

**Leetonia Exempted Village School District**

**2024-2025**

**High School**

**Program of Studies**



**450 Walnut Street  
Leetonia, OH 44431  
(330) 427- 6594**

Dear Students,

This 2024-2025 Program of Studies is designed to acquaint you with the various programs and courses offered at Leetonia High School. There are many options to consider when planning your personal schedule. Many opportunities exist across the curriculum from required courses in core academic areas to a variety of electives. Whether your future plans include college, the world of work, or the military, we have a program to match your needs. Please consider your schedule very carefully. Good planning and course selection in the beginning of the scheduling process will help in our efforts to give you the priorities you choose. While every effort will be made to provide you the courses you select no guarantees can be made. Be sure to include your parents and your counselor in all decisions concerning your schedule. As you plan for next year, read this information carefully. Ask questions and take a serious look at your educational goals. Please take advantage of the opportunities you have now to bring you greater success in the future!

Sincerely,

*Timothy Fairfield*

Timothy Fairfield

Principal

#### **Non Discrimination Statement (Title IX)**

All of the courses, programs, and activities presented in this booklet are open to all students without regard to race, color, national origin, sex, or disability. This policy meets all requirements and directions of the U.S. Department of Education under Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973.

# CURRICULUM & INSTRUCTIONAL PHILOSOPHY

The Leetonia Exempted Village School District curriculum and instructional design is grounded in the belief that the focus for all teaching and learning is focused on the student. In order to grow and develop independent student learners who are able to problem solve, think critically, and communicate in a rapidly changing society, we believe that it is our duty to provide students with meaningful learning experiences embedded within our curriculum.

As a means to cultivate independent learners, our goals are to align our curriculum with Ohio's Learning Standards. Additionally, the district continues to make efforts to create and maintain high measurable standards for performance through ongoing assessment opportunities for students. We believe in providing instruction that is based on research based practices and includes opportunities for student choices and individualization.

A constructivist theory of learning fuels the workshop approach for classroom instruction. Leetonia Exempted Village School District believes that students construct knowledge and meaning, rather than merely reproducing the knowledge of others. Students construct knowledge when they have opportunities to interpret, evaluate, analyze, synthesize, and organize information. This style of teaching emphasizes a dialogue with students in which they structure their learning around big ideas and concepts while persevering through problems that are relevant to everyday life.

## GRADUATION REQUIREMENTS

### Leetonia High School Graduation Credit Requirements

Courses	LHS Minimum
English Language Arts	4
Mathematics	4
Science	3
Social Studies	3
Health	.5
Physical Education	.5
Financial Literacy	.5
Public Speaking	.5
Rise Up *** If needed to fulfill graduation seal	.5
Electives	6.0 (5.5 w/ Rise Up)
Total Credits	22

**Twenty-two (22) units of credit shall be the minimum required by Leetonia Exempted Village School District for graduation. These shall be distributed as follows:**

**ENGLISH - 4 Credits**

Students must take English 9, 10, 11, and 12. If these requirements are not met, the student will have to retake the failed English course during the following year. Note: Students may take additional English electives, but these do not replace required English courses, unless the building Principal approves. \*Honors English 11, and Honors English 12 require teacher recommendation.

**MATHEMATICS - 4 Credits**

Algebra I should be taken the Freshman year. Geometry should be taken the Sophomore year. Juniors will select Algebra II. Seniors will choose from Applied Math or Pre-Calculus/Calculus., Pre-Calculus and Calculus must be taken concurrently in the SENIOR year. A math class must be taken all four years of high school.

**SCIENCE - 3 Credits**

Physical Science is to be taken the Freshman year, Biology is to be taken the Sophomore year, Juniors can select \*Honors Anatomy and Physiology, \*Honors Chemistry, Astronomy or Environmental Science. Seniors can select \*Honors Chemistry, \*Honors Physics, \*Honors Anatomy and Physiology or Forensic Science.

**SOCIAL STUDIES - 3 Credits**

U.S. History must be taken during the Freshman year. Modern World History must be taken during the Sophomore year. American Government must be taken during the Junior year. Psychology is considered an honors course and should be taken in 11th or 12th grade.

**HEALTH - 1/2 Credit (1 Semester)**

Must be taken in the Sophomore year.

**PHYSICAL EDUCATION 9 - 1/2 Credit (1/4 credit per semester)**

This is to be scheduled during the Freshman year. PE waivers are available to those students that compete in a sport or are in the Marching Band.

**FINANCIAL LITERACY - 1/2 Credit (1 Semester)**

Must be taken the Sophomore year.

**PUBLIC SPEAKING - 1/2 Credit (1 Semester)**

Must be taken the Junior year.

**\*\*\*Rise Up - (12 point credential) - 1/2 credit (1 Semester)**

If needed, Can be used to obtain a graduation seal.

\*With teacher recommendation

# SCHEDULING PROCEDURE

1. Students must take a minimum of 6 classes per semester each school year. A maximum of 7 courses per semester may be selected, if no study halls are available. Taking the maximum courses will not reduce the minimum requirement for the following year.
2. Students planning to further their education at two year or four year colleges should plan to follow the college preparatory or the core curriculum recommended by colleges. The minimum core includes: (Note that foreign language is not required but recommended for those students who are planning to attend college)

English	4 units
Math	4 units
Science	3 units
Social Studies	3 units
Foreign Language	2 units
The Arts*	1 unit
Financial Literacy	.5 units

\*Includes art, band or choir

Some colleges may require extensive preparation in specific subject areas. Check in the Counselor's office for more information on specific colleges and programs.

3. Schedule conflicts may occur if:
  - A. courses are taken out of sequence
  - B. college prep and non-college prep courses are mixed
  - C. courses must be repeated due to failure
  - D. certain classes may only be offered during the same periods.

The best possible schedule will be made for the student, according to the circumstances.

4. All students must have their final course selection sheets approved and signed by their parent or guardian. These must be returned by the date designated.
5. The counselor is available for parent conferences during the scheduling period. Call the High School office at 330-427-6594 ext. 31141 to make an appointment.
6. Once a signed course selection sheet is returned, registration becomes **final**.
7. Students who do not return their signed schedules by the date they are due, will have an appropriate schedule made by school personnel. This also becomes **final**.
8. Certain course choices will be subject to teacher approval. These are Honors English 11, Honors English 12, Spanish II, Honors Spanish III, Honors Spanish IV, Honors Chemistry, Honors Physics, Honors Pre-Calculus, Honors Calculus, Honors Psychology, Band, and CBI. An approval column is on the course selection sheet. Students must meet university requirements for all CCP courses. The respective teacher must sign prior to enrollment.
9. Because of the nature of the school schedule, class size, and other factors students will not be permitted to choose class periods or teachers.

# **PHYSICAL EDUCATION WAIVER**

Students who have participated in interscholastic athletics, marching band or cheerleading for at least two (2) full seasons as defined in the Leetonia High School handbook, while enrolled in grades 9 through 12 and as documented by the Instructor/Head Coach may be excused from the high school physical education requirement. Students electing such an excuse shall complete one-half (1/2) units of at least sixty (60) hours of instruction in another course of study which is designated by the Board as meeting the high school curriculum requirements. See the high school counselor for more information

## **SCHEDULE CHANGES**

Every student is given an opportunity to discuss his/her selections with the counselor before submitting the course selection sheet. Thereafter, schedule changes will be limited to the following:

1. Students may drop an elective course provided they maintain the required total credits each semester. The following guidelines will apply:
  - A. Unless switching to another class, students must remain in a yearly course for a minimum of one (1) week; students in a semester course must remain in the class for a minimum of three (3) days.
  - B. Following the 1 week or 3 day period, students may drop a class without any recorded grade. Beyond this time students may drop but will be issued a failing grade in their academic record. (WDF)
  - C. Students' ability to drop a class and enroll in another can occur only with authorization of the counselor/administration. Number of days already missed and class filling capacities must be considered. There should not be an expectation that this can occur.
  - D. A form authorizing the drop(s) must be signed by the parent, teacher, counselor and principal; the form is available in the counselor's office.
2. If, through a conference with the student, parent and counselor, it is decided by the counselor that a change is necessary for the welfare of the student, a schedule change may be made. The teacher will be informed of the reasons for withdrawal from the course.
3. Disciplinary removal from a required course will result in a final failing grade.
4. Students may be able to change sections within a department upon the recommendation of the counselor. The student's grades will carry over to the different sections.

# ASSESSMENTS/GRADUATION REQUIREMENTS

## For the Class of 2023 and beyond:

Students must meet three requirements: **Course Credit, Competency, and Readiness.**

(1) **COURSE CREDIT** Leetonia students are required to earn at least 22 credits. Students must then decide how they will round out their diploma requirements. For the class of 2023 and beyond as follows:

(2) **SHOW COMPETENCY** by earning a passing score on Ohio's high school Algebra I and English II test. Students who do not pass the test will be offered additional support and **must retake the test a least once.**

Students can earn from 1-5 points for each exam, based on their performance. 5 -- Advanced

4 -- Accelerated

3 -- Proficient

2 -- Basic

1 -- Limited

## If testing is not your strength, after you have taken your test, there are three additional ways to show **COMPETENCY.**

**Option 1: Demonstrate two Career-Focused activities one must be foundational: Foundational:** Proficient scores on WebXams

A 12-point industry credential

A pre-apprenticeship or acceptance into an approved apprenticeship program

**Supporting:** Work-based learning

Earn the required score on WorkKeys

Earn the Ohio Means Jobs Readiness Seal

**Option 2: Enlist in the Military** Show evidence that you have signed a contract to enter a branch of the U.S. Armed Services upon graduation.

**Option 3: Complete College Coursework:**

Earn credit for one college-level math and/or college-level English course through Ohio's free College Credit Plus program.

(3) **SHOW READINESS** by earning two of the following seals, choosing those that line up with your goals and interests. These seals give you the chance to demonstrate academic, technical and professional skills, and knowledge that align to your passions and interests allowing you to plan your steps after high school At least one of the two must be Ohio designed:

Ohio Means Jobs Readiness Seal (Ohio)

Industry Recognized Credential Seal (Ohio)

College Ready Seal (Ohio)

Military Enlistment Seal (Ohio)

Citizenship Seal (Ohio)

Science Seal (Ohio)

Honors Diploma Seal (Ohio)

Biliteracy Seal (Ohio)

Technology Seal (Ohio)

Community Seal (Local)

Fine and Performing Arts Seal (Local)

Student Engagement seal (Local)

**For more information on Graduation Requirements, please see the counselor or principal**

# **HONORS DIPLOMA (class of 2025 only)**

The Leetonia Exempted Village School District shall award the Ohio Diploma with Honors to any student graduating who:

1. Successfully completes the Leetonia High School curriculum.
2. Meets the criteria for honors as provided below.

**The student shall be awarded the Ohio *Diploma with Honors* if they have met at least seven (7) of the eight (8) criteria that follows:**

1. Earn four units of English.
2. Earn four units of mathematics, including at least Algebra I, Algebra II, Geometry and another higher level course of a four year sequence of courses that contain equivalent content.
3. Earn four units of science that include two advanced sciences with lab experience.
4. Earn four units of social studies.
5. Earn three units of one foreign language.
6. Earn one unit of fine arts.
7. Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the Senior year.
8. Obtain a composite score of at least 27 on the American College Testing (ACT) or an equivalent composite score of 1210 on the Scholastic Assessment Tests (SAT) with no regard for its new writing portion. (this maintains the two scores' comparability as qualifying criteria).



## **Honors Diploma (class of 2026 and beyond)**

Students must meet general graduation requirements and complete the requirements outlined below to qualify for Ohio Honors Diploma. Students may replace one requirement of either 4, 5, or 6 with a \*Student Strength Demonstration.” (See Below)

1. Math: 4 th Math must be greater than Algebra 2
2. Science: One additional unit Advanced Science
3. Social Studies: One additional unit Social Studies
4. World Language: Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5. GPA: 3.5 on a 4.0 scale
6. ACT/SAT: Act: Score of 27 or higher, SAT: Score of 1280 or higher
7. Seal Requirement: Earn two additional diploma seals, not including Honors Diploma Seal
8. Experiential Learning: Field Experience, Ohio Means Jobs Readiness Seal, Portfolio or Work Based Learning

\*Student Strength Demonstration Replacement:

College Credit Plus: 12 total College Credit Plus credit hours

Advance Placement: 3 course with score of 3 or higher on AP tests

Career-Technical Assurance Guide (CTAG): 12 total credits

Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18

Armed Services Vocational Battery (ASVAB): Score of 50 or above

Work-Based Learning: 250 total hours of work-based learning

*NOTE: See High School Counselor with questions for more details*

# **GRADE CLASSIFICATION**

First year high school students are classified as Freshmen. To be classified as a Sophomore a student must have a minimum of 5 credits. To be classified as a Junior a student must have a minimum of 10 credits including the basic requirements for Freshmen and Sophomores (2 units of English, 2 of Math, 2 of Social Studies, 2 of Science, 1/2 PE, 1/2 of Health). To be classified as a Senior a student must have a minimum of 15 credits. There will be opportunities for students to make up credits in which they are deficient (summer school, intervention, etc.).

## **FAILURES**

A student failing a required subject must repeat the subject to be eligible for graduation.

## **EDUCATIONAL OPTIONS**

Summer School: In the event that a summer school program is not available in our district, we will cooperate with various summer school programs in our area. For information about available opportunities, interested students should contact the counselor.

Educational Options: Students who have no opportunity to reschedule a make-up class may find it necessary to take a virtual course. This must be done through the counselor's office. Virtual work should not be approved for the purpose of avoiding a teacher or class offered in the home school, and will only be taken when there are schedule conflicts or for enrichment. Educational options may be accepted in lieu of regular class instruction for expanding the school's curriculum in subjects essential for enriching the educational opportunity, not replacing the available high school course. Educational options should be considered for credit recovery, to make-up failed subjects, grade placement, or repeat of a foundation course, only if the student cannot be placed back into the class. It is follow up to coursework previously attempted in much the same way that a summer school class is aimed toward "at risk" pupils and remediation. There may be a cost involved when taking a virtual course.

Home Instruction: A student who must be confined to home or hospital for a period of time because of some serious illness or injury is eligible for home instruction. Parents must contact the school to request home instruction. A physician's statement is necessary to determine eligibility.

College Credit Plus: High school students who qualify may apply for early college enrollment. Information regarding this program will be made available to interested students in the winter of each year for the following year's consideration. Sample Pathways for 15 credit hours and 30 credit hours are available in the counselor's office.

Columbiana County Career & Technical Center: Leetonia High School students in grades 11 and 12 have the option to choose from many vocational programs at the CCCTC. Application for these programs must be made through the counselor. Full and half day options are available.

# GRADING POLICY

The following percentage is used to determine letter grades:

100-92 = A

91-83 = B

82-74 = C

73-65 = D

64 or below = F

## **The following courses are Honors Courses**

Honors English 11

Honors Anatomy and Physiology

Honors English 12

Honors Psychology

Honors Pre-Calculus

Honors Spanish III

Honors Calculus

Honors Spanish IV

Honors Chemistry

Honors Band

Honors Physics

Other coursework may be included (college level work such as, College Credit Plus...etc. with Principal approval).

# MAKE-UP WORK

All tests and exams must be made up. A student will be required to take pre-scheduled tests and exams even if he/she has been absent the day before.

Incomplete work following illness will revert to an "F" unless made up within the total number of days the student was absent. This would also apply to a 9 week grade. An incomplete grade at the end of a year will automatically be a failure (F) and result in no credit.

Absence due to illness would be the only reason for not turning in a project on time. Because projects are assigned far in advance, the student must submit his/her project on the day he/she returns to school.

# HONOR STUDENTS

All "A" Honor Roll: Those students who earn a 4.0 GPA and take at least 6 classes.

Honor Roll: Those students who earn a grade point average between 3.2 and 3.99, have not received a "D" in any subject during a 9 week period and are taking the minimum 6 classes.

**Semester and Final grades will not be used to determine All "A" Honor Roll status.**

# **GRADE POINT AVERAGE AND CLASS RANK**

Cumulative grade point average is determined by the student's final grade. Class ranking for purposes of "Leetonia Top of the Class", college applications, announcements, etc. will be based on seven (7) semesters of high school. The official class ranking is based on the final grades at the end of the eight (8th) semester. Please note that class rank could change from the 7th to the 8th semester.

In order to be eligible for any and all honors involving a student's graduating class, the student must have completed a minimum of twelve (12) credits at Leetonia High School. This would include having spent the senior year at Leetonia Schools (all four quarters). To have a Leetonia High School Rank, students must have attended for a minimum of 5 semesters.



# COURSE DESCRIPTIONS

**Below are the course offerings. Make sure that you will meet the prerequisite for any course you sign up for. Consider courses that will be interesting and challenging to you.**

## ENGLISH

**ENGLISH 9** Course Code 001 Full Year - 1 Credit GRADE LEVEL: 9th Required

This is the first part of a sequential program combining the basics of grammar, composition, literature, and speech. Students are introduced to several genres of literature, poetry, and informational text from various locations in the world. Students will also have the opportunity to be creative in their work through various rigorous projects. Students will write weekly in formats of daily journals, short answer paragraphs, informative essays, persuasive essays, and argumentative essays.

**ENGLISH 10** Course Code 002 Full Year - 1 Credit GRADE LEVEL: 10th Required

PREREQUISITE: English 9

This is the second part of a sequential program combining the basics of grammar, various forms of composition, World Literature and the basics of speech. Emphasis is placed on preparation for the end of the year exam.

**PUBLIC SPEAKING** Course Code 004 1 Semester - 1/2 Credit GRADE LEVEL: 11th Required

The overall objective in Speech is to encourage student participation in the practice of basic speech activities. This course has been designed to present the student with an adequate introduction to the rhetorical principles of effective speaking with an emphasis on selecting, organizing, and communicating ideas. Included are projects that offer the student a variety of common expository, narrative, descriptive, and persuasive situations. In addition, aspects of group discussion, oral reading, basic communication, and phonology are dealt with in this course. Speech is recommended for any student planning a college education or a career in sales or public service.

**ENGLISH 11** Course Code 003 Full Year - 1 Credit GRADE LEVEL: 11th Required

PREREQUISITE: English 10

English 11 is a course that focuses primarily on American literature. Students are expected to read several genres of literature including the American novel, the memoir and the biography. Students write a research paper, prepare, and participate in a variety of enriched reading and writing experiences that meet all of the integrated language arts Ohio State Standards.

**HONORS ENGLISH 11** Course Code 003A Full Year -1 Credit GRADE LEVEL: 11

PREREQUISITE: Teacher Recommendation TEACHER SIGNATURE REQUIRED

### **Honors Course**

Honors English 11 is an accelerated course primarily for the college-bound student. Students read classic American literature, write an in-depth research paper, and participate in a variety of enriched reading and writing experiences. Prior to admittance students must have achieved the grades of A or B in sophomore English, and they must receive a recommendation from their Sophomore English teacher.

**ENGLISH 12** Course Code 011 Full Year - 1 Credit GRADE LEVEL: 12th Required

PREREQUISITE: English 11

This course is designed to help the student planning to attend a university, community college, or technical school. Basic grammar, vocabulary, various writing techniques, and an introduction to British literature are covered. Students participate in a variety of projects that meet all the Ohio State Standards.

**HONORS ENGLISH 12** Course Code 011A Full Year - 1 Credit GRADE LEVEL: 12

PREREQUISITE: Teacher Recommendation TEACHER SIGNATURE REQUIRED

### **Honors Course**

This course is designed to help the college bound student. Basic grammar, college-level vocabulary, various writing styles (including MLA), and analytical skills in reading are covered. Emphasis is placed on British literature. Independent reading of various novels is a requirement. Students participate in a variety of projects that meet all Ohio State Standards and prepare them for college readiness. Prior to admittance students must have achieved the cumulative grade of an "A" or "B" in English 11 and recommendation from their Junior English teacher.

**FILM STUDIES** Course Code 005 1 Semester - 1/2 Credit GRADE LEVEL: 11, 12

This course will study the history of film, so students may gain an understanding of American society reflected in these films from the 1930's to present day. Students will be introduced to the basic formal elements; narrative, mise-en-scene, cinematography, sound, and editing. Students will view top-rated examples of the various genres of film (western, romance, comedy, musical, science fiction, horror, mystery, etc.)

# **MATHEMATICS**

## **ALGEBRA I** Course Code 035 Full Year - 1 Credit GRADE LEVEL: 9th Required

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in middle school. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The five units are as follows: Relationships between Quantities and Reasoning with Equations, Linear and Exponential Relationships, Descriptive Statistics, Expressions and Equations, and Quadratic Functions and Modeling.

## **GEOMETRY** Course Code 034 Full Year -1 Credit GRADE LEVEL: 10th Required

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school CCSS. The Mathematical Practice Standards apply throughout each course and together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## **ALGEBRA II** Course Code 033 Full Year - 1 Credit GRADE LEVEL: 11 or 12 Required

PREREQUISITE: Algebra I and Geometry

Building on their work with linear, quadratic, and exponential functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## **APPLIED MATH** Course Code 032 Full Year - 1 Credit GRADE LEVEL: 12

PREREQUISITE: Algebra I, Geometry, Algebra II

A course designed for students in grade 12. Content includes new topics including consumer math and revisits some previously addressed topics with emphasis on preparation for college mathematics; including trigonometry, logarithms, conic sections, the general growth formula, absolute value equations and inequalities. The course also introduces the student into consumer math and many post high school applications of math.

**HONORS PRE-CALCULUS** Course Code 047 Double block period, 1 Semester - 1 Credit GRADE LEVEL: 12

PREREQUISITE: Teacher recommendation

**Honors Course**

Topics included are analysis of functions and their graphs; polynomials and mathematical applications, including long and synthetic division; trigonometric identities, exponential equations, probability, trig equations, advanced complex roots, binomial expansion, arithmetic and geometric series, proofs, functions inverse functions conic sections, and advanced graphing techniques.

**HONORS CALCULUS** Course Code 048 Double block period, 1 Semester - 1 Credit GRADE LEVEL: 12

PREREQUISITE: Pre-Calculus and Teacher Recommendation

**Honors Course**

The analysis of the elementary real functions: algebraic, trigonometric, exponentials, and their inverses and composites as well as their graphs, derivatives, and integrals are used. Mean value theorem, maxima and minima, curve plotting and the Fundamental Theorem of Calculus, with geometric and physical applications are also taught.



# SCIENCE

## PHYSICAL SCIENCE Course Code 062 Full Year - 1 Credit GRADE LEVEL: 9th Required

This course is designed to meet the standards of the Ohio Academic Standards for ninth grade science students. The topics covered in this course include introductions to physics, chemistry, and Earth science, as well as a unit on the scientific process. The physics and chemistry portions of the class includes the study of the nature of matter, the nature of energy, and forces and motion. The Earth and space science portions of the course include the study of the universe, Earth systems, and processes that shape the Earth. Themes that will be integrated throughout the course are Science and Technology, Scientific ways of knowing, and historical perspectives and scientific revolutions. This class must be taken by all ninth grade students.

## BIOLOGY Course Code 068 Full Year - 1 Credit GRADE LEVEL: 10th Required

PREREQUISITE: Physical Science

Biology is a class that studies living things. This course is designed to meet Ohio's New Learning Standards in Biology. The course investigates the following fundamental concepts: cells, heredity, diversity of life, and evolution. This course provides a framework through inquiry based instruction to explore the living world. Students will engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world application. This class must be taken by all tenth grade students.

## HONORS CHEMISTRY Course Code 060-2 Full Year - 1 Credit with Lab GRADE LEVEL: 11 and 12 ONLY

PREREQUISITE: Students must be of higher ability in math and science. This is demonstrated by completion of Algebra I, Physical Science, and Biology prerequisites. TEACHER RECOMMENDATION FROM ALGEBRA I TEACHER AND BIOLOGY TEACHER.

### **Honors Course**

Chemistry is the study of matter, how it changes, and how energy is involved in these changes. Topics covered include: study of the metric system, dimensional analysis, density, physical and chemical properties of matter, atomic structure and theories, chemical periodicity, formula naming, molecular geometry, bonding, mole concept, reaction types and prediction, gas laws, stoichiometry, and acids and bases. Lab required.

## HONORS PHYSICS Course Code 060-6 Full Year - 1 Credit with Lab GRADE LEVEL: 12 ONLY

PREREQUISITE: Students must be of higher ability in math and science. This is demonstrated by completion of both Algebra II and Chemistry. Students must be concurrently enrolled in Pre-Calculus or Calculus. TEACHER RECOMMENDATION FROM BOTH MATH AND SCIENCE PREREQUISITES

### **Honors Course**

Physics is concerned with the study of energy and forces. Topics covered include: Newtonian motion, energy and work, thermal energy, waves, sound, light, electricity, and atomic physics. Students enrolled in this course will participate in many labs, hands-on activities, and some extra-curricular projects throughout the year that correlate to the topics covered in class. This provides students with a sense of the application of theoretical science in technology and the design process and is excellent preparation for engineering fields. Lab required.

**HONORS ANATOMY & PHYSIOLOGY** Course Code 060 - 1 Full Year - 1 Credit with Lab GRADE LEVEL: 11, 12

PREREQUISITE: Teacher Recommendation, Biology teacher signature required

**Honors Course**

A lecture and laboratory course in the anatomy and physiology of humans with comparative anatomy to cats, with emphasis on the systems of the body and how they are interrelated. This course will include a year long program of intense human anatomy and physiology studies. The areas covered will include medical terminology, biochemistry, cell and tissue structure, and the 11 systems of the human body (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary and reproductive). Laboratory work will be required, including a comparative anatomy dissection lab using the cat, microscopic study of tissues, preserved specimens, and anatomic models. Lab Required.

**ASTRONOMY** Course Code 067 Full Year - 1 Credit GRADE LEVEL: 10, 11, 12

This course emphasizes the seasonal changes observed in the night sky, including constellations, galaxies, stars, planets, and the sun and the moon. Instruments such as satellites, telescopes, and spectrosopes will be studied along with techniques used to measure the size and distance of astronomical objects. Historical developments in astronomy will be explored, as well as the celestial sphere, solar system, the Earth as a system in space, the Earth/Moon system and stars.

**ENVIRONMENTAL SCIENCE** Course Code 069 Full Year - 1 Credit GRADE LEVEL: 11,12

PREREQUISITE: Two Science Credits

Environmental Science is the study of interactions among the living and nonliving parts of the environment. It studies both the physical as well as the social sciences. This course is designed to meet Ohio's New Learning Standards in Environmental Science. The topics include Earth Systems, Interconnected Spheres of Earth (Biosphere, Atmosphere, Lithosphere, Hydrosphere, and movement of matter and energy through the spheres) and Earth's Resources (Energy resources, Air and air pollution, water and water pollution, soil and land). This course will also incorporate STEM into the curriculum.

**FORENSIC SCIENCE I & II** Course Code 063/064 1 Semester - 1/2 Credit GRADE LEVEL: 10, 11, 12

Forensic Science is a laboratory based science class designed for students who are interested in forensic science. The purpose of this course is for students to gain experience in the major investigative techniques currently used by forensic scientists and crime scene investigators, and to develop an understanding of the scientific concepts which serve as the basis for these techniques. Emphasis is on scientific investigation and process, observation skills, microscopy, hairs, fibers, fingerprints, DNA, blood, entomology, forensic anthropology, autopsy, and death.

# **SOCIAL STUDIES**

## **U.S. HISTORY** Course Code 019 Full Year - 1 Credit GRADE LEVEL: 9th Required

This course analyzes and traces the evolution of the nation from that of a rural traditional nation to that of Western status. The students will be responsible for evaluating the cause and effect of the emerging nation's actions, studying controversies, cover-ups, and conspiracies that marred the nation's development. Essential questions that will be studied are: What lies in wait for the young nation's future? What is, and should be, our role in global society? These and other questions will be posted and discussed in this course.

## **MODERN WORLD HISTORY** Course Code 021 Full Year- 1 Credit GRADE LEVEL: 10th Required

**PREREQUISITE:** It is advised that students taking Modern World History during the 10th grade year would have had the required 9th grade social studies class.

This course examines world events from 1600 to the present. It explores the impact of the age of enlightenment, democratic and industrial revolutions, the imperialistic forces that led the world domination by European powers, the world wars that changed empires, the ideas that led to independence movements, conflicting political and economic ideologies resulting in the Cold War, and the effects and challenges of global interdependence. The concepts of historical thinking introduced in earlier grades will continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

## **FINANCIAL LITERACY** Course Code 180 1 Semester - 1/2 Credit GRADE LEVEL: 10th Required

The purpose of this course is to prepare students to make sound financial decisions. It seeks to develop students' skills and knowledge in money management; spending and credit; saving and investing; becoming a critical consumer; financial responsibility and decision making; and risk management and insurance.

## **AMERICAN GOVERNMENT** Course Code 022 Full year - 1 Credit GRADE LEVEL: 11th Required

**PREREQUISITE:** It is advised that students take American Government during their Junior year after taking required social studies courses in 9th and 10th grades.

This course provides a survey of the organization of American Government, which includes an overview of the historical significance and provisions of the Constitution, the Bill of Rights, Congress, the Supreme Court, the Presidency, political parties and interest groups. The purpose of the course is to lay the proper foundation for informed citizenship and more specialized study in political science.

## **INTRODUCTION TO SOCIOLOGY** Course Code 028 - 1 Credit GRADE LEVEL: 11,12

This course covers the basic concepts, methods, and principles used in sociology, and the scientific study of human group interaction. Students learn general theories and sociological research methods by studying the impact of culture, social change, and social organization on human behavior.

**HONORS PSYCHOLOGY** Course Code 023 Full year - 1 Credit GRADE LEVEL: 11, 12

PREREQUISITE: Students must have teacher recommendation. Only Juniors and Seniors may elect to take this course.

**Honors Course**

This course surveys the major principles of psychology. The history of psychology, noted individuals prominent in the field of psychology, human development, abnormal behavior, social psychology, feelings and emotions, research methodologies, psycho sociology, learning memory, intelligence, altered state of awareness, sleep and dreams, and careers in the field of psychology are introduced.

**CURRENT EVENTS** Course Code 030 Semester - ½ Credit GRADE LEVEL : 9, 10, 11, 12

This course will explore news and relevant events taking place locally, nationally and globally within the scope of the social studies curriculum. Students will analyze these events and study the impact of these events on our culture.

# **HEALTH AND PHYSICAL EDUCATION**

**PHYSICAL EDUCATION 9** Course Code 070 Year - 1/2 Credit GRADE LEVEL: 9th Required

This is a general activity course that introduces students to a variety of physical education activities based on the size and makeup of the class. Examples are team sports, individual sports, weightlifting and physical fitness.

**HEALTH** Course Code 073 1 Semester - 1/2 Credit GRADE LEVEL: 10th Required

This course includes the study of body systems, nutrition, growth and development, tobacco/alcohol/drugs, disease prevention, mental, physical, and emotional health, and safety/first aid.

**WEIGHTLIFTING** Course Code 072 Full Year - 1 Credit GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE: Approval from teacher

This class will allow those students who wish to enhance their strength and endurance by weight training. Each day students will be required to fill out their lifting charts by completing their exercises. This class will meet in the weight room daily. Weightlifting may be taken for credit each year.

# **WORLD LANGUAGES**

**SPANISH I** Course Code 081 Full Year - 1 Credit GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE: English grade of a C or above in 8th Grade

Students perform the most basic functions of the language and become familiar with some elements of the culture. Emphasis is placed on the development of the skills of listening, speaking, reading and writing within a given context. The context focuses on students' lives and experiences and includes exposure to everyday customs and lifestyles. Grammar and vocabulary are integrated throughout the course and reinforced through listening and speaking activities.

**SPANISH II** Course Code 082 Full Year - 1 Credit GRADE LEVEL: 10, 11, 12

PREREQUISITE: Spanish I with a final grade of a C or above

Spanish II builds upon knowledge gained in Spanish I. This course provides students with the opportunity to continue the development of their listening, speaking, reading and writing skills. Emphasis is on mastery of the basic grammatical structures, and increased communicative proficiency. Students will develop a better understanding of similarities and differences between beliefs, values and traditions of various cultures.

**HONORS SPANISH III** Course Code 083 Full year - 1 Credit GRADE LEVEL: 11, 12

PREREQUISITE: Spanish II with a final grade of a C or above

## **Honors Course**

Spanish III builds upon knowledge gained in Spanish I and II. The course is for the ambitious student to continue their knowledge of spoken and written Spanish through listening, speaking, reading, and writing skills. Students satisfy limited communication and social interaction demands, as well as initiate and maintain face- to- face communication. Honors level allows the student to fulfill college entrance requirements and achieve high ability in the Spanish language by learning more sophisticated terms, grammatical concepts and use of language expression.

**HONORS SPANISH IV** Course Code 084 Full Year - 1 Credit GRADE LEVEL: 12

PREREQUISITE: Spanish III and Teacher Recommendation

## **Honors Course**

The major focus of Spanish Level 4 is to enable students to communicate in writing and extended conversations on a variety of topics. This course serves to fulfill many college degree requirements in World Language as well as to improve oral fluency and communication. Students begin to narrate, discuss, and support fairly complex ideas. They also satisfy routine social demands and meet most social requirements. Finer points of grammar are studied to aid oral and written communication. Evaluation is based on written work, verbal communication and listening comprehension.

# ART

**ART I** Course Code 121Y Full Year - 1 Credit GRADE LEVEL: 9, 10, 11, 12

This course entails the Breath Approach. Concepts, materials, techniques, tools and vocabulary are studied in a sequence of interrelated assignments involving two-dimensional design, three dimensional design, and some drawing. Students develop their ability to manipulate and organize ideas to communicate, solve problems, and express themselves through visual language.

**ADVANCED ART I** Course Code 1212 1 Semester - 1/2 Credit GRADE LEVEL: 11, 12

PREREQUISITE: Art I with a final grade of C or above.

This course is designed for students interested in pursuing art. Continued studies with painting, drawing, and design; both two dimensional and three dimensional are involved. Emphasis on self-discipline, risk-taking, and craftsmanship help develop the student's positive self-image in relation to the visual arts.

**ADVANCED ART II** Course Code 1211 1 Semester - 1/2 Credit GRADE LEVEL: 11, 12

PREREQUISITE: Art I, and Advanced Art I with a final grade of C or above.

This course is designed for students interested in pursuing art. Continued studies with painting, drawing, and design; both two dimensional and three dimensional are involved. Stress on self-discipline, risk-taking, and craftsmanship help develop the student's positive self-image in relation to the visual arts.

**CRAFTS** Course Code 20240 1 Semester - 1/2 Credit GRADE LEVEL: 10, 11, 12

PREREQUISITE: Art I with a final grade of C or above, or teacher approval

Students acquire utilitarian skills including weaving, jewelry making, fabric crafting, basketry, metalsmithing, leather shaping, and wood forming. Objects by professional craftspersons are studied for their formal, expressive, and technical qualities.

**CERAMICS** Course Code 125 1 Semester - 1/2 Credit each GRADE LEVEL: 10, 11, 12

PREREQUISITE: Art I for Ceramics I and Ceramics I for Ceramics II with a final grade of C or above

Explore the exciting world of pottery through this hands-on art form. Students learn to roll coils of clay and layer them, cut and mold slabs, and decorate and glaze their works to create functional and decorative pieces. Ceramic II students will be introduced to the pottery wheel and create simple functional pieces.

**PAINTING** Course Code 1213 1 Semester - 1/2 Credit GRADE LEVEL: 10, 11, 12

PREREQUISITE: Art I with a final grade of C or above

Builds upon foundations, includes level paint application, design, color effects, and stylistic choices by developing students' abilities to communicate visually.

**PHONEOGRAPHY** Course Code 123 1 Semester - 1/2 Credit GRADE LEVEL: 10, 11, 12

Anyone can take pictures but not everyone can be a phoneographer. Phoneography is the act of creating photos that have been shot and processed by a mobile phone. You will develop your creativity, embrace the expressive medium and exercise your aesthetic judgment all with the use of your iPhone or smartphone and photography apps.

**CRICUT DESIGN** Course Code 124 1 Semester - 1/2 Credit GRADE LEVEL: 10, 11, 12

The goal of the class is to get new Cricut users comfortable with using the features in Design Space. We will begin with the basic foundation of the program and the machine and students will be challenged to create and construct visual designs for school hallways and other spaces. Students will also design and create a variety of personal projects.

**CREATIVE DRAWING** Course Code 1215 1 Semester -1/2 Credit GRADE LEVEL: 10, 11, 12

PREREQUISITE: Art I with a grade of C or better

This course emphasizes critical thinking in conjunction with fundamental techniques. Building on this foundation, techniques of gradually increasing complexity are expected. Course may be repeated



# MUSIC

**Note: Band or Choir taken during 7th or 8th grade may count towards fine arts requirement for graduation, with proper documentation.**

**CHOIR** Course Code 161 Full Year - 1 Credit GRADE LEVEL: 9, 10, 11, 12

Choir is open to all interested students. Students will prepare and perform a varied repertoire of music while learning the fundamentals of singing and musicianship. This elective is offered each year. Evening performances will be required.

**BAND** Course Code 151 Full Year - 1 Credit each year GRADE LEVEL: 9, 10, 11, 12

PREREQUISITE: Junior High Band, or previous band credit, or director approval. **Teacher signature required.**

This is a “co-curricular” activity. This class involves both marching and concert band and must be taken for the entire year. The class will build upon previous lessons in rhythm, intonation, style, articulation, and vocabulary. Students have the opportunity to apply for 1/4 physical education credit upon completion of a full marching band season. Attendance at class rehearsals and all performances, marching and concert, are required for the grade. Students will learn a variety of music, and participate in numerous community performances (parades, football games, and competitions). Rehearsals begin in the summer and continue through the fall.

**Course begins in late July/August at director and staff discretion.**

# **FAMILY AND CONSUMER SCIENCE**

(FCS Courses may be repeated during the 4 years of High School)

**TEEN LIVING** Course Code 111 - (One Semester – 1/2 credit)

GRADE LEVEL 9,10, 11, 12

PREREQUISITES: NONE

This is a course that will help students enhance their personal development and interaction with others during high school and after graduation. Areas to be covered include: dating, living on your own, renting an apartment, preparing simple meals, consumer decision making skills and budgeting. Real life situations and cooking labs will allow the student to practice decision making skills necessary for life. Throughout the course, students will develop communication, leadership and career investigation skills. Students accomplish laundry skills during the course.

This course will cover the state standards for Intro of FCS. **Career Tech Code: 09120**

**PARENTING** Course Code 103 - (One Semester – 1/2 credit) offered each year

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: NONE

Parenting focuses on the decisions and responsibilities that are a part of being a parent. Content includes: researching the impact of the parenting role, preparing for parenting, reviewing parenting information, prenatal development, health and nutrition for mother and infant, infant development, and an overview of child development. Students will be able to take home a computerized baby to simulate the experience of being a new parent. This course will cover the state standards for Human Growth & Development. **Career Tech Code: 093015**

**DIY CREATIVE BUG** Course Code 104 (One Semester – 1/2 credit) offered every other year

GRADE LEVEL: 9,10,11,12

PREREQUISITES: NONE

DIY Creative Bug lessons will be about learning a new skill or making an awesome project from building wooden items, sewing, drawing, cricutting, upscaling your jeans, or developing a niche for your own business. This class will allow students to develop their own creative ability as “not everyone needs to own everything.” This class will start your creative ability and keep you inspired to learn more. This course will cover the state standards Textile Design, Construction and Maintenance **Career Tech Code: 091505**

**FASHION DESIGNER** Course Code 101– (One Semester – 1/2 credit) offered every year

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: NONE

In this course students will explore a range of topics relating to the various aspects of textiles and career opportunities available in the field of clothing in STEM related projects. Projects will consist of but not be limited to sewing a scarf, pillowcase, quilt and individual projects. A service learning donation sewing project will be assigned. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include project collaboration, design techniques and environmental sustainability. This course will cover the state standards for Textiles & Interior Design. **Career Tech Code: 091501**

**BEAR GRILL** Course Code 105 (One Semester – 1/2 credit) offered every year

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: NONE

This is a course where students who love to cook will learn more about healthy foods and create them in the cooking lab. Students will learn safe food handling, preparation and clean-up to provide for themselves and the community. Students will explore the cultural influence on food choices and prepare authentic recipes. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

This course will cover the state standards for Principles of Food. **Career Tech Code: 091205**

**FOOD AND FITNESS** Course Code 106A (One Semester – 1/2 credit) offered every other year

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: NONE

Students will develop food science skills in this class by applying fundamental culinary techniques, selection and proper use of tools and equipment. This is a course that encourages students to make healthy food choices, creating a healthy lifestyle, with an emphasis on healthy and safe foods prepared in the cooking lab for themselves and the family. Students will prepare simple meals from healthy menu planning. Students will determine how exercise habits may promote healthy weight.

This course will cover the state standards for Food Sciences. **Career Tech Code: 091215**

**CREATIVE COOKING** Course Code 104 - (One Semester – 1/2 credit) offered every other year

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: NONE

In this course students will develop their baking skills to compare different ingredients and cooking methods. Students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situations. In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. Students will compete in Cupcake Wars.

This course will cover the state standards for Culinary Fundamentals. **Career Tech Code: 091220**

# **STEM**

**ROBOTICS** Course Code 2100 1 Semester - 1/2 Credit GRADE LEVEL: 9, 10, 11, 12

Robotics applies basic STEM concepts. Students will collaborate in teams to design, build, and code VEX V5 robots to compete locally after school and occasionally on a Saturday to earn placement to State and/or World Competitions. Participation in competitions is required. Course can be repeated

**Industry 4.0** Course Code: 2600 1 Semester - 1/2 Credit GRADE LEVEL: 9, 10, 11, 12

In this course, students will experience authentic, real world, hands-on projects. Using various coding software such as CNC, students will be able to shape metal, wood, and plastics. Illuminate software for robotic arm programming and Solidworks for 3D product design is utilized. In addition, students will be introduced to electric circuit boards and Smart Automation artificial intelligence. Course can be repeated

**DRONE IMAGING** Course Code 016 1 Semester - 1/2 Credit GRADE LEVEL: 9, 10, 11, 12

An introduction to using drones for digital imaging. This course is designed to give the student the ability to photograph both stills and videos from drones. Emphasis is placed on safety, equipment selection, flying, and becoming licensed to use drones for commercial purposes. Provides a starting point to using drones in multiple disciplines and careers. Course can be repeated

# MISCELLANEOUS ELECTIVES

**ACT PREP** Course Code: ACT PREP 1 Semester - 1/2 Credit GRADE LEVEL: 11, 12

The ACT Prep is a class to help students prepare for the ACT Exam in: English, Math, Reading, and Science. It will help familiarize students with the instruction and format, and review and analysis of answers to questions. This course will help students self-analyze test taking strategies and tips that will help them improve their test scores. Students will learn to pace on practice tests to help them complete test sections in the time frame allotted to improve composite scores. Students will look at their self- growth. The ACT fosters college readiness and student growth.

**E-SPORTS** Course Code 400/410 1 Semester - 1/2 Credit GRADE LEVEL: 9, 10, 11, 12

Students will use computer gaming to learn and reinforce skills such as (but not limited to): Teamwork, problem solving, social interaction (both as team members and online community members), creative thinking and leadership. Online gaming will be utilized in this learning environment and students will be required to create online avatars/ characters to participate in this course. *Disclaimer: Games could include simulations of cartoon fighting.* Games being considered (but not finalized) for this class are: League of Legends, Rocket League, Hearthstone, and Fortnite. Class advisor, administrator and parent/guardian signature are required for consideration/participation in this class. Course can be repeated.

**RISE UP - CAREER PREP** Course Code  
1 semester - 1/2 credit GRADE LEVEL 12

Your students will develop basic customer service and math skills to conduct sales transactions. They will build an understanding of the retail industry, its impact on the economy and the diverse jobs available. And they will learn best practices for interviewing and exploring career paths. **Upon completion of the course students will have earned 12 credential points in the fields retail and hospitality.**

**LEETONIA EDUCATION EXPERIENCE PARTNERSHIP (LEEP) INTERNSHIP PROGRAM** Course Code  
1 semester - 1/2 credit GRADE LEVEL 12 - Only available to non-Career Center seniors.

This program will provide interested students an opportunity to intern with local businesses to experience career opportunities. Students will complete an employer application identifying an area of interest and then interview with an employer to be accepted into their business. Students will commit to spending at least one hour daily (2 school periods) for one semester at the business. Upon successful completion of a minimum of 72 hours students will earn 1 high school credit. The internship may be paid or unpaid. Students will have the opportunity to complete 2 semesters of internships.

**PUBLICATIONS** Course Code  
Full year - 1 Credit GRADE LEVEL - 9, 10, 11, 12

This course will work on all aspects of the high school yearbook. Students will be assigned sections of the book and work within the parameters of the yearbook software to meet deadlines, record photographs of school events and publish the Leehiscan (the Leetonia High School yearbook).