TEACHER

This course meets all of the criteria of English II and is intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take Honors English II should have high achievement test scores and exhibit excellent proficiencies in writing and reading skills. The aim of this honors course is to help students develop an in-depth understanding of the various forms of literature while strengthening their writing skills. The Honors English II course serves as the second installment of the foundations for the AP language and literature courses.

5110 ENGLISH 11 CORE

1 CREDIT

PREREQUISITE: ENGLISH 10

English 11 Core consists of a review of the disciplines of grammar and rhetoric for the purpose of achieving more effective communications. Concentration in literature focuses on American writers from the Colonial period to the present day. This course is required and provides a well-rounded program of American literature, vocabulary study, and intensive study in the writing process. A variety of readings expose the student to the many different types of literature, so that the student can learn to identify, to evaluate, and to distinguish good reading material. Through practice, the student learns the techniques for effective writing expression. Vocabulary study also encourages improvement in written communication. This course is designed for students planning on enlisting in the military or entering the workforce after high school.

5112 ENGLISH 11 COLLEGE PREP

1 CREDIT

PREREQUISITE: ENGLISH 10

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning's Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education. This course provides students with instruction and practice to help them evaluate the ideas expressed in the material read, to relate the universality of these ideas to their own world, and to evaluate and present material in a logical, organized manner both in written and oral forms. This course is designed for students who plan to attend college after high school.

6110 ENGLISH 12 CORE

1 CREDIT

PREREQUISITE: ENGLISH 11 OR ENGLISH 11 CORE

English 12 Core consists of a review of the disciplines of grammar and rhetoric for the purpose of achieving more effective communications. Concentration in literature focuses on American writers from the Colonial period to the present day. This course is required and provides a well-rounded program of American literature, vocabulary study, and intensive study in the writing process. A variety of readings expose the student to the many different types of literature, so that the student can learn to identify, to evaluate, and to distinguish good reading material. Through practice, the student learns the techniques for effective writing expression. Vocabulary study also encourages improvement in written communication. This course is designed for students who plan to enlist in the military or go directly into employment.

6112 ENGLISH 12 COLLEGE PREP

1 CREDIT

PREREQUISITE: ENGLISH 11 COLLEGE PREP

This course may be used to meet both the Ohio Department of Education and Shelby Board of Education's requirement for graduation as one of the four English credits required toward graduation. It is based on Ohio's Learning's Standards for English Language Arts and Ohio's Model Curriculum as adopted by the Ohio Department of Education. This course is designed as a bridge between high school and post-secondary opportunities. All course content is aligned with our philosophy that students need to be intelligent, productive members of society who can read, speak, and write articulately about modern issues and complex concepts. Students must complete a research project to receive course credit.

7114 AP ENGLISH LITERATURE & COMPOSITION \$20 FEE 1 CREDIT/FULL YEAR

PREREQUISITE: AP English Language & Composition

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. This course culminates with an Advanced Placement examination in May. This course can be taken in place of English 4 credit.

7115 AP ENGLISH LANGUAGE & COMPOSITION \$20 FEE 1 CREDIT/FULL YEAR

PREREQUISITE: RECOMMENDATION OF MOST RECENT ENGLISH TEACHER

The AP English Language and Composition course aligns to 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 texts, including graphic images as forms of text, from many disciplines and historical periods. This course culminates with an Advanced Placement examination in May. This course can be taken in place of either English 3 or English 4 credit.

5116 FILM AS LITERATURE ½ CREDIT/1 QTR

PREREQUISITE: GRADES 10,11,12

This course is a study of film through genre, cinematic elements, critical theories, and values. Students will use critical thinking skills to apply different lenses to the films chosen and create reviews that allow them to discuss, practice, and master both the criteria and critical thinking skills.

5117 PODCASTING ½ CREDIT

PREREQUISITE: GRADES 10,11,12

Students will learn the components of radio and podcast production including interviewing, story development, scriptwriting, interview techniques, remote recording and digital audio recording, editing of sound, mixing, and final production for broadcast. They will use these new skill sets to create their own podcasting series that will act as an anthology of the course.

5118 CREATIVE WRITING ½ CREDIT/1 QTR

PREREQUISITE: GRADES 10,11,12

Creative writing introduces students to writing in different genres while focusing on specific literary elements that will be highlighted in each piece. This class functions in a workshop design that is empowered by the writing pieces produced by the individual students. So in addition to writing in the different genres, students will also provide focused feedback for one another on those pieces of writing and finally reflect upon their growth as a writer.

5170 YEARBOOK I 1 CREDIT (FULL YEAR)

PREREQUISITE: 10, 11, 12, "B" OR ABOVE IN ENGLISH 9

Students study the principles of layout, design, copy writing and caption composition as practiced in yearbook journalism. Students plan, design layout, photograph and write copy for the yearbook. Financing the book by selling subscriptions and advertising is discussed and performed by the students. Specific Yearbook objectives are to:

1. develop organization and teamwork within the class
2. meet deadlines
3. write caption copy effectively
4. write thorough and interesting copy
5. use interviewing skills
6. make money through advertisements
7. take and crop effective pictures
8. practice proper layout and design techniques
9. successfully market a product
10. use desktop publishing

Students signing up for Yearbook I and II should be aware that they must be available for summer activities, especially for the selling of ads and the taking of pictures, prior to the start of the school year. They also must be available in the summer after the end of the school year to finish their assigned sections. All prospective students are required to complete an application packet, which is available from the guidance office. Teacher recommendations will also be used to evaluate student applications. Since there are usually more applicants for this class than available spots, the advisor will select the most qualified applicants and will notify the students of their status in the class as soon as possible.

6170 YEARBOOK II

1 CREDIT/FULL YEAR

PREREQUISITE: 11, 12, YEARBOOK I, "B" OR ABOVE IN ENGLISH

Yearbook II students share their expertise and experience with Yearbook I students. They supervise the less experienced students with the main objective of producing an excellent Yearbook. Specific objectives are the same as Yearbook I.

Both Yearbook I and Yearbook II students must be available for summer activities, especially for the selling of ads and the taking of pictures, prior to the start of the school year. They also must be available in the summer after the end of the school year to finish their assigned sections.

These students will be evaluated by the yearbook advisor based upon work completed in Yearbook I and a written essay assigned by the yearbook advisor. Students who are not ready or willing to accept leadership roles will not be accepted into Yearbook II.

7170 YEARBOOK III

1 CREDIT/FULL YEAR

PREREQUISITE: 12, YEARBOOK II, "B" OR ABOVE IN ENGLISH

Yearbook III students share their expertise and experience with Yearbook I and II students. They supervise the less experienced students with the main objective of producing an excellent Yearbook. Specific objectives are the same as Yearbook I.

Yearbook III students must especially be available for summer activities, especially for the selling of ads and the taking of pictures, prior to the start of the school year. They also must be available in the summer after the end of the school year to finish their assigned sections.

These students will be evaluated by the yearbook advisor based upon work completed in Yearbook II and a written essay assigned by the yearbook advisor. Students who are not ready or willing to accept leadership roles will not be accepted into Yearbook III.

FAMILY & CONSUMER SCIENCES COURSES

There is an additional yearly FCCLA dues payment of \$15 per student.

7800 PRINCIPLES OF FOOD

Fee \$20

½ CREDIT/1 QTR

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

7810 CULINARY FUNDAMENTALS Fee \$20 ½ CREDIT/1 QTR
PREREQUISITE: Principles of Food

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.

7820 GLOBAL FOODS Fee \$20 ½ CREDIT/1 QTR
PREREQUISITE: Culinary Fundamentals

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

7850 CHILD DEVELOPMENT Fee \$15 ½ CREDIT/1 QTR

In this course, students will analyze human growth and development throughout the lifespan. An emphasis will be placed on physical, cognitive, social and emotional growth and development. Additional topics will include human characteristics and traits, genetic defects, parenting styles and responsibilities and cultural differences within a family unit and community.

7880 CAREER AND COLLEGE READINESS Fee \$10 ½ CREDIT/1 QTR

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

7890 TEXTILE DESIGN, CONSTRUCTION AND MAINTENANCE Fee \$20 ½ CREDIT/1 QTR

In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textiles products, including home interior accessories and garments.

7900 PERSONAL FINANCIAL MANAGEMENT Fee \$10 ½ CREDIT/1 QTR
Grades 10,11,12

In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing and risk management.

7910 LEADERSHIP AND COMMUNITY ENGAGEMENT Fee \$10 ½ CREDIT/1 QTR

In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on in-service learning, leadership training and teambuilding opportunities. Additional topics will include public policy issues, community and global engagement.

FOREIGN LANGUAGE COURSES

Students intending to begin the first credit of a foreign language should have at least a “B” in English or an “A” in 8th grade English or permission from the counselor or instructor.

3140 SPANISH 1

Workbook \$22

1 CREDIT

This is an introduction to the Spanish language with beginning emphasis on an aural oral approach (hearing and speaking) and then moving into reading and writing. Basic grammar is learned in conversation and reinforced in notes and homework practice. Dialogues of everyday situations are used for practice and response. Included are many structures along with basic verb forms and tenses.

4140 SPANISH 2

Workbook \$22

1 CREDIT

PREREQUISITE: SPAN 1

Spanish 2 is a continuation of Spanish 1, using the same textbook series. Emphasis will continue in grammar, vocabulary building, speaking and listening. More reading and self-expressive writing will be introduced.

5140 SPANISH 3

Workbook \$22

1 CREDIT

PREREQUISITE: SPAN 2

This is a weighted course. In Spanish 3 there is much more speaking. We use the language to simulate real-life situations, as well as creative skits that help reinforce culture, grammar, and vocabulary building. Special individual projects that require good dictionary and technological skills help students improve their reading comprehension and writing composition skills. The textbook series remains the same.

6140 SPANISH 4

Workbook \$22

1 CREDIT

PREREQUISITE: SPAN 3

This is a weighted course. Spanish 4 reviews verb tenses and grammatical structures learned in Spanish 2 and Spanish 3 and applies them to writing and conversation. Spanish and Latin American literature is included. Whenever possible, exchange students from Spanish speaking countries are enrolled in the class to provide authentic language and cultural sharing.

3400 AMERICAN SIGN LANGUAGE 1 (3410 ASL 2, 3420 ASL 3)

1 CREDIT

(FULL YEAR) EACH

PREREQUISITE: Grade 10 or higher (preference given to 10th and 11th graders, as 2 years the program is desired). Application required. Minimum ‘B’ in previous year ASL, minimum ‘C’ average in HS English courses.

Shelby High School is able to deliver American Sign Language through The Ohio School for the Deaf. American Sign Language (ASL) classes provide a variety of resources designed to support the goals of the class. Learning any language requires time and practice. You will enjoy building your knowledge of ASL to be able to communicate with a friend or family member. Students learn through communication activities including group practice, live lessons, and lesson dialogues. A live teacher delivers instruction weekly through video conferencing, and strict deadlines for assignments are weekly. Students are required to video record themselves while signing.

HEALTH AND PHYSICAL EDUCATION COURSES

4025 FITNESS & WELLNESS

Fee \$4.00

1 CREDIT/1 SEMESTER

This course is for students who will not be using the Physical Education Waiver. The class is one semester in length and will cover both Phys Ed and Health curriculums so students will meet both their health and physical education requirements for graduation. Students will need to take this course one time either their freshman or sophomore year.

4321 HEALTH

Fee \$2.00

½ CREDIT/1 QTR

THIS COURSE IS FOR STUDENTS WHO WILL BE USING THE PHYSICAL EDUCATION WAIVER

The World Health Organization defines health as "a state of complete physical, mental, and social wellbeing not merely the absence of disease or infirmity." In the face of this definition, it is the responsibility of this course to offer suggestions on how to maintain good health and to couple this knowledge with a desire to achieve the highest degree of physical and mental fitness.

To accomplish the above mentioned goal, the following objectives are sought: to continue to develop a positive self concept that will enhance good decision making skills, and to provide a variety of meaningful experiences which will influence the acquisition of knowledge and the development of attitudes and skills needed to cope successfully with the problems in our changing world.

INTRODUCTION TO EDUCATION & PROFESSIONS

5441 FOUNDATIONS OF EDUCATION AND TRAINING

1 CREDIT

PREREQUISITE: GRADES 11 or 12

In this first course in the career field, students will examine the goals of education and training as well as environments in which education and training are delivered. They will identify learners' and stakeholders' roles, rights and responsibilities in educational systems; assess legal and ethical issues related to education; and determine careers of interest in education and training. Employability skills and state requirements for becoming an educator will also be addressed.

5451 EDUCATION PRINCIPLES

1 CREDIT

PREREQUISITE: GRADES 11 or 12

In the first course in the pathway, students will research the historical perspectives and theories of education used in the forming of their own personal educational philosophy. Students will assess legal, ethical and organizational issues. Additionally, students will assess developmental appropriate practices and identify challenging issues associated with teaching children with diverse needs. Career planning, professional guidelines and ethical practices will also be emphasized.

MATHEMATICS COURSES

3215 APPLIED ALGEBRA 1

1 CREDIT/ALL YEAR

This purpose of this course is to provide the foundation for Algebra 1 and to develop the algebra skills needed to solve mathematical problems. Students in this course will also be enrolled in the Math Lab course to further improve their math skills. This course does fulfill one of the four math credits needed

to graduate. Students will not take the Algebra 1 end of course exam in this course. After completing Applied Algebra 1, students will move on to 3220 Algebra 1 the following year.

3216 MATH LAB

1 CREDIT/ALL YEAR

Students in Applied Algebra 1 will also be enrolled in Math Lab to further practice their math skills. This course is a math elective and does not fulfill one of the four math credits needed to graduate.

3220 ALGEBRA 1

1 CREDIT/ALL YEAR

Algebra is the branch of mathematics that investigates the relationships of numbers using symbols (usually letters of the alphabet) to represent numbers. It is essentially a generalization of the process of calculation. This course will develop the students' understanding of the basic concepts of elementary algebra, and help them acquire the important manipulative algebraic skills. Some of the course topics include: solving graphing and writing linear equations and inequalities, exponents, polynomials, factoring, quadratic equations. It is strongly recommended that students have a Ti-84 calculator for this class.

4230 GEOMETRY

1 CREDIT/ALL YEAR

PREREQUISITE: ALGEBRA 1

Geometry is the branch of mathematics that is made up of the study of points, lines, and planes. It also includes finding lengths, areas, and volumes of geometric figures. Some of the topics of this course are: lines and angles on a plane and in space, congruent triangles, properties of triangles and quadrilaterals, constructions, similarity, right triangles and trigonometry.

5220 ALGEBRA 2

1 CREDIT/1 SEMESTER

PREREQUISITE: ALGEBRA 1 & GEOMETRY

This course is an elaboration of Algebra 1 and an introduction to higher level mathematics. Topics include linear equations and functions, linear systems, matrices, quadratic functions, an introduction to the complex number system, polynomial functions, exponential and logarithmic functions, rational and radical functions, probability, basic trigonometry, and an introduction to series and sequences. It is highly recommended that students have their own graphing calculator (TI 83 or 84).

6220 ALGEBRA 2 TRIG

2 CREDITS/ALL YEAR

PREREQUISITE: ALG 1 & GEOM WITH A HIGH LEVEL OF SUCCESS IN BOTH

This course is an in depth study of Algebra 2 topics, an introduction to advanced mathematical concepts, and an exploration of trigonometry concepts. This course is recommended for college bound students and is a prerequisite to higher mathematics courses at SHS. Topics include equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities and equations, applications of trigonometry, analytic geometry, series, sequences, and probability. It is highly recommended that students have their own graphing calculator (TI 83 or 84). This is a weighted course.

6230 PROBABILITY & STATISTICS

1 CREDIT

PREREQUISITE: ALGEBRA 2

This course should be selected by anyone who enjoys studying mathematics. The first half of Probability and Statistics is devoted to the study of combinatorics and probability. Combinatorics is the mathematical term for the study of techniques that can be used to answer the question - "How many ways can this be done?" The second half of Probability and Statistics is split between descriptive statistics, or the collection and organization of data; and inferential statistics, which involves making decisions based on the data.

6250 TRANSITION MATH

1 CREDIT

PREREQUISITE: ALGEBRA 1, GEOMETRY

This course does not meet NCAA eligibility requirements.

This is designed to reinforce skills from Algebra 1 and Geometry that will be necessary for success in Algebra 2. However, topics will also be included from a conventional Algebra 2 course, including linear equations, functions, systems of equations, quadratic equations and inequalities, rational expressions and equations, among others. Completion of this course will allow students to progress to Algebra 2. It is highly recommended that students have their own graphing calculator (TI 83 or 84).

6260 TRIGONOMETRY

1 CREDIT

PREREQUISITE: ALGEBRA 2

This is a college pathway class only! This class will be an advanced class studying trigonometry! It is a perfect class for a college non-math majoring student to take. In Trigonometry a student will study basic right triangle trig, trig identities, law of sines, law of cosines, and trig form of a complex number. Trig is recommended for seniors headed to college that are NOT on the STEM pathway! A student may further their high school math studies in either Statistics or honors Precalculus with an 'A' and/or with prior teacher permission after completion of this course!

7240 PRE-CALCULUS

1 CREDIT

PREREQUISITE: ALL YEAR HONORS ALGEBRA 2/TRIGONOMETRY OR NON-HONORS TRIGONOMETRY AS A JUNIOR WITH THE TEACHER'S RECOMMENDATION.

This is an Honors class! Pre-Calculus should be taken by any student planning on studying a math or science related field in college. The course can be taken by students who completed honors Algebra 2/ Trigonometry from the year before OR non-honors Trigonometry from the college pathway with an 'A' and/or with prior teacher permission. (special note: Students who take non-honors Trigonometry may only END in Pre-Calculus their senior year. They may not move on to Calculus I) The first half of this course will cover pre-calculus topics such as vectors, decomposition of partial fractions, Zeno's Paradox, summation notation, math induction, parametric graphing and polar graphing. The second half of this class is actually college Calculus 1. We will discuss the concepts of limits and derivatives during the second nine weeks. Calculus grades from the second nine weeks will carry over into the actual class of Calculus 1 to complete a CCP grade for MATH 1150 through North Central State College for those who qualify.

7245 CALCULUS I

1 CREDIT

PREREQUISITE: PRE-CALC

This is a Honors/ STEM pathway class only! Honors Pre-Calculus and Algebra 2-Trig must be taken before taking Calculus I. College credit for Math 1150 through NC State College is possible for this course automatically with a 28 math ACT score or a 22 ACT math score with administration/guidance/teacher permission. An 'Accuplacer' test may also be taken through NC State College to qualify for this course. The course will study derivatives, application of derivatives, and basic integration techniques. It is highly encouraged that all students that will not get a college degree within a math or science field in college to take this course as free college credit while in high school as their replacement for their required math class in college.

7250 AP CALCULUS AB

1 CREDIT

PREREQUISITE: CALCULUS I

This is a Honors/ STEM pathway class only! The course will pick up where we left off in Calculus 1 and continue to work through the branch of Calculus called integration. The first nine weeks we will learn integration techniques and applications such as; area, volume, and integration by parts. The second nine weeks will then be used to review and study for all the AP Calculus AB exam in May. This will be an in-depth study of material learned to date. It is highly recommended that any student entering a math or science field take AP Calculus while in high school. Students may take this course

and not take the AP Calculus exam, but they will be graded over the same material as those who take the exam

MUSIC CLASSES

4711 CHOIR

1 CREDIT/ALL YEAR

As co-curricular classes, members of the Symphonic Choir are expected to attend extra rehearsals and performances scheduled outside of the school day. The goal of Symphonic Choir is to attain the highest level of musical understanding and to gain sufficient proficiency in singing, encouraging students to be active participants in musical activities throughout life. Vocal areas covered in both choirs include breathing, note reading, diction and listening skills. Theory, history and a wide variety of musical styles are studied. Membership in all choirs is by audition only.

4730 MUSIC APPRECIATION

Fee \$10

½ CREDIT/1 QTR

Music appreciation will provide an opportunity for those interested in music, to gain a better understanding of the language of music scales, key signatures, notation, ear training and listening skills. History and literature of Western Art Music will also be explored.

4740 POP MUSIC

Fee \$10

½ CREDIT/1 QTR

This is a survey course of “pop” music from its roots in 50’s Rhythm and Blues to its destination in the 21st century. This course is for all students. Learn more about your favorite performers and their music such as Elvis Presley, The Beatles, The Rolling Stones, The Doors, Bruce Springsteen, and anyone else you can or will find in the Rock and Roll Hall of Fame.

4750 MUSIC THEATER

1 CREDIT/SEMESTER

The Music Theatre class is designed to give students a deeper understanding in the world of musical theatre. Class discussions will consist of historical information, composer identification, and description of musicals found online and through additional research materials. “Hands on” sessions will invite professionals from around the area to meet with students, as they receive a better comprehension of each area of Musical Theatre. Field trips may be possible, depending on the time and place of the particular show.

4700 BAND

1 CREDIT /ALL YEAR

PREREQUISITE: 8TH GRADE BAND OR EQUIVALENT THROUGH PRIVATE INSTRUCTION

This is a full year course, no partial credit will be awarded. Credit will only be awarded at the end of the academic year. This co-curricular course exposes students to the expansive realm of instrumental music. Students will learn the fundamentals, appreciation, and history of music through a variety of repertoire, and performances in the marching and concert setting. Participation in band requires attendance to all events and activities both during and outside of the school day. Such events include (but are not limited to) summer rehearsals, band camp, after school rehearsals, football games, parades, concerts, etc.

4755 MUSIC THEORY

½ CREDIT/1 QTR

This is an introductory to the fundamentals of music theory and aural development. Students will learn about the structure, functionality, instrumentation, and analysis of music.

4756 ADVANCED MUSIC THEORY

1 CREDIT

This course expands upon basic music theory with greater focus on counterpoint, voice writing, harmonic analysis, structure and form, and aural training. This course is strongly suggested for those interested in pursuing a career in music.

JAZZ BAND

PREREQUISITE: MUST BE A CONCURRENT MEMBER OF THE BAND. MEMBERS ARE CHOSEN BY AUDITION. EXCEPTIONS MAY BE MADE FOR STUDENTS CURRENTLY ENROLLED AT PCTC WHO WERE FORMERLY MEMBERS OF THE SHELBY WHIPPET BAND. PROGRAM AT THE DISCRETION OF THE DIRECTORS.

Jazz Band rehearses outside of the school day at a mutually agreed upon time following marching season. Students will be exposed to a variety of musical styles in a "Big Band" setting. Students have an opportunity for improvisation experiences as well as an opportunity to improve their individual technique on their instrument. These objectives are met through performance of the literature in rehearsals and various performances throughout the year.

Instrumental Performance Ensembles

Instrumental music instruction is offered to all students who have elected to participate in the band program. Participants in the instrumental performance ensembles will be encouraged to develop their musical potential to the fullest and participate in numerous experiences leading to a greater appreciation of music. Ensemble members will develop and improve technical abilities with regard to their individual instrument, as well as ear training and sight-reading skills. Listening skills will be developed with regard to balance and intonation within the ensemble. These skills will be cultivated using quality band literature representing a variety of musical styles, musical periods and composers.

PRE-ENGINEERING COURSES

3930 INTRO TO ENGINEERING DESIGN

Fee \$10

1 CREDIT

PREREQUISITE- A STRONG MATH BACKGROUND IS SUGGESTED

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

4930 PRINCIPLES OF ENGINEERING

Fee \$10

1 CREDIT

PREREQUISITE: ALGEBRA 1 OR TEACHER APPROVAL

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for the design process documentation, collaboration, and presentation.

5930 COMPUTER INTEGRATED MANUFACTURING (CIM)

Fee \$10

1 CREDIT

PREREQUISITE: IED

Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation.

5931 DIGITAL ELECTRONICS

Fee \$10

1 CREDIT

From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

SCIENCE COURSES**3310 PHYSICAL SCIENCE**

Fee \$8

1 CREDIT

Physical science combines concepts related to chemistry, physics, and space science with historical perspective and mathematical reasoning. The course includes inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. As the primary focus is on matter, motion, forces, and energy physical science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. This course qualifies as one science unit (physical science) towards Ohio Graduation requirements.

3315 SCIENCE FACT & FICTION

½ CREDIT/1 QTR

Science Fact & Fiction is an **elective** geared toward 9th and 10th grade students which **does not** satisfy a science requirement for graduation in Ohio **but does** explore the many interesting concepts of science woven into the media and our everyday lives. The course will examine how science has changed throughout history and developed into our modern understanding; as well as exploring predictions of how science will shape our future. The course will include how scientific work is portrayed in literature, news, and film. There are no prerequisites for this class.

4310 BIOLOGY

Fee \$8

1 CREDIT

Biology is a semester course that is designed to introduce the student to the study of life sciences. Students will study the characteristics of life that all living organisms share and survey the living world to examine the diverse forms of life found on earth. Similarities and differences among organisms will be highlighted as concepts covered include basic life chemistry, DNA, genetics, cell biology, classification, populations, and the evolution of the various living species on earth today from non-living viruses to bacteria to plants and animals including humans. This course qualifies as one unit in biological science towards Ohio Graduation requirements.

5320 CHEMISTRY I

Fee \$10

1 CREDIT

PREREQUISITE: BIO & ALG 1

Chemistry I is a college preparatory course that relates the science of chemistry to activities in our daily lives. The course is designed for students who plan to go to college but are not planning to pursue a college major related to science. Formulas, equations, moles, stoichiometry, organic chemistry, and biochemistry are some of the concepts that will be covered. Chemistry I is structured so the students will have many opportunities to investigate chemical phenomena in the laboratory.

5325 TRANSITIONAL CHEMISTRY

Fee \$10

1

CREDIT

PREREQUISITE: BIO & ALG 1

This course does not meet prerequisite requirements for Anatomy I or Advanced Biology

Traditional Chemistry relates the science of chemistry to activities in our daily lives. Measurement, formulas, equations, moles, stoichiometry, heat, acids and bases, and gas laws are some of the topics that will be covered. This class is structured to include investigation of chemical phenomena in the laboratory setting. It is designed for students who are not pursuing a four-year degree and meets the expectations for chemistry credit as outlined by the Ohio Graduation requirements.

5324 CHEMISTRY I-HONORS

Fee \$10

1 CREDIT

PREREQUISITE: BIO & ALG 1

Chemistry I-H is a weighted course for students who plan on attending college and pursuing a major related to science. This course will cover formulas, equations, moles, stoichiometry, oxidation-reduction, equilibrium, organic and biochemistry. The class will move at a fast pace and involve a great deal of problem solving. Chemistry I-H will include many laboratory activities. (Depending on funding and other factors, it is possible that students may receive college credit for this course through NCSC.)

5330 INTRO TO ANATOMY & PHYSIOLOGY

Fee \$15

1 CREDIT

PREREQUISITE: BIOLOGY

Intro to Anatomy & Physiology is a one-semester elective course available to all sophomores, juniors & seniors. It is a lab-based course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Topics covered will include introductory anatomical terminology, as well as the basic organization of the major body systems, along with the impact of diseases on certain systems.

Students will learn through lecture, reading, videos, case studies, collaborative group work, interactive notebooks, and labs. Students will be responsible for proper use of lab equipment and any projects assigned during the semester. Dissection of a fetal pig and other appropriate organs will complement this course. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes, both in high school and at the collegiate level.

5350 FIELD BIOLOGY & ECOLOGY

Fee \$5

1 CREDIT

PREREQUISITE: BIO & ALG I

This course will introduce students to some important topics in biology that they have not studied due mostly to state testing requirements. The areas covered in this course are still the basis of college biology courses so an understanding of these topics will greatly benefit the college bound student. For instance, most college biology majors begin their college careers with zoology and botany which is not offered at this time. The course will also provide the students with many opportunities to experience biological science in the natural setting. Field experiences include river measurements, field botany, bird identification, insect identification, and microscopic studies of pond life. An ongoing theme will be the interdependence of living things in ecosystems and the impact of humans on their environment.

6324 AP BIOLOGY

Fee \$15

1 CREDIT/ALL YEAR

PREREQ: GRD 11 & 12 RECOMMENDED "B" IN BIO & CHEM)

AP Biology is designed to be the equivalent of a first year college course in Biology. At the end of the course, students will have an awareness of the integration of other sciences in the study of biology, understand how the species to which we belong is similar to, yet different from, other species, and be knowledgeable and responsible citizens in understanding biological issues that could potentially impact their lives.

The course is also structured around inquiry in the lab and the use of the seven science practices throughout the course. An emphasis will be placed on the science practices not only through inquiry labs, but through the use of hands-on activities, homework, practice, evaluations, and the laboratory. This course will develop 21st century skills and be appropriate for college bound students, as well as those choosing any science-related career. Concepts and vocabulary will be challenging and are geared towards students motivated by personal interest as well as those considering further study in the field of Chemistry, Physics, Biology, Computer Science or other science-related fields and services.

6330 AP PHYSICS 1

Fee \$10

1 CREDIT

PREREQUISITE: Algebra 2

This is a weighted course designed for seniors (or juniors that have demonstrated high achievement in previous science coursework). This course will provide both a review and in-depth exploration of major topics in physics, such as: measurement, kinematics, mechanics, energy, and modern physics. The course emphasizes the application of mathematics to solving physical problems and includes hands-on, lab-based work and the use of inquiry to form data based conclusions. This course will prepare students for higher education and give them a foundation for college-level physics. Students will also be prepared to take the AP Physics 1 exam at the end of the course.

4315 FORENSIC SCIENCE

Fee \$10

½ CREDIT

PREREQUISITE: GRADES 10, 11, & 12 (GRADE 10 SCIENCE TEACHER RECOMMENDATION)

This course is an overview of how science is applied to solving crimes. This course offers extensive laboratory experience that integrates the concepts learned in biology, chemistry and physics to strengthen individual skills in scientific reasoning and observation. Using inquiry based settings, students will learn basic scientific and mathematical methods and models required in forensic science. This course is an overview of how science is applied to solving crimes.

Topics Include history of forensic sciences, collecting of evidence, analyzing results and hands-on applications of many laboratory techniques used in solving crimes and identifying people and future careers.

Jobs include forensic nurses, odontologists, pathologists, psychiatrists, medical examiners/coroners, forensic technicians, toxicologists, wildlife specialists, forensic engineers, accountants, computer specialists, aviation and construction accident investigators, forensic photographers, skull reconstructionists, document and polygraph examiners.

SOCIAL STUDIES COURSES

3510 MODERN WORLD HISTORY

1 CREDIT

World History is an interdisciplinary one credit course required for all freshmen. Students will engage in various learning activities and objectives correlated to the state academic content standards. This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements, and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

4510 CONTEMPORARY WORLD ISSUES

1 CREDIT

PREREQUISITE: GRD 11,12

This is a weighted course. The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include competing beliefs and goals, methods of engagement, and conflict and cooperation. Contemporary issues have political, economic, social, historic and geographic components. In this course, several approaches to addressing global and regional issues that reflect historical influences and multiple perspectives will be taken. Students will aim to understand the driving forces behind modern global issues through a wide variety of learning techniques and projects that work to raise awareness of these "Contemporary World Issues".

5510 AMERICAN HISTORY

1 CREDIT

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of

its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

5520 AP US HISTORY

1 CREDIT/ALL YEAR

PREREQUISITE: GRD 11 & 12 "A" in AMERICAN HISTORY & "B" OR HIGHER IN ENGLISH. TEACHER RECOMMENDATIONS FOR BOTH SUBJECTS ARE ALSO REQUIRED

In this college level course, students will study the history of the United States from its beginnings through the twenty-first century. Significant outside reading and writing are expected. Students who are eligible for this course should be excellent students in history and English, have an outstanding work ethic, do well on standardized tests, and be recommended by their previous history and English teachers. Students unable to keep up with the workload may be dismissed from the class. All students are required to take the AP U.S. History exam in May.

5560 GEOGRAPHY I

½ CREDIT/1 QTR

PREREQUISITE: GRD 10,11,12, WORLD HISTORY

This course is an introduction to the physical geography of the world and examines the placement of countries, features, and civilizations. Following an introduction to basic geographic tools and the five themes of geography, each week the class will conduct a focused study on one continent. The five themes of geography are used as a lens through which we look at the work to create side-by-side comparisons of each continent and group of people.

5570 WORLD GEOGRAPHY II

½ CREDIT/1 QTR

PREREQUISITE: GRD 10,11,12, GEOGRAPHY I

This course builds on students' foundational understanding of geographic and spatial thinking established in Geography I. Various facets of human geography are studied each week, highlighting some of the world's biggest issues. Students will inquire about how these topics impact each continent and how the placement of physical features impact aspects of human geography.

5580 INTRODUCTION TO ECONOMICS

½ CREDIT/SEM

This course will study the basic economic concepts (economic way of thinking, opportunity cost and benefit, etc.), microeconomic and macroeconomic principles. Students will learn the basics of supply and demand concepts, fiscal policy and economic policy. This class is geared for juniors and seniors.

6540 AMERICAN GOVERNMENT/ECONOMICS

1 CREDIT

PREREQUISITE: AMERICAN HISTORY

How the American people govern themselves at national, state and local levels of government is the basis for this course. Student learning will center around eight topics that include civic involvement, civic participation and skills, the basic principles of the U.S. Constitution, the structure and functions of the federal government, the role of the people, Ohio's State and local governments, public policy, and the government and economy. These topics directly align with Ohio's standards for American Government courses and provide a comprehensive and modern survey of American democracy and economy.

6544 AP U.S. GOVERNMENT & POLITICS

1 CREDIT/ALL YEAR

PREREQUISITE: AMERICAN HISTORY

This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will take the AP exam at the completion of the course.

6555 SOCIOLOGY

½ CREDIT/1 QTR

PREREQUISITE: 11,12

This is the systematic study of man and his group relationships, more commonly known as society. The student is made aware of the unity, the integration and the universality of these relationships. The course lays the groundwork of basic concepts in the area of sociology, socialization, interaction, social institutions and then discusses some of the problems of modern society.

6560 PSYCHOLOGY

½ CREDIT/1 QTR

PREREQUISITE: 11,12

This course provides an overview of the scientific study of human behavior. While sociology focuses on group behavior, psychology focuses on individual behavior. Major units of study include: 1)Biological basis for behavior 2)Sensation and perception 3)Learning and Memory 4)Motivation 5)Development 6)Sleep and consciousness 7)Personality and psychological disorders.

5525 ENTERTAINMENT HISTORY

½ CREDIT

PREREQUISITE: GRD 11,12, AMERICAN HISTORY

In this course, you will learn and discuss the impact the entertainment industry has had on our society as a whole in the past, present, and future. The topics for this course will include but are not limited to music, advertisement, sports, television/movies, leisure activities, technology, social media, controversial issues, and trends.

The goal of this course is for students to better understand how entertainment, and its need to continuously improve, have brought us to our modern lives and what the future of entertainment may be. Students will participate in discussions and presentations of historical development, current trends and future possibilities that surround the world of entertainment.

ADDITIONAL ELECTIVE COURSE

1100 LEADERSHIP

½ CREDIT

PREREQUISITE: GRD 10, 11,12

This course will analyze military leadership tactics and how those skills can translate to everyday life. This course will require reading, generate discussion, and cause students to analyze their own behavior/choices and learn how to develop effective leadership strategies. Taking this course will require you to take a hard look at yourself, determine where you want to go in life, and take steps to be the leader you were meant to be. The readings, discussions, and assignments will allow each student to develop their own leadership strategies and make them applicable to life.