

LOWELLVILLE HIGH SCHOOL

2017 -2018

Grades 9-12 Course Description Catalog

TABLE OF CONTENTS

	Page
Goal of the District and Purpose of this Booklet	2
Graduation Requirements	3-4
Grades	4-5
Grade Point Average	5
Rank in Class	5
Valedictorian/Salutatorian	6
Honor Roll	6
College Credit Plus Enrollment	6
National Honor Society	7
Criteria for Awarding a Diploma with Honors	7-8
Athletic Eligibility	8
Withdrawal from Class after School has Begun	9
Course Descriptions	
Art	10
Business Education	11-12
English Language Arts	13-19
Foreign Language	19-24
Health and Physical Education	24-25
Industrial Technology	25-26
Mathematics	27-29
Music	29-32
Science	32-34
Social Studies	34-36
Mahoning County CTC Mission Statement	37
Mahoning County Career and Technical Programs	37

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

STUDENTS AND PARENTS

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

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 counselor to look at scheduling options for your child, please contact Mrs. Calderon at ext. 179 or e.calderon@lowellvilleschool.org.**

WHAT SHALL WE TAKE TODAY?

Because today's students must meet the challenges of the 21st 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.

CLASS SCHEDULES

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.

* 2 ½ study halls may be permitted if necessary at the discretion of the administration.

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

GRADUATION REQUIREMENTS

(21 credits for Lowellville and Mahoning County Career & Technical Center students)

LOWELLVILLE HIGH SCHOOL

1. 4 credits of English
2. 4 credits of Social Studies including
 - 1 credit of World History
 - 1 credit of American History
 - 1 credit of American Government
 - ½ credit of Economics
 - ½ credit of Global Studies
3. 3 units of Science including
 - 1 credit of Life Science
 - 1 credit of Physical Science
 - 1 credit of advance study
4. 4 credits of Mathematics
5. ½ credit of Health
6. ½ credit of Physical Education
7. ½ credit of Integrated Computer Applications
8. 4.5 credits of electives which must include one (1) credit from the areas of Business Technology, Fine Arts and/or Foreign Language.

MAHONING COUNTY CAREER & TECHNICAL CENTER

1. 4 credits of English
2. 3 credits of Social Studies including
 - 1 credits of American History
 - 1 credits of World History
 - 1 credits of Government
3. 3 credits of Science
4. 4 credits of Mathematics
5. ½ credits of Physical Education
6. ½ credits of Health

The Lowellville Board of Education and the Ohio Department of Education have issued the following minimum requirements for graduation:

- Grade 9 Physical Education, Health, Integrated Computer Applications, English, World History, Mathematics, 1 Elective or 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, Economics, Mathematics, Global Studies, and 4 Electives (Students at MCCTC do not have to take Economics, Global Studies, 1 Elective or 1 Foreign Language)

STATE TESTING REQUIREMENTS FOR GRADUATION

For the classes of 2018 and beyond, students must take an End of Course (EOC) exam in the following subjects:

- Algebra I, Geometry
- English Language Arts I, English Language Arts II
- Physical Science (class of 2018 only), Biology
- American History and American Government

Students must earn a total of **at least** 18 points.

4 points minimum in English

4 points minimum in Mathematics

6 points minimum in Science/Social Studies

**Note- the class of 2018 will be able to choose which of their points from one of the Science exams (either Physical Science or Biology) will be included in their graduation points.*

GRADES

A	Superior Performance	4 points
B	Strong Performance	3 points
C	Satisfactory Performance	2 points
D	Minimum Performance	1 points
F	Very Poor Performance	0 points
*WP	Withdraw Passing	0 points
*WF	Withdraw Failing	0 points, figured in GPA
I	Incomplete; work must be completed as arranged by instructor or grade becomes F	

* To be determined by counselor and administration

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

Semester exams will be given. They will reflect a fraction of your final grade. In determining final grades, the following scale will be followed when averaging nine-week grades and semester exam grades:

A	3.51 - 4.00	A	93 - 100
B	2.51 - 3.50	B	85 - 92
C	1.51 - 2.50	C	75 - 84
D	.51 - 1.50	D	65 - 74
F	.00 - .50	F	64 - Below

Students must take final exams for those courses in which an exam is given if they are to receive credit for that course. Students failing the second semester of a two-semester course shall fail the course regardless of the first semester grade.

GRADE POINT AVERAGE

1. 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.
2. 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.
3. Grade points will be assigned to courses as follows:
A = 4; B = 3; C = 2; D = 1; F = 0
4. Grade point average will be determined by dividing the total academic points earned by the total credits attempted.
5. Grade point average will be computed to three decimal places.

RANK IN CLASS

1. All graduating seniors will be assigned a rank in class.
2. 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.
3. 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.
4. Rank in class will be shown on official transcripts.
5. Grades for students enrolled in College Credit Plus courses will be included in their GPA.

Valedictorian/Salutatorian (Class of 2018 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, and the following:

4 Credits of English including Advanced II, III and IV

5 Credits Math including Calculus

4 Credits of Science including Physical Science, Biology, and Physics and at least 1 of the following: Anatomy and Physiology or Chemistry (*If students were exempt from Physical Science they will need to take another science in place of it.*)

4 Credits of Social Studies including World History, U.S. History, Government, and Global/Economics

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.

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 February 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.

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 25 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.

CRITERIA FOR AWARDING A DIPLOMA WITH HONORS

**Note- The Ohio Department of Education is currently revising the criteria for receiving a Diploma with Honors. Once ODE releases the official approved document the course catalog will be updated.*

(I) To be awarded a diploma with honors beginning Sept. 15, 2010, the student shall be required to meet at least all but one of the criteria listed in this paragraph for either the more rigorous high school academic or career-technical education curriculum. The criteria listed in this paragraph will replace the criteria established in paragraph (H) from that date forward. A student shall not be required to meet more than the specified number of criteria, nor shall any student be required to meet any one specified criterion. Any student who receives high school credit for a course in accordance with the provisions of paragraph (B) of rule 3301-44-06 of the Administrative Code (postsecondary enrollment options) or in accordance with the provisions of division (G) of section 3313.603 of the Revised Code (credit for advanced work below ninth grade) shall receive credit for the course toward the requirements of this paragraph provided the course is related to a subject area listed in this paragraph.

(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 which shall include algebra I, algebra II, geometry, and another higher level course or a four-year sequence of courses which contains equivalent content;
 - (c) Earn at least four units of science including one unit of physics and one unit of chemistry;
 - (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 ten on the college board's SAT verbal and mathematics sections (excluding the required writing section).
- (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 four units of English;
 - (b) Earn at least four units of mathematics which shall include algebra I, algebra II, geometry, and another higher level course or a four-year sequence of courses which contains equivalent content;
 - (c) Earn at least four units of science including one unit of physics and one unit of chemistry;
 - (d) Earn four units of social studies;
 - (e) Earn four units in a career-technical education program that leads to an industry recognized credential, results in an apprenticeship, or is part of an articulated career pathway which can lead to post secondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent;
 - (f) Achieve the proficiency benchmark established for the Ohio career-technical competency assessment available at http://www.webxam.org/info_docs.asp * or an equivalent assessment aligned with state-approved and industry validated technical standards;
- * Additional content is available at education.ohio.gov, keyword search: *OCTCA*.
- (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 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).

ATHLETIC ELIGIBILITY

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

- Athlete must carry a 1.0 GPA
- Athlete must pass five credits of OHSAA eligibility standards
- Athlete is permitted to receive one failing grade
- An athlete receiving two failing grades in any one grading period is ineligible
- Eligibility is based on the nine week grades
- *8TH GRADERS GOING TO NINTH GRADE MUST PASS 75% OF THEIR 4TH NINE WEEKS COURSE WORK TO BE ELIGIBLE (THIS IS ALSO MANDATORY FOR 7TH GRADERS GOING TO 8TH)*
- In order to understand how College Credit Plus courses are factored into athletic eligibility, please refer to OHSAA at https://www.ohiohighered.org/sites/ohiohighered.org/files/uploads/CCP/OHSAA_2015-16_Eligibility-Card_040115.pdf

WITHDRAWAL FROM CLASS AFTER SCHOOL HAS BEGUN

1. For permission to be granted, 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.
4. The principal must grant permission for withdrawal after the class has met for two full weeks. Very few will be granted.
5. The counselor and/or principal may request a conference or contact parents prior to any changes in schedule.
6. **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

ART

Art I

Credit: 1
Semesters: 2

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 - 12)

Credit: 1
Semesters: 2

Students will journalize transactions, post to ledgers, perform worksheet analysis, prepare financial statements complete payroll forms, and write checks with regard to accounting principles for a sole proprietorship and partnership. Some corporate accounting practices will be introduced. We will take a field trip to Youngstown State University for *Business 2020* and/or a financial literacy workshop in the spring.

Special Assignments: Reinforcement Activities, Online Applications
corresponding to the textbook, and a culminating Business Simulation
Microsoft Excel computer applications

Word Processing I (Grades 9-12)

Credit: 1
Semesters: 2

This course will cover keyboard letters, numbers, and symbols, improving technique and basic skills, reading/keyboard response patterns, business applications, formatting, document processing, completing integrated office projects, and speed development. The computer lab has Dell computers. Students use Microsoft Office software applications and Google applications.

Special Assignments: Practice Sets
Simulations

Word Processing II (Grades 10-12)

Credit: 1
Semesters: 2

Prerequisite: Successful completion of Word Processing I

This course will cover letter production, table, business form, report production, integrated office projects, and speed development. The computer lab has Dell Computers. Students use Microsoft Office software applications and Google applications.

Special Assignments: Simulations

Office Specialist Certification (Grades 10-12)

Credit: 1
Semesters: 2

This course will cover the skills needed to get the most out of Office by earning a Microsoft Office Specialist (MOS) certification in the following programs: Word, Excel, PowerPoint, and Access. 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.

Integrated Computer Applications (Grade 9)

Credit: 1/2
Semesters: 1

This course will cover computer terminology and a variety of computer applications such as word processing, spreadsheets, database, presentation graphics, desktop publishing and Internet applications. Students will use Dell computers for instruction in Microsoft Word, Excel, Access, PowerPoint, and Publisher, Google applications will also be covered.

Career Development (Grades 11-12)

Credit: 1
Semesters: 2

This is a full-year course developed for students focusing and preparing for a career/college readiness. This course acts as a guide for the student developing self-awareness through self-assessments; preparing and gaining knowledge of colleges, courses, and curriculums; acknowledging career trends, awareness, success and growth; understanding the workplace; how to apply for a job and successful job interviewing; and college/career terminology. Various career guest speakers and college admission representatives will be scheduled to visit during our class.

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

ENGLISH LANGUAGE ARTS

English 1

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 citation 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.

*****For graduating classes of 2018 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.***

*****For any 9th grade student taking Writing I or II as a CCP student, he or she must take the English I End of Course Exam when it is offered at Lowellville.***

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 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 citation 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 2018 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 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 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 citation 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 2018 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 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.

ACT Prep (Grades 10-12)

Credit: 1/2
Semesters: 1

This course will teach students the outline of the ACT test including the sections, time involved in each section, rules for each section, and tips to successfully complete each section. The majority of the focus will be on English, Reading, and Writing, but students will practice all portions of the test in order to prepare. Although the class will mostly focus on the English Language Arts portion, there will also be a periodic focus on the Math section taught by a Math teacher.

Journalism / Rocketeer Newspaper (Grades 9-12)

Credit: 1
Semesters: 2

Prerequisite: A or B in Language Arts

This course will allow students to create an online student newspaper. The students' main goal is to produce a high quality online student newspaper for the student body and community. The students will work as a team in putting out a student publication while using responsibility in reporting. Students will write original news, features, sports, arts/entertainment, editorials, and captions while using both basic and advanced photography skills. Students will learn layout and design of an online newspaper while meeting ALL deadlines ON TIME! Since this is a student driven newspaper, the students will plan story assignments, conduct interviews with individuals, and attend school events for reporting as needed.

Film Study (Grades 10-12)

Credit: 1
Semester: 2

The objective of Film Studies is to explore various films historically, theoretically, and analytically in order to understand how genres change over time and how various directors evolve over the course of their works. 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, examining how props, costumes, lighting, special effects, and music add to film, and examining film with respect to authorship, setting, character, theme, plot, and symbolism. Students will participate in class discussions, informal responses, class projects, analytical papers, individual speeches, and formal presentations by developing a more meaningful relationship with classic film.

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, PG13, and R.

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.

Spanish I

Credit: 1
Semesters: 2

In Spanish I, we 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.

We 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, we 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.

We 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, we 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.

We 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
Semester: 2

Prerequisite: Successful completion of Spanish III

In Spanish IV, we 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.

We 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
Journal/self-log

Physical Education I

Credit: 1/4
Semesters: 1

This course will focus upon conditioning, calisthenics, running, rope jumping, relays, contests, touch football, kickball, whiffle 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: 1/4
Semesters: 1

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

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

Fitness for Life

Credit: 1/4

Semesters: 1

This course will enable students to assess and manage their own levels of fitness, while increasing their knowledge of the basic components of fitness: flexibility, muscular strength, cardiovascular endurance, muscular endurance and body composition. Students will be able to design and implement their own individualized fitness programs utilizing the newest techniques in the fitness industry. Students will also understand the imperative relationship between fitness and nutrition and will be able to create and manage their own nutrition plans. The knowledge and skills learned in this class will help students improve their overall wellness and focus on their endeavor of lifetime fitness.

INDUSTRIAL TECHNOLOGY

Computer Assisted Design I (CAD I)

Credit: 1

Semesters: 2

Prerequisite: Prior experience with Microsoft Windows is helpful but not required

This course introduces the student to computer-aided design/drafting with AutoCAD LT. The AutoCAD LT topics covered in this Level I Course include AutoCAD LT graphics and text windows, user interface, drawing setup parameters, rectangular and polar coordinate entry, 2D geometric objects and line types, object snaps, selection sets, X and Y coordinate filters, display control functions, text creation, 2D editing commands, and inquiry commands.

Computer Assisted Design II (CAD II)

Credit: 1

Semesters: 2

Prerequisite: Successful Completion of CAD I or equivalent experience

Designed to build on the skills acquired in the AutoCAD LT Level I class. This course introduces the student to both basic and advanced dimensioning and crosshatching techniques with AutoCAD LT. The AutoCAD LT topics covered in this Level II course include dimensioning variables, hatching options, paper space layouts and plotting, blocks, attributes, and external references.

Introduction to Technology – Grade 9

Credit: 1/2
Semesters: 1

Students will be introduced to a 10-hour course on the following career tech Opportunities: Automotive, Hydraulics, Basic Electric, Industrial Control, Computer-Aided Design, Biomedical, Mechanisms, Digital Photography, and CNC Milling. These learning modules are designed to stimulate an interest and give an understanding of what course of study students may want to develop at Lowellville High School or MCCTC.

Career Based Intervention (Grades 9-12)

Credit: 1
Semesters: 2

This course is designed to serve students in grades 9-12 who may need additional encouragement to finish their high school education. This program is aimed specifically at helping youth to become reoriented and motivated toward education and exposed to career exploration and the world of work. The instructor of this course will be responsible for placing the students in a work experience setting. The teacher will identify the work setting, coordinate and give general supervision to the student working under the direct supervision of the work sponsors. He/she will coordinate students' on-the-job experiences and counsel with the work sponsors in helping to develop good student work habits and work performance. The work sponsor and the teacher coordinator will both be concerned with the evaluation of student progress.

This course must be taken concurrently with Occupational Job Training (OJT) . Occupational Job Training is worth 2 credits.

Industrial Technology I

Credit: 1
Semesters: 2

Students will study Automotive, Hydraulics, Basic Electric, Industrial Control, Computer-Aided Design, Biomedical Mechanisms, Digital Photography, and CNC Milling.

Robotics (Grades 11-12)

Credit: 1
Semester: 2

Robotics is a STEM based course.

Participants must be enrolled in either a pre - approved advanced Math or Science course.

MATHEMATICS

Basic Algebra I

Credit: 1
Semesters: 2

Prerequisite: 8th grade mathematics

Concepts introduced are taught at a level for those students not pursuing a STEM related career. 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 2018 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.***

Basic Geometry

Credit: 1
Semesters: 2

Prerequisite: Basic Algebra I

Concepts introduced are taught at a level for those students not pursuing a STEM related career. 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 2018 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.***

Basic Algebra II

Credit: 1
Semesters: 2

Prerequisite: Basic Geometry

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

Algebra I

Credit: 1
Semesters: 2

Prerequisite: Recommended grade of "C" or above in 8th grade Math.

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 2018 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: 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 2018 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.***

Algebra II

Credit: 1
Semesters: 2

Prerequisite: 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.

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- 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.

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 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 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: 1/2
Semesters: 1

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 setting. 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 beginning with the 2017-2018 school year. (Example: offered 2019-2020 and 2021-2022). This course will be a semester course offered the 2nd semester of the school year.

Jazz Improvisation (Grades 10-12)

Credit: 1/2

Semesters: 1

Prerequisite: Students must be able to play a musical instrument at a basic proficiency level. The musical instrument does not have to be a traditional jazz instrument. Acceptable instruments include: any band instrument, piano, guitar, bass.

Students will be exposed to the idiom of jazz through discussion, listening, playing, and performing. Students will learn the stylistic differences of the varying genres of jazz music, and they will practice the nuances necessary to perform in each style. Simultaneously, students will learn the art of improvisation. Improvisation is a skill that is developed over time, so methods and strategies will be discussed to begin the process. Method books will be used as an instructional aide.

Course will be offered every other year beginning with the 2017-2018 school year. (Example: offered 2019-2020 and 2021-2022). This course will be a semester course offered the 1st semester of the school year.

Music Theory I (Grades 10-12)

Credit: 1

Semesters: 2

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

Music theory involves an in-depth study of the fundamentals of music. Music will be studied at its most basic level. Concepts to be discussed include intervals, scales, Modes, melody, harmony, counterpoint, rhythm, meter, form, and analysis. Ear training is a fundamental aspect of music theory. Students will learn to compose their own melodies and musical works. Students will use the computer as a compositional aid.

Course will be offered every other year beginning in 2018-2019 (will continue 2020-2021 and 2022-2023).

Music Theory II (Grade 12)

Credit: 1
Semesters: 2

Prerequisite: Completion of Music Theory I

Music theory II will continue where Music Theory ended. Basic skills and concepts introduced in Music Theory I will be briefly reviewed. Music Theory II students will be introduced to two, three, and four part writing. Students will analyze the harmonies and forms of various musical excerpts, and compose their own original works. Students will also transpose and arrange various musical excerpts.

Course will be offered every other year beginning in 2018-2019 (will continue 2020-2021 and 2022-2023).

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.

Biology (Grades 9-10)

Credit: 1
Semesters: 2

*Prerequisite: Physical Science or (**for Freshmen**- Students must earn a **Final Cumulative grade of an A** in 8th grade Science. This grade is comprised of all 4 quarters, the midterm, and the final grade. Students must maintain good behavior throughout their 8th grade year. Any student who is **Suspended out of school** during his/her 8th grade year may be disqualified from taking Biology in 9th grade. Students must earn a **Minimum Score of Proficient** on the 8th grade Science State Standardized Assessment.)*

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 2018 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.***

Environmental Science

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

Credit: 1
Semesters: 2

Prerequisite: Algebra I and Biology

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.

Anatomy and Physiology

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

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

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, 20th Century Conflicts, the Cold War, and Globalization.

American History from 1877 to present

Credit: 1

Semesters: 2

No prerequisite required.

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 2018 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.***

American Government

Credit: 1
Semesters: 2

No prerequisite required.

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 2018 and beyond, an End of Course Exam is required for this class by the state of Ohio for graduation.***

Economics

Credit: 1/2
Semesters: 1

Economics is a senior level course designed to teach students basic elements of micro and macroeconomics. This course will examine the free enterprise system, laws of supply and demand, markets, capital, global exchange and the role of government in economics. Students will discuss and evaluate economic interactions among individuals, governments, businesses, and communities within domestic and international contexts. There will be an additional focus on personal financial literacy including the acquisition and use of credit, insurance, budgeting, and the banking system.

Global Studies

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 11,12)

Credit: 1/2
Semester: 1

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

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.

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:

<u>1st Year</u>		<u>2nd Year</u>	
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)			