

**LOWELLVILLE HIGH SCHOOL**  
**2023 -2024 -Course Description Catalog**  
**Grades 9-12**

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## THE GOAL OF LOWELLVILLE SCHOOL DISTRICT

The goal of the Lowellville Local School District, in collaboration with students, families, and community, is to provide all learners with the knowledge, skills, academic, emotional, and physical environment necessary to reach their full potential as individuals and be productive, responsible members of society.

### PURPOSE OF BOOKLET

This booklet is designed to assist each student in the selection of the course of study that will help him/her earn the requirements toward graduation and to help plan for his/her future career. While at Lowellville in choosing classes, each student should consult with the school staff and his/her parents to plan course selections.

Please use this booklet to schedule yourself in grades 9 – 12. You will not be issued a new booklet each year. However, you will be issued any changes that occur in the future. This booklet is also available on the Lowellville Schools web page at: [www.lowellville.k12.oh.us](http://www.lowellville.k12.oh.us)

You should review this booklet thoroughly to become aware of all educational options. You should consider your educational and career goals and carefully prepare an educational program that will help meet them.

Please do not hesitate to ask for any type of assistance during the scheduling process. Remember that planning for tomorrow means carefully choosing today. If you would like to meet with the high school counselors to look at scheduling options for your child, please contact Mrs. Killingsworth at ext. 179 or [a.killingsworth@lowellvilleschool.org](mailto:a.killingsworth@lowellvilleschool.org) or contact Mrs. Alyssa Granitto at ext. 174 or [a.granitto@lowellvilleschool.org](mailto:a.granitto@lowellvilleschool.org).

### CLASS SCHEDULES

Because today's students must meet the challenges of the 21<sup>st</sup> Century, Lowellville High School strives to best serve their needs by offering a diversified curriculum. Students can select course offerings from Lowellville High School, the Mahoning County Career & Technical Center and/or local College Credit Plus Institutions.

Students must carry a minimum load of at least six (6) credits in grades 9-11 but are encouraged to carry seven (7), and six (6) credits in grade 12. Students will not be granted permission to take less than the minimum class load. Students are not permitted to have more than two study halls at any one time.

### GRADE LEVEL CLASSIFICATION

Grade 9	0 – 5 1/4 credits
Grade 10	5 1/2 - 10 3/4 credits
Grade 11	11 – 16 1/4 credits
Grade 12	16 1/2 credits minimum

### **LOWELLVILLE HIGH SCHOOL GRADUATION REQUIREMENTS (Class of 2024 and 2025)** (21 credits for Lowellville and Mahoning County Career & Technical Center students)

- 4 credits of English
- 4 credits of Social Studies including
  - 1 credit of World History
  - 1 credit of American History
  - 1 credit of American Government
  - ½ credit of Financial Literacy
  - ½ credit of Global Studies

3 units of Science including  
 1 credit of Life Science  
 1 credit of Physical Science  
 1 credit of Advanced Study  
 4 credits of Mathematics  
 ½ credit of Health  
 ½ credit of Physical Education or PE Waiver (for band or sport participation)  
 ½ credit of Integrated Computer Applications  
 4.5 credits of electives which must include one (1) credit from the areas of Business Technology, Fine Arts and/or Foreign Language.

- |          |   |
|----------|---|
| Grade 9  | Physical Education, Health, Integrated Computer Applications, English, World History, Mathematics, Science and 1 Foreign Language   |
| Grade 10 | English, Mathematics, Science, Physical Education, U.S. History, 2 Electives or 1 Elective and 1 Foreign Language   |
| Grade 11 | English, Government, Mathematics, Science, 2 Electives or 1 Elective and 1 Foreign Language (Students at MCCTC do not have to take 1 Elective or 1 Foreign Language)                              |
| Grade 12 | English, Financial Literacy (formerly Economics) Mathematics, Global Studies, and 4 Electives (Students at MCCTC do not have to take Economics, Global Studies, 1 Elective or 1 Foreign Language) |

**LOWELLVILLE HIGH SCHOOL GRADUATION REQUIREMENTS (Class of 2026 and beyond)**  
 (21 credits for Lowellville and Mahoning County Career & Technical Center students)

4 credits of English  
 3.5 credits of Social Studies including  
 1 credit of World History  
 1 credit of American History  
 1 credit of American Government  
 ½ credit of Global Studies  
 3 units of Science including  
 1 credit of Life Science  
 1 credit of Physical Science  
 1 credit of Advanced Study  
 4 credits of Mathematics  
 ½ credit of Health  
 ½ credit of Physical Education or PE Waiver (for band or sport participation)  
 ½ credit of Integrated Computer Applications  
 ½ credit of Financial Literacy  
 4.5 credits of electives which must include one (1) credit from the areas of Business Technology, Fine Arts and/or Foreign Language.

- |          |   |
|----------|---|
| Grade 9  | Physical Education, Health, Integrated Computer Applications, English, World History, Mathematics, Science and 1 Foreign Language   |
| Grade 10 | English, Mathematics, Science, Physical Education, U.S. History, 2 Electives or 1 Elective and 1 Foreign Language   |
| Grade 11 | English, Government, Mathematics, Science, 2 Electives or 1 Elective and 1 Foreign Language (Students at MCCTC do not have to take 1 Elective or 1 Foreign Language)                              |
| Grade 12 | English, Financial Literacy (formerly Economics) Mathematics, Global Studies, and 4 Electives (Students at MCCTC do not have to take Economics, Global Studies, 1 Elective or 1 Foreign Language) |

## MAHONING COUNTY CAREER & TECHNICAL CENTER

- 4 credits of English
- 3 credits of Social Studies including
  - 1 credits of American History
  - 1 credits of World History
  - 1 credits of Government
  - ½ credit of Financial Literacy
- 3 credits of Science
- 4 credits of Mathematics
- ½ credits of Physical Education or PE Waiver (for band or sport participation)
- ½ credits of Health

### STATE TESTING REQUIREMENTS FOR GRADUATION

The state of Ohio currently requires three components for graduation; **earn a minimum of 20 credits** in specified subjects, **show competency**, and **demonstrate readiness**. To learn more, visit [education.ohio.gov/graduation](http://education.ohio.gov/graduation).

#### Credit Requirements

English Language Arts	4 credits
Health	½ credit
Mathematics	4 credits
Physical Education	½ credit
Science	3 credits
Social Studies	3 credits
Electives	5 credits

#### Show Competency

Earn a passing score (684) on Ohio's high school Algebra 1 and English II tests. Students who do not pass the test will be offered additional support and must retake the test at least once. If both tests are not passed, there are four additional ways to show competency:

*Option 1:* Demonstrate two career-focused activities; one foundational and one supporting.  
Foundational: Earn proficient scores on the Ohio WebXams, OR earn a 12-point industry credential, OR enter a pre-apprenticeship or acceptance into an approved apprenticeship program  
Supporting: Complete a work-based learning program, OR earn the required score on the WorkKeys Exam, OR earn the Ohio Means Jobs Readiness Seal

*Option 2:* Enlist in the military; show evidence that the student has signed a contract with 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 Ohio's free College Credit Plus program.

*Option 4:* To complete this alternative demonstration of competency, students must obtain a remediation-free score in the math or English subject areas on the ACT or SAT to demonstrate competency. To demonstrate competency in English II, a student must be remediation-free in the subjects of English and reading on the ACT or SAT.

#### Show Readiness

Students must qualify for at least two of Ohio's Graduation Seals. Nine of these seals are defined by the state and three are defined locally.

- Ohio Means Jobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)

Science Seal (Ohio)  
 Honors Diploma Seal (Ohio)  
 Seal of Biliteracy (Ohio)  
 Technology Seal (Ohio)  
 Community Service Seal (Local)  
 Fine and Performing Arts Seal (Local)  
 Student Engagement Seal (Local)

#### GRADES

A	3.50 - 4.00	A	90 - 100
B	2.50 - 3.49	B	80 - 89
C	1.50 - 2.49	C	70 - 79
D	.50 - 1.49	D	60 - 69
F	.00 - .49	F	59 - Below

\*(I) Incomplete; work must be completed as arranged by instructor or grade becomes an F

*\*To be determined by counselor and administration*

Students who earn a final grade of an F will need to retake the course in order to receive full credit.

Students should expect homework assignments, quizzes, weekly unit and/or grade period tests, plus semester exams. If you have a question regarding your grades, be sure to speak with your teacher(s) as soon as possible.

#### GRADE POINT AVERAGE

- All credits earned will be included in determining grade point average: This includes summer school and/or correspondence school, with prior approval of the principal; includes tutorial credits with prior approval of principal.
- Subjects repeated are counted both times; for example, if English I is taken and failed and repeated with a "C," the final grade shall be counted as "1.0" credits. The credit is the average of the failed course and the passed course.
- Grade points will be assigned to courses as follows:  
 A = 4; B = 3; C = 2; D = 1; F = 0; \*WP Withdraw Passing 0; \*WF Withdraw Failing 0, figured in GPA
- Grade point average will be determined by dividing the total academic points earned by the total credits attempted.
- Grade point average will be computed to two decimal places.

#### RANK IN CLASS

- All graduating seniors will be assigned a rank in class.
- Rank in class will be computed at the end of the sixth and eighth semesters. The purpose of the sixth semester ranking will be an unofficial ranking for those students applying for college entrance and scholarships. Official class ranking will be computed at the end of the eighth semester.
- Rank in class will be determined by assigning the student with the highest grade point average, a rank of number one (1), the second highest rank of two (2), etc. In cases where more than one student has the same number, all students with that same number will be assigned the same rank.
- Rank in class will be shown on official transcripts.
- Grades for students enrolled in College Credit Plus courses will be included in their GPA.

#### VALEDICTORIAN AND SALUTATORIAN (CLASS OF 2020 AND BEYOND)

The graduating Senior(s) having the highest (Valedictorian) and the second highest (Salutatorian) cumulative grade point average, based upon a 4.0 grading scale, and has completed any courses required by the Ohio Department of Education, the Lowellville Local Schools. Only the final average per subject (semester or year course) will be used to figure point average and class rank. Students are ranked at the end of each semester. However, the final grade earned

determines the ranking for that particular year. The 7th semester ranking will define the final class ranking of seniors for the graduation programs. A final transcript of all grades, including the 7th semester grades, will be sent to all colleges and/or prospective employers. In a situation of ties in rank, students with the same GPA will be assigned the same rank for the final class rank only. Rank order following ties will assume the next ranked position. In an effort to recognize academic excellence, a class valedictorian and salutatorian will be chosen. The following criteria will be taken into consideration:

1. Valedictorian(s) will be the graduating senior(s) having the highest grade point average.
2. Salutatorian(s) will be the graduating senior(s) having the second highest grade point average.
3. In case of ties, equal GPA's, CO-valedictorians and/or CO-salutatorians will be named.
4. Valedictorian and salutatorian status will be based on the 7th semester GPA.
5. Beginning with the class of 2026: No tutored courses, online courses, or summer school classes will be accepted. Valedictorians/Salutatorians must also meet criteria for Honors Diploma, so please check requirements for Honors Diploma. Students must take the required courses and pass with at least a final grade of a B or higher.

### VALEDICTORIAN/SALUTATORIAN REQUIREMENTS

1. 4 Credits of English including Advanced I, II, III and IV (Class of 2023 and 2024 do not need Advanced I)
2. 5 Credits Math including Calculus
3. 4 Credits of Science including: Physical Science, Biology, and Physics and at least 1 of the following: Anatomy and Physiology or Chemistry
4. 4 Credits of Social Studies including: World History, U.S. History, Government, and Global/Financial Literacy
5. 3 Credits of 1 Foreign Language or 2 credits each of 2 Foreign Languages

\*The College Credit Plus equivalent as determined by the Lowellville Local School District of any of the above course offerings shall be sufficient to satisfy any particular course requirement.

A graduating Senior shall have a minimum of 28 course credits to be eligible to be named Valedictorian or Salutatorian.

A student must enter Lowellville High School by their junior year and attend 4 consecutive semesters to be eligible for Valedictorian/Salutatorian.

The selection of class valedictorian and salutatorian each year is determined by a set of guidelines which may be obtained from your guidance counselor. You are encouraged to check your eligibility for these awards periodically throughout your high school years.

### CRITERIA FOR AWARDING A DIPLOMA WITH HONORS

High school students can gain state recognition for exceeding Ohio's graduation requirements through an Academic Honors Diploma. High-level coursework, college and career readiness tests and real-world experiences challenge students.

(1) The student who completes the more rigorous high school academic curriculum shall meet at least seven of the following eight criteria:

- (a) Earn four units of English;
- (b) Earn at least four units of Mathematics
- (c) Earn at least four units of Science, including two units of advanced science
- (d) Earn four units of Social Studies;
- (e) Earn either three units of one Foreign language or two units of each of two Foreign Languages;
- (f) Earn one unit of Fine Arts;
- (g) Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year; or

(h) Obtain a composite score of twenty-seven on the American college test's ACT assessment (excluding the optional writing test) or a combined score of twelve hundred eighty on the college board's SAT.

(2) The student who completes an intensive career-technical education curriculum in the high school shall meet at least seven of the following eight criteria:

- (a) Earn at least four units of Mathematics;
- (b) Earn at least four units of Science, including two units of advanced science;
- (c) Earn four units of Social Studies;
- (d) Earn 4 Elective units of career-technical courses;
- (e) 2 units of one World Language;
- (f) Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent;
- (g) Complete a field experience and document the experience in a portfolio specific to the student's area of focus;
- (h) Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus;
- (i) Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year; or
- (j) Obtain a composite score of twenty-seven on the American college testing service's ACT assessment (excluding the optional writing test) or a combined score of twelve hundred ten on the college board's SAT verbal and mathematics sections (excluding the score obtained on the required writing section).

### **HONOR ROLL**

The Honor Roll will be determined by the nine-week grade point average. A minimum GPA of 3.20 with no D's or F's is required to make the Honor Roll for the nine weeks. A minimum GPA of 3.80 is required for High Honor Roll.

### **COLLEGE CREDIT PLUS (CCP) ENROLLMENT OPTIONS**

Students in grades 7 - 12 may attend college while in high school for both high school and college credit. Students interested in this option must meet with a high school counselor and complete the required forms prior to college registration. More detailed information will be given at that time. Students interested in applying for post-secondary courses should plan on taking the ACT no later than April of the year prior to beginning post-secondary classes. Registration deadlines vary based on the local institutions. Information on institution registration policies will be presented at a parent/student meeting which will be held during the fall of each school year. A student must submit their Letter of Intent to participate in CCP by April 1st of each year.

### **NATIONAL HONOR SOCIETY**

The induction for National Honor Society will take place in the Spring so that the student's GPA can be based on five semesters, one of which includes the junior year.

To meet the requirement of service, a student must take part in at least 30 hours of service projects during his/her freshman, sophomore, and junior years. Service projects can involve community, church, or school activities that a student volunteers for and provides dependable and well-organized assistance.

To achieve leadership, a student must partake in at least one activity that displays leadership, responsibility, reliability and dependability during his/her freshman, sophomore, and junior years. (E.g. an officer or active member of an organization either at school, work, church or community; or a participant in a sport) Student must provide a letter of endorsement from the sponsor of the organization or the team coach verifying the leadership qualities.

To achieve character, faculty will rate each student (with whom they've had direct contact in the classroom or in extra-curricular activities) from 1 (lowest) to 5 (highest) in the area of Character. In order to become a member the candidate must receive an average vote of 3.50 or higher in the area of Character.

Any or all students who have the 3.4 GPA must provide all of the above documentation to the NHS advisor with a completed application listing their activities.

\*\* The requirements for National Honor Society may be amended at any time by the NHS Faculty Council.

### ATHLETIC ELIGIBILITY

The requirements listed below have been adopted by the Lowellville Board of Education

1. Athlete must carry a 1.0 GPA
2. Athlete must pass five credits of OHSAA eligibility standards
3. Athlete is permitted to receive one failing grade
4. An athlete receiving two failing grades in any one grading period is ineligible
5. Eligibility is based on the nine week grades
6. *8<sup>TH</sup> GRADERS GOING TO NINTH GRADE MUST PASS 75% OF THEIR 4<sup>TH</sup> NINE WEEKS COURSE WORK TO BE ELIGIBLE (THIS IS ALSO MANDATORY FOR 7<sup>TH</sup> GRADERS GOING TO 8<sup>TH</sup>)*
7. In order to understand how College Credit Plus courses are factored into athletic eligibility, please refer to OHSAA at:  
<https://ohsaa.org/Portals/0/Eligibility/OtherEligibilityDocs/EligibilityGuidelinesGuidanceCounselors.pdf>

### NCAA ATHLETIC ELIGIBILITY

It is the student's responsibility to inform their school counselor before their junior year if they are considering playing a Division I or Division II sport. Contact your guidance counselor for details on registering with the NCAA and/or NAIA Eligibility Centers or for any other additional information. Please take the time to familiarize yourself with the NCAA website and eligibility center if you have any aspirations of playing college sports. Visit the [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

### WITHDRAWAL FROM CLASS AFTER SCHOOL HAS BEGUN

1. For permission to be granted, the student must enroll in a course of equal credit and be willing to expend effort to catch up.
2. Partial course credits cannot be assigned; student either receives full credit or no credit.
3. Permission from both principal and counselor is required during the first two full weeks of any course. Very few will be granted.
4. The counselor and/or principal may request a conference or contact parents prior to any changes in schedule.
5. In most cases, if a student wishes to drop classes after a two-week period, it will be done with a WF grade, which will become part of the student's permanent record and will be treated like an "F" when computing grade point averages and class rank. The principal will make the final decision in all cases.

### COURSE DESCRIPTIONS

*Courses will be made available depending on student interest levels*

### ART

#### Art I

Credit: 1  
Semesters: 2

*Prerequisite: None*

This is an elective course for students in grades 9-12. This course is designed to give the first-year student experience in a wide variety of techniques. The assignments are designed to teach fundamentals of drawing, painting, and three-dimensional design, plus some art history. Field trips are part of the program.



**Art II**Credit: 1  
Semesters: 2*Prerequisite: Successful completion of Art I*

This second-year course builds toward more sophisticated projects that encourage personal style, while improving basic art skills. Some art history is taught, and field trips are part of the program.

**Art III**Credit: 1  
Semesters: 2*Prerequisite: Successful completion of Art II*

This third-year course encourages individual initiative and creation of superior quality work, with emphasis on integrating personal style. Students begin to target areas of expertise, making the transition from student to artist. Field trips are part of the program.

**Art IV**Credit: 1  
Semesters: 2*Prerequisite: Successful completion of Art III*

This fourth-year course brings together all of the elements of the past three years and is designed for students with a high art interest and ability and/or pursuing a career in art. Student artists select an area of concentration for their assignments. Field trips are part of the program.

**BUSINESS EDUCATION****Accounting I (Grades 11 and 12)**Credit: 1  
Semesters: 2*Prerequisite: None*

This introductory course combines manual and computerized accounting methods and concepts used in small businesses using the accounting cycle principles. Students will learn the theory and practical applications of financial and managerial accounting principles; preparation and evaluating financial statements; business planning and accounting controls; and how accounting information is used in managerial decision making.

**Accounting II (Grades 11 and 12)**Credit: 1  
Semesters: 2*Prerequisite: Accounting with a grade of "C" or better*

This course is a continuation of accounting principles with an emphasis on partnerships and corporations, computerized accounting, payroll, and income taxes. A business simulation will be utilized. Students with a business career objective are encouraged to take this course.

**Word Processing I (Grades 10-12)**Credit: 1  
Semesters: 2*Prerequisite: None*

This course will cover keyboard letters, numbers, and symbols, improving technique and basic skills and reading/keyboard response patterns. Students will gain professional-level skills and knowledge to design and create attractive business forms such as letters, tables, memos, purchase orders, etc. Document formatting and processing will be completed using Microsoft Office 365, Google, and various web-based applications. Speed development will also be required.

**Word Processing II (Grades 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Word Processing I with a "C" or better*

This course will cover advanced document formatting and processing using Microsoft Office 365, Google, and various web-based applications. Students are more independent and work as if in a professional business setting. Speed development will also be required.

**Microsoft Office Specialist Certification (Grades 10-12)**

Credit: .25  
Semesters: .50

*Prerequisite: None*

Each nine week course will cover the skills needed to prepare for the Microsoft Office Specialist (MOS) certification in the following programs: Word, Excel, PowerPoint, and Outlook. A certification test will be administered at the conclusion of each nine-week grading period for the respective program taught. Holding an MOS certification can lead to entry-level employment.

**Introduction to Business (Grades 10-12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

Students will be engaged in teamwork, presentations, computer-related activities, and current events while learning the following topics: communication and interpersonal skills, economic awareness, global economic awareness, employability skills, entrepreneurship, consumer decisions, research skills, and business operations.

**Integrated Computer Applications (Grade 9)**

Credit: .25  
Semesters: 1

*Prerequisite: None*

This course is designed to help students become competent in a variety of software and productivity applications, including but not limited to word processing, presentation, spreadsheets, desktop publishing, email, and beginning web page development. In addition, students will build their technology vocabulary, learn proper file management and storage handling, and cover miscellaneous technology topics such as netiquette, internet safety, and digital citizenship.

**College and Career Readiness (Grades 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

This is a full-year course developed for students focusing and preparing for career/college readiness. This course acts as a guide for the student developing self-awareness through self-assessments; examining various education options including college, apprenticeship programs and trade schools; preparing and gaining knowledge of colleges, courses, and curricula; acknowledging career trends, awareness, success and growth; understanding the workplace; the job application process; entrepreneurship; and college/career terminology. Various career guest speakers and college admission representatives will be scheduled to visit during this class.

Special Assignments: Minimum 2 Extensive Career Research Projects  
Minimum 2 Extensive School Research Projects  
Job Shadow Day

**ENGLISH LANGUAGE ARTS**

**English I**

Credit: 1  
Semesters: 2

*Prerequisite: Successful Completion of Language Arts 8*

This course will cover the Common Core State Standards set forth by the Ohio Department of Education. Students will be analyzing many different forms of literary and informational texts. Students will cite with textual evidence, study theme and central idea, study many complex characteristics within various works, understand figurative and connotative meanings, as well as many other types of literary devices relevant to the genre of story being studied. Works studied will be comprised of American literature, British literature, and World literature.

Students will be composing many types of writing. The students will be composing pieces of argumentative writing with claims and evidence, informational/expository writing, and narrative writing with particular emphasis on word choice and organization. Students will be using various forms of technology to gain feedback and publish their work. In addition, students will become familiar with citations and be able to analyze sources for reliability.

The students will also be learning many forms of speaking and listening skills. Students will be participating in partner and group discussions. They will also be using multiple sources to evaluate speeches and compose ideas to be used in debates. Many types of digital media will be utilized.

The students will become more familiar with writing conventions in the forms of parallel structure, types of phrases, word relationships, clauses, semicolons, and colons. The students will learn to work from a style manual when writing and be able to decipher specific words and phrases when composing various texts.

### **Advanced English I (Grade 9)**

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of 8th grade language arts with all A's (quarterly grades) OR 3 A's and 1 B on a student's report card AND the recommendation of the student's 8th grade ELA teacher.*

This course will cover the Common Core standards set by the Ohio Board of Education and fulfill the requirement of English I in 9th grade.

Students will read a variety of fiction and nonfiction texts. They will analyze the theme and plot of each text, as well as genre, literary devices, figurative language, and practice citing evidence as it relates to the text. Students will read works from World literature, American, and British literature.

Students will write argumentative, persuasive, analytic, and narrative writings. Students will learn proper citation of works when researching and citing author's works. A variation of projects will be conducted using multiple sources of technology.

Students will participate in small and large group discussions, group projects, and debates on a variety of topics as they pertain to works students are reading and studying.

### **English II**

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of English I*

This course will cover the Common Core State Standards set forth by the Ohio Department of Education.

Students will be analyzing many different forms of literary and informational texts. Students will cite with textual evidence, study theme and central idea, study many complex characteristics within various works, understand figurative and connotative meanings, as well as examine many other types of literary devices relevant to the genre of story being studied. Works studied will comprise American literature, British literature, and World literature.

Students will be composing many types of writing. The students will be composing pieces of argumentative writing with claims and evidence, informational/expository writing, and narrative writing with particular emphasis on word choice

and organization. Students will be using various forms of technology to gain feedback and publish their work. In addition, students will become familiar with citations and be able to analyze sources for reliability.

The students will also be learning many forms of speaking and listening skills. Students will be participating in partner and group discussions. They will also be using multiple sources to evaluate speeches and compose ideas to be used in debates. Many types of digital media will be utilized.

The students will become more familiar with writing conventions in the forms of parallel structure, types of phrases, word relationships, clauses, semicolons, and colons. The students will learn to work from a style manual when writing and be able to decipher specific words and phrases when composing various texts.

The students in English II will be examining the above standards with more rigor than English I.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

*\*\*For any 10th grade student taking Writing I or II or any other English credit as a CCP student, he or she must take the English II End of Course Exam when it is offered at Lowellville.*

## **Advanced English II**

Credit: 1  
Semesters: 2

*Prerequisite: Successful Completion of English I with all A's (quarterly grades) OR at least three A's (quarterly grades) and no more than one B (quarterly grade).*

This course will cover the Common Core State Standards set forth by the Ohio Department of Education.

Students will be analyzing many different forms of literary and informational texts. Students will cite with textual evidence, study theme and central idea, study many complex characteristics within various works, understand figurative and connotative meanings, as well as examine many other types of literary devices relevant to the genre of story being studied. Works studied will comprise American literature, British literature, and World literature.

Students will be composing many types of writing. The students will be composing pieces of argumentative writing with claims and evidence, informational/expository writing, and narrative writing with particular emphasis on word choice and organization. Students will be using various forms of technology to gain feedback and publish their work. In addition, students will become familiar with citations and be able to analyze sources for reliability. The students will also be learning many forms of speaking and listening skills. Students will be participating in partner and group discussions. They will also be using multiple sources to evaluate speeches and compose ideas to be used in debates. Many types of digital media will be utilized.

The students will become more familiar with writing conventions in the forms of parallel structure, types of phrases, word relationships, clauses, semicolons, and colons. The students will learn to work from a style manual when writing and be able to decipher specific words and phrases when composing various texts.

The students in Advanced English II will be examining the above standards with more rigor than English I. Since this is an advanced course, students will be expected to read and compose texts with more complexity than English II. Advanced English II will have a major project component that will be aligned with multiple Common Core Standard Statements.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

*\*\*For any 10th grade student taking Writing I or II or any other English credit as a CCP student, he or she must take the English II End of Course Exam when it is offered at Lowellville.*

### English III

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of English II*

This course will cover the Common Core Standards set forth by the Ohio Department of Education.

Students will utilize and evaluate literary devices to read and comprehend a wide variety of literature. They will also integrate multiple sources in different media to analyze and comprehend informational text and literary nonfiction. Students will produce argumentative, informative, and narrative writing using formal writing style, conventions, and standard citation formats while using technology in production of the writing. Students will do oral presentations using multiple sources of information and diverse media formats.

### Advanced English III

Credit: 1  
Semesters: 2

*Prerequisite: Successful Completion of Advanced English II with all A's (quarterly grades) OR at least three A's (quarterly grades) and no more than one B (quarterly grade).*

This course will cover the Common Core Standards set forth by the Ohio Department of Education.

Students will utilize and evaluate literary devices to read and comprehend a wide variety of literature. They will also integrate multiple sources in different media to analyze and comprehend informational text and literary nonfiction. Students will produce argumentative, informative, and narrative writing using formal writing style, conventions, and standard citation formats while using technology in production of the writing. Students will do oral presentations using multiple sources of information and diverse media formats.

Students in the Advanced English III class will be examining the above standards with more rigor than the English III class. Students will be expected to produce writing and examine texts with more complexity and to perform at a higher standard.

### English IV

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of English III*

This course will cover the Common Core Standards set forth by the Ohio Department of Education.

Scaffolding on the course objectives stated in English III, students will utilize and evaluate literary devices to read and comprehend a wide variety of literature. They will also integrate multiple sources in different media to analyze and comprehend informational text and literary nonfiction. Students will produce argumentative, informative, and narrative writing using formal writing style, conventions, and standard citation formats while using technology in production of the writing. Students will do oral presentations using multiple sources of information and diverse media formats.

### Advanced English IV

Credit: 1  
Semesters: 2

*Prerequisite: Successful Completion of Advanced English III with all A's (quarterly grades) OR at least three A's (quarterly grades) and no more than one B (quarterly grade).*

This course will cover the Common Core Standards set forth by the Ohio Department of Education.

Scaffolding on the course objectives stated in Advanced English III, students will utilize and evaluate literary devices to read and comprehend a wide variety of literature. They will also integrate multiple sources in different media to analyze and comprehend informational text and literary nonfiction. Students will produce argumentative, informative, and narrative writing using formal writing style, conventions, and standard citation formats while using technology in

production of the writing. Students will do oral presentations using multiple sources of information and diverse media formats.

Students in the Advanced English IV class will be examining the above standards with more rigor than the English IV class. Students will be expected to produce writing and examine texts with more complexity and perform at a higher standard.

**Media Communications I-IV (Grades 10-12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

Media and Communications will cover different mediums of communication, including social platforms and online journalism. This course is designed to teach students the various forms of journalism, application, and analysis of media, as well as writing skills. Students will engage in multiple forms of media, with a strong focus in newspaper writing. This course is supplemental to the school newspaper, The Rocket Review and students are expected and required to contribute articles to the production of the paper in a professional and timely manner as befitting a newspaper. In addition to writing for the school newspaper students will be expected and required to cover a wide variety of school events for the school's Facebook and Instagram pages, as well as participate in the business aspects of running and working for a student driven newspaper. (9th grade students may be admitted to the course based upon student interest and teacher recommendation)

**Film Studies (Grades 10-12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

The objective of Film Studies is to explore various films historically, theoretically, and analytically. Students will learn to view films as literary works by learning how to watch and listen to films analytically, learning how events, characters, and meanings shape film. Students will participate in class discussions, informal responses, class projects, analytical papers based upon rubric prompts, individual speeches, and formal presentations by developing a more meaningful relationship with classic film. This course will count towards graduation as an English elective.

***FILM STUDY DISCLAIMER***

Films will have various ratings used by the Motion Picture Association of America's film rating system and ALL films will be reviewed for educational purposes. We will view films as art, propaganda, communication, and analyze the effects of film on society in general. We will be viewing these films with literary devices. Students may be shown movies that are rated G, PG, PG-13, and R.

**Creative Writing (Grades 10-12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

This course is designed to challenge and engage students interested in composing original literary writing, providing them with a strong foundation for further exploration of their creative writing goals. Students will be tasked with creating diverse types of writing, including the personal narrative, the short story, play/screen manuscript, poetry, and more. This course is meant to supplement various Writing benchmarks of English Language Arts standards, as well as draw inspiration from Reading Literature standards.

**Young Adult Literature (Grades 10-12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

This course is designed to promote and cultivate reading and writing for students based upon young adult novels. These contemporary novels contain current themes in today's modern young adult society and aim to increase the level of student reading, engagement with reading and in-depth analysis. Students will closely examine worthy Young Adult Literature and consider the important concepts found in works of the standard English Curriculum. Students will read, analyze, and compare literary concepts in the novels, orally, in writing, and in presentations. This may include works chosen by Youngstown State University to help them prepare for the English Festival.

**Public Speaking and Communications (Grades 10-12)**

Credit: 1

Semesters: 2

*Prerequisite: None*

This course is designed to offer the novice speaker opportunities to develop confidence in public speaking. Students will improve public speaking skills through the basics of writing and performing public speeches. Students will be exposed to various types of speeches and effective argumentation. This course examines the strategies and skills needed for formal presentation and communication to prepare students to function in society and to prepare for college and career situations. Students will work on speech analysis and writing, while studying effective rhetoric techniques.

**FOREIGN LANGUAGE**

**Italian I**

Credit: 1

Semesters: 2

This course covers vocabulary, grammatical structures, verb forms and usage, civilization, culture, translations, and idiomatic expressions.

Special Projects: Reports on a Italian-speaking country, skits, posters, memorization of poems, group work on skills in Italian

Additional Requirements: Maintain a notebook containing any special material, homework, or quizzes. Italian-English dictionary

**Italian II**

Credit: 1

Semesters: 2

*Prerequisite: Successful completion of Italian I*

Students in this second-year course will increase their skills in the following: verbs - structure and language - other grammatical structures, reading, idiomatic expressions, vocabulary study, writing, conversation, culture, and civilization.

Special Projects: Maps, posters, skits, group work, memorization of selected poems

Additional Requirements: Students should possess and reinforce writing, reading, comprehension and interaction skills learned in level I. Also, they should participate in language contests.

**Italian III**

Credit: 1

Semesters: 2

*Prerequisite: Successful completion of Italian II*

Students in this course will increase their skills in the following: verbs, grammar Structure, reading, writing, conversation, culture and civilization

Special Projects: Research papers, skits, poem memorization

Additional Requirements: Students should participate in language contests and possess writing and conversational skills learned in levels I and II.

#### **Italian IV**

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Italian III*

Fourth year Italian introduces more grammar, literature, reading, idioms, writing, conversation, culture, and civilization.

Special Projects: Research papers, skits, dialogues, and posters.

Additional Requirements: Students should participate in language contests and possess writing and conversational skills learned in Italian I, Italian II, and Italian III.

#### **Exploratory Latin (Gr. 10-12)**

Credit: 1  
Semester: 2

*Prerequisite: None*

This is a full-year course that serves as an introduction to Latin and focuses on the most useful aspects of the language for life in the modern world. This course uses the Cambridge Latin reader series which exposes students to the language, culture, and social/political history of Ancient Rome. Students looking to pursue a career in the medical, technical, or literary fields will benefit greatly from learning Latin roots, prefixes, suffixes, and derivatives. Students with at least one full year of experience in Spanish or Italian are encouraged to enroll, and completion of the course will account for 1 credit in the Fine Arts.

*Note- this course will not count towards the requirements for Valedictorian/Salutatorian or Ohio's Honors Diploma*

#### **Spanish I**

Credit: 1  
Semesters: 2

*Prerequisite: None*

In Spanish I, students will work toward proficiency at the Novice Mid level according to the American Council on the Teaching of Foreign Languages (ACTFL). Please visit [ACTFL's](#) website for more details on proficiency and performance.

Students will work on the following: gaining confidence in spoken and written communication skills in the past, present (main method of communication) and future tenses in Spanish; presenting prepared written and spoken information to others in Spanish on a variety of topics utilizing lists, phrases, simple sentences and connected sentences and beginning writing in paragraph form; reading for understanding, analysis and personal enjoyment of authentic materials such as Spanish language newspaper articles, graphs, charts, posters, brochures, magazines, advertisements and literature; listening to authentic Spanish language audio and video for understanding, analysis and personal enjoyment, including interviews, educational programs, nursery rhymes, music, weather forecasts and more; utilizing technology for spoken and written communication, reference and access to authentic materials in the Spanish language; recognizing the practices and perspectives of and recreating cultural artifacts from various Spanish speaking cultures

For a detailed list of topics of study, activities and themes, please visit the [Spanish I](#) course description on the school website.



## Spanish II

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Spanish I*

In Spanish II, students will work toward proficiency at the Novice High level according to the American Council on the Teaching of Foreign Languages (ACTFL). Please visit [ACTFL's](#) website for more details on proficiency and performance.

Students will work on the following: fine-tuning and gaining more confidence in spoken and written communication skills in the past, present and future tenses in Spanish; presenting prepared written and spoken information to others in Spanish on a variety of topics utilizing lists, phrases, simple sentences, connected sentences and simple paragraphs; reading for understanding, analysis, application and personal enjoyment of authentic materials such as Spanish language newspaper articles, graphs, charts, posters, brochures, magazines, advertisements and literature; listening to authentic Spanish language audio and video for understanding, analysis, application and personal enjoyment, including interviews, educational programs, nursery rhymes, music, weather forecasts and more; utilizing technology for spoken and written communication, reference and access to authentic materials in the Spanish language; recognizing the practices and perspectives of and recreating cultural artifacts from various Spanish speaking cultures; building upon communication skills gained in the previous year of study

For a detailed list of topics of study, activities and themes, please visit the [Spanish II](#) course description on the school website.

## Spanish III

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Spanish II*

In Spanish III, students will approach proficiency at the Intermediate level according to the American Council on the Teaching of Foreign Languages (ACTFL). Please visit [ACTFL's](#) website for more details on proficiency and performance.

Students will work on the following: fine-tuning and gaining more confidence in spoken and written communication skills in the past, present and future tenses in Spanish; presenting prepared written and spoken information to others in Spanish on a variety of topics utilizing phrases, sentences, connected sentences and paragraphs; reading for understanding, analysis, application and personal enjoyment of authentic materials such as Spanish language newspaper articles, graphs, charts, posters, brochures, magazines, advertisements and literature; listening to authentic Spanish language audio and video for understanding, analysis, application and personal enjoyment, including interviews, educational programs, nursery rhymes, music, weather forecasts and more; utilizing technology for spoken and written communication, reference and access to authentic materials in the Spanish language; recognizing the practices and perspectives of and recreating cultural artifacts from various Spanish speaking cultures

For a detailed list of topics of study, activities and themes, please visit the [Spanish III](#) course description on the school website.

## Spanish IV

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Spanish III*

In Spanish IV, students will work toward proficiency at the intermediate level according to the American Council on the Teaching of Foreign Languages (ACTFL). Please visit [ACTFL's](#) website for more details on proficiency and performance.

Students will work on the following: establishing more effective spoken and written communication skills in the past, present and future tenses in Spanish; presenting prepared written and spoken information to others in Spanish on a variety of topics; reading for understanding, analysis, application and personal enjoyment of authentic materials such as Spanish language newspaper articles, graphs, charts, posters, brochures, magazines, advertisements and literature; listening to authentic Spanish language audio and video for understanding, analysis, application and personal

enjoyment, including interviews, educational programs, nursery rhymes, music, weather forecasts and more; utilizing technology for spoken and written communication, reference and access to authentic materials in the Spanish language; recognizing the practices and perspectives of and recreating cultural artifacts from various Spanish speaking cultures

Themes of special interest in Spanish IV include: 20th Century Mexican Art - Diego Rivera, David Alfaro Siqueiros, José Clemente Orozco, Frida Kahlo, Rufino Tamayo, Carlos Mérida, exploring muralism and surrealism, identifying favorite works and presentations in Spanish to include biographical information and titles, dates and images of student selected works of art; 20th Century Spanish Art - Salvador Dalí, Joan Miró, Pablo Picasso - exploring abstract art, surrealism and cubism, identifying favorite works and presentations in Spanish to include biographical information and titles, dates and images of student selected works of art; Latin American Folk Art - molas of Panamá, painted ox carts of Costa Rica, ceremonial masks and nichos of Mexico, bultos of New Mexico and more; pre-Colombian civilizations, Spanish exploration, spread of the Spanish language through these means, geography of Spain and Latin America; Latin Music - key instruments in Latin and Spanish music, explore salsa, bachata, rock, merengue, rumba, tango, reggaetón, pop, mariachi, flamenco, cumbia, tejano and more, multi-genre project on favorite musical genre and artist which includes Spanish and English elements. Create playlists, album art, event posters, tickets, social media pages and written compositions about a favorite musical genre and artist; literature - explore poetry and literature from the Spanish speaking world; current Events, Issues and Traditions in the Spanish Speaking World - explore practices, products and perspectives of the Spanish speaking population in the US and abroad. Compare and contrast these practices, products and perspectives with our own.

For a detailed list of topics of study, activities and themes, please visit the [Spanish IV](#) course description on the school website.

## HEALTH AND PHYSICAL EDUCATION

### Health

Credit: 1/2  
Semesters: 1

Topics included in this course are appearance, behavior, emotions and health, mental mechanics, mental-emotional disorders, alcohol, tobacco and drug abuse, bone, muscles, sex education, first aid, and nutrition.

Special Projects: Outlines and notebooks/projects and role play situations, Journals/self-logs

### Physical Education I

Credit: .25  
Semesters: 1

This course will focus upon conditioning, calisthenics, running, rope jumping, relays, contests, touch football, kickball, wiffle ball, kick soccer, basketball, volleyball, the decathlon and weight training. Team games with an emphasis on sportsmanship, cooperation, and attitude.

Special Projects: "Participation" course and self-testing activities and fitness assessment.

### Physical Education II

Credit: .25  
Semesters: 1

*Prerequisite: Successful completion of Physical Education I*

This course will continue to develop students skills in fitness, conditioning, calisthenics, running, rope jumping, relays, contests, touch football, kickball, wiffle ball, kick soccer, basketball, volleyball, the decathlon and lifetime sports, and weight training.

Special Projects: "Participation" course and self-testing activities, and fitness assessment.

**Wellness I-III (Gr. 10-12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

The knowledge and skills learned in this class will help students improve their overall wellness (including physical, social and emotional wellbeing) and focus on their endeavor of lifetime wellness. Mental and social topics pertaining to teenage issues will be discussed. Decision-making and goal-setting are life skills that will be developed. This course will also enable students to assess and manage their own levels of both physical and mental health, while increasing their knowledge of the basic components of fitness. Students will be able to design and implement their own individualized wellness programs utilizing the newest techniques in the fitness and wellness industry. Students will also understand the imperative relationship between fitness and nutrition and will be able to create and manage their own nutrition plans.

**Varsity Physical Education I and II (Gr. 11 and 12)**

Credit: .25  
Semesters: 1

*Prerequisite: Physical Education I and II*

This course will apply the use of lifetime sports to enhance physical fitness. Students will engage in individual and team sports, such as volleyball, basketball, badminton, soccer, weight training, kickball, cornhole, ultimate frisbee, wiffleball, and flag football. Advanced skills will be enhanced during games of competitive play.

## INDUSTRIAL TECHNOLOGY

**Robotics I and II (Grades 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: None*

Robotics is a STEM based course.

Working in teams, students build fully functioning robots, use motors and sensors to control them, and program them using 21st century language and necessary skills that are used widely in the robotics/STEM industry. As they work with the latest in educational robotics, students apply basic principles of algebra and geometry while learning about force, speed, power, simple machines, complex mechanisms, coordinate systems, measuring, and more. Using the latest educational robotics and other available materials, students learn the basics of building a robot and then stretch their imaginations to design remote-controlled robots that do a variety of required motions, actions, and more.

## MATHEMATICS

**Algebra I**

Credit: 1  
Semesters: 2

Concepts are taught at a level appropriate for students demonstrating an aptitude for STEM related careers. Concepts taught include: Relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions with modeling.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

**Geometry**

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Algebra I*

Concepts are taught at a level appropriate for students demonstrating an aptitude for STEM related careers. Concepts taught include: Congruence, proof, and constructions, similarity, proof and trigonometry, extending to three dimensions, connecting algebra and geometry through coordinates, circles with and without coordinates, applications of probability.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

### **Integrated Math III**

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Algebra and Geometry*

Concepts introduced are taught at an informal level to those students not planning on enrolling in college math. Topics include: properties of real numbers, linear equations, functions and polynomials, factoring, quadratic, exponential and logarithmic functions, probability and trigonometry.

### **Algebra II**

Credit: 1  
Semesters: 2

*Prerequisite: Successful completion of Algebra I and Geometry*

Concepts are taught at a level appropriate for students demonstrating an aptitude for STEM related careers. Concepts taught include: Polynomial, rational and radical relationships, trigonometry functions, modeling with functions, inferences and conclusions from data.

### **Pre - Calculus**

Credit: 1  
Semesters: 2

*Prerequisite: Algebra II and a recommended grade of "B" or above.*

Concepts are taught at a level appropriate for students interested in pursuing STEM related careers. Concepts taught include: In-depth study of functions, graphing complex polynomial and rational functions, logarithmic and exponential functions, in-depth look at trigonometry (including graphs, identities, law of sines and cosines), sequences, series and probability.

### **Calculus/ AP Calculus**

Credit: 1  
Semesters: 2

*Prerequisite: Recommended grade of "B" or above in Pre-Calculus.*

This is a college level course which means it can be taken for both high school credit with the option to take the AP Calculus Exam (students are responsible for the cost of the test) for college credit in most colleges and/or universities. Test dates and information will be distributed at the beginning of the course.

Concepts are taught at a level appropriate for students interested in pursuing STEM related careers. The curriculum of this course has been aligned with the curriculum established by the College Board. Concepts taught include: functions, limits, derivatives, applications of derivatives, integrals, and applications of integrals.

### **Statistics/AP Statistics (Grades 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: Have passed Algebra II with a B.*

This is a college level course which means it can be taken for both high school credit with the option to take the AP Statistics Exam (students are responsible for the cost of the test) for college credit in most colleges and/or universities. Test dates and information will be distributed at the beginning of the course.

Concepts are taught at a level appropriate for students interested in pursuing STEM or business related careers. The curriculum of this course has been aligned with the curriculum established by the College Board. Concepts taught include: background on statistics, distributions, graphs, data descriptions, probability, counting rules, probability distributions, normal distributions, sample size, intervals, hypothesis testing, correlations and regressions.

## MUSIC

### Choir I-IV

Credit: 1  
Semesters: 2

Students enrolled in choir will begin a study of vocal literature through the performance of various types of choral music. Concepts addressed in choral rehearsals include the fundamentals of proper singing, melody, rhythm, harmony, form, dynamics, tempo, foreign language, and expression through movement, stage presence, and concert etiquette. Choir is a performance-based class, so rehearsals are geared toward various performances throughout the year. The Lowellville High School Choir performs at music department concerts, sporting events, school assemblies, and community functions. In choir, the art of music is learned, expressed, and appreciated through the performance of music from different historical periods in a variety of musical styles.

Special Projects: When possible, choir trips. Students can choose to participate in a variety of "extra" activities, including solo and ensemble contest and honors choir

### Instrumental Music (Band) I-IV

Credit: 1  
Semesters: 2

*Prerequisite: Previous band experience or recommendation of instructor*

Students enrolled in Band I – IV will advance their study of instrumental music while performing in a variety of settings. Emphasis is placed on moving beyond the notes and rhythms and addressing musical elements such as style, balance, blend, intonation, dynamics, expression, tonality, form, stage presence, and concert etiquette. Attention will be given to major and minor scales and arpeggios. Students will gain exposure to music from a variety of styles and historical periods by performing in ensembles such as a marching band, concert band, jazz band, and pep band. The Lowellville High School Band has a very active performance schedule.

Special Projects: When possible, band trips. Students can choose to participate in a variety of "extra" activities, including pep band, solo and ensemble contest, and honors bands.

### History of Rock and Roll (Grades 10-12)

Credit: 1  
Semesters: 2

*Prerequisite: None; students do not need to be in Band*

The History of Rock and Roll examines the evolution of popular music in America from the early 20th century to the present. Genres to be discussed include, but are not limited to: blues, gospel, jazz, country, r&b, soul, rock, metal, punk, hip hop, and other niche styles. Listening to musical examples is an integral part of this study. Class discussion will be encouraged, and material may be presented in a combination of traditional and online settings. The course will culminate with a field trip to the Rock n Roll Hall of Fame and Museum in Cleveland.

There is no prerequisite for this course, and students do not need a background in music to enroll.

*Course will be offered every other year, alternating with AP Music Theory every other year (For example, History of Rock and Roll will be offered in 2023-2024, and AP Music Theory in 2024-2025).*

**AP Music Theory (Grades 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: Completion of at least one year of high school band/choir or the recommendation of the instructor.*

AP Music Theory provides students with an in-depth study of the fundamentals of music. Through class discussion, analysis of musical examples, refinement of aural skills, and composing/arranging, students will explore the elements of music as they relate to melody, the function of harmony, and the structure of form. Technology is an important component of this course, and it will be integrated into daily lessons and activities.

*Course will be offered every other year, alternating with History of Rock and Roll every other year (For example, History of Rock and Roll will be offered in 2023-2024, and AP Music Theory in 2024-2025).*

## SCIENCE

**Physical Science (Grade 9)**

Credit: 1  
Semesters: 2

This introductory physical science course includes an exploration of scientific skills, basics of forces, motion and energy, properties of matter and working with the periodic table and chemical reactions. A history of the development of scientific theories will also be discussed. The Earth and Space Science portion of the class explores the complex cycles found within the planet's land, water and atmospheric layers such as plate tectonics. Additionally, a study of the universe, objects within the solar system and the forces among them is included.

**CCP Principles of Biology I (Bio114) (Grade 10, 11, 12)**

1 HS Credit/4 College Sem. Hours  
Semesters: 1

This course considers the cellular level of biological organization. Topics include the chemical and physical foundations of life, structure and function of cells, cellular organelles, bioenergetics, metabolism, photosynthesis, biosynthesis, cell division and growth, information coding and transfer, and basic Mendelian and population genetics.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

**CCP Principles of Biology II (Bio115) (Grade 10, 11, 12)**

1 HS Credit/4 College Sem. Hours  
Semesters: 1

This course addresses the biology of organisms, both plants and animals. The course will emphasize the evolutionary history of life, plant and animal diversity, the present ecological adaptations of species, and relationships among populations in various environments.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

**Biology (Grade 10)**

Credit: 1  
Semesters: 2

*Prerequisite: Physical Science*

This course emphasizes the central biological concepts of life including chemistry of living things, cell structure and function, genetics, change and diversity, microbiology, and ecology. This laboratory course is aimed toward a general understanding of living systems and their environments.

**\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.**

**Environmental Science (Grade 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: Biology*

This course emphasizes the application of biological, chemical and ecological principles to environmental issues. Concepts including pollution, waste management, recycling, endangered species (biodiversity), interdependence of ecosystems, population control, mining and energy consumption will be explored.

**Chemistry (Grade 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: Algebra I and Physical Science*

This is a general chemistry course that has a laboratory component. This course is designed as an academic science elective for all college bound students. Among the topics covered are safety, laboratory equipment, matter, periodic table, compounds, reactions, equations, bonding, stoichiometry, acids, bases and pH, oxidation/reduction and nuclear chemistry.

**Chemistry 2**

Credit: .5  
Semesters: 1

*Prerequisite: Chemistry 1*

To provide additional support for students studying college chemistry, classroom lecture will consist of nomenclature review, stoichiometry review, hydrocarbons: alkenes, alkynes and functional groups, energy change and entropy, acid/base review with titrations. Laboratory experiences will focus on design, data collection and analysis and the preparation of reports.

**Anatomy and Physiology (Grade 11 and 12)**

Credit: 1  
Semesters: 2

*Prerequisite: Biology*

This is an academic science elective for college bound students interested in a life science major. The topics covered are the human body systems. The laboratory portion of this course consists of the dissection of the dogfish shark, sheep brain, heart, eyeball and the fetal pig.

**Physics (Gr. 12)**

Credit: 1  
Semesters: 2

*Prerequisite: Pre-Calculus or concurrent/ Senior grade level*

This is an academic science elective for college bound students. The topics covered are motion both in one and two-dimensions, circular and gravitational motion, vectors, forces, work, energy, momentum, collisions, fluid mechanics, heat, waves, sound, light, electricity and magnetism. The laboratory portion of this course consists of experiments supportive of the classroom topics. Also, students will build projects that will go to competition at YSU's Physics Olympics in February.

## SOCIAL STUDIES

### **World History (Grade 9)**

Credit: 1  
Semesters: 2

*No prerequisite required.*

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.

The following units will be studied: Enlightenment Ideas, Industrialization, Imperialism, World War I, Russian Revolution, World War II, 20<sup>th</sup> Century Conflicts, the Cold War, and Globalization.

### **American History from 1877 to present (Grade 10)**

Credit: 1  
Semesters: 2

This is a tenth grade course that covers content from post-Civil War Reconstruction to present day. Topics include: Reconstruction, the rise of American industry, settlement of the west, the Progressive Era, urbanization and its associated problems, immigration, American imperialism, the United States as a world power, World War I, World War II, the Great Depression, the Cold War, the Civil Rights Movement, political and social change from the 1950's to present day, terrorism, and the role of America in the 21st century.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

### **American Government (Grade 11)**

Credit: 1  
Semesters: 2

Eleventh grade students study the origins of government as well as contemporary issues related to our political system in the United States. This course will cover such topics as: foundations of American government, political behavior including voting and the electoral process, responsibilities and powers of the legislative, executive, and judicial branches, examination of civil liberties and individual freedoms, study of American domestic and foreign policy, and the role of state and local governments in a federal system.

*\*\*For graduating classes of 2020 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.*

### **Financial Literacy (formerly Economics) (Grade 12)**

Credit: 1/2  
Semesters: 1

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy needs and wants. Basic concepts of economics and the role of the government in the economy will be a focus for learning. The course will also examine the global economy including topics such as interdependence, tariffs, comparative advantage, and trade agreements. Additionally, students will receive instruction in personal financial literacy in order to give them the knowledge and skills to effectively manage their own resources for a lifetime of financial security. Students will develop the ability to read, analyze, manage and communicate about personal financial conditions that affect one's material well-being. This includes the ability to discern financial choices, discuss money and financial issues, plan for the future and respond completely to life events that affect everyday financial decisions, including events in the general economy. Topics will include working and earning, financial responsibility and money management, saving and investing, credit and debt, risk management.



**Global Studies (Grade 12)**Credit: 1/2  
Semesters: 1

Global Studies is a senior level course designed to examine the origins and development of domestic and foreign economic, social and political problems that confront the world today. Subject matter may be adjusted as necessary to reflect current events as they happen. General topics include: terrorism and international security, nuclear-proliferation, trade and conflict in Asia, Africa in crisis, the politics of the Middle East, global poverty and human rights, and environmental issues.

**Introduction to Psychology (Grades 11 and 12)**Credit: 1/2  
Semester: 1*Prerequisite: None*

This course is designed to introduce high school students to the science of human behavior and to help them gain a broad view of the study of various mental processes of human beings and other animals. Students will acquire knowledge of basic psychological principles, methods, and phenomena associated with each of the major fields of psychology. Students will also learn about the ethics and methods psychologists use in their practice and research. Nearly every higher level educational institution (community college or four year university) requires students to take an *Introduction to Psychology* course regardless of major so this class is a great tool to prepare students for college.

**You and the Law (Grades 11 and 12)**Credit: 1/2  
Semester: 1*Prerequisite: None*

This course will provide students with an opportunity to examine aspects of and issues involving criminal law, civil and tort law, consumer protection laws, and family law. Students will increase their practical understanding of how these areas of law affect both individuals and society in general. As a result, students will be able to make increasingly informed judgments and decisions on issues and problems arising from the operation of the legal and justice systems.

**Introduction to Anthropology (Grades 11 and 12)**Credit: 1/2  
Semester: 1*Prerequisite: None*

A comprehensive study of humankind, the course will survey and organize the evidence of our biological and cultural evolution. This course covers topics such as economic systems, population dynamics, kinship, political systems, religion, as well as globalization, power relations and ethics. It will explore the unity and diversity of human cultural behavior as exemplified in the widest variations in which this behavior has manifested. Anthropology studies where people come from, who they are, what they do, and why they do it.

**MAHONING COUNTY C.T.C. MISSION STATEMENT**

The mission of the Mahoning County Career & Technical Center School is to provide quality programs and services to meet the lifelong career education needs of Ohio's youth and adults as well as the ever-changing demands of the present and future workplace.

**Mahoning County Career & Technical Programs**

The Mahoning County CTC serves the students of Lowellville High School. MCCTC offers one and two year programs to prepare students for a minimum of an entry-level career upon graduation from high school. Students from Lowellville may attend the CTC as a part-time or full-time student. Part-time students attend career and technical labs only. Full time career students may earn up to seven and one-half credits per year at MCCTC and will graduate from Lowellville with career and technical certification from MCCTC.

Full-time career students, in addition to their career lab, will be scheduled into MCCTC academic classes. These classes meet the necessary junior/senior requirements for graduation. Besides offering rigorous academic programs, depending on the student's academic record, additional advanced academic options may be available through Tech Prep or Post Secondary Options.

The academic schedule is as follows. There are slight variations in program requirements depending on the career option:

Year 1		Year 2	
Career Lab	3 ½ credits	Career Lab	3 ½ credits
English 11	1.0 credits	English 12	1.0 credit
Math	1.0 credit	Math	1.0 credit
Science	1.0 credit	Science	1.0 credit
		Social Studies	1.0 credit

English Options: College Prep 11 and College Prep 12

Math Options: 2 levels of Algebra I, Algebra II, 2 levels of Geometry, and Pre-Calculus and Intermediate Algebra/Geometry and Computer Literacy

Science Options: Energy Concepts I (Physical), Energy Concepts II (Biological), Biology, Anatomy & Physiology, Chemistry, Physics, Forensic Science, Astronomy

Social Studies Options: World History, American History, Government, Economics (.5 credit), Geography (.5 credit), Sociology (.5 credit), Psychology (.5 credit)