

Lordstown Senior High School

Course Description Catalog
2018 - 2019



Lordstown High School Graduation Requirements

Credits	Subject Area	Notes
4	English	
½	Health	One semester
4	Math	One credit of Algebra II or equivalent
½	Physical Educ.	Two semesters
½	Financial Literacy	One semester
3	Science	Inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering/analyzing information, which shall include the following, or their equivalent <ul style="list-style-type: none"> • One credit each of physical, life, and advanced science Advanced study in one or more of the following sciences, 1 credit: <ul style="list-style-type: none"> ○ Chemistry, physics, or other physical science ○ Advanced biology or other life science ○ Astronomy, physical geology, or other earth/space science.
3	Social Studies	World History, United States History, United States Government
6.5	Electives	One of which must include business/technology and fine arts (see counselor or principal for further information).
		Successfully earned the required points on the End of Course (EOC) exams as determined by the Ohio Department of Education.

A minimum of 22 credits is required for graduation from Lordstown High School.

All students must also complete two semesters or the equivalent of fine arts to graduate from high school. The coursework may be completed in any of grades seven to twelve.

Recommended College Prep Curriculum for those students preparing to enter a 4-year college/university program

- 4 credits Academic English
- 4 credits social studies
- 4 credits math (minimum of algebra I, geometry, and algebra II)
- 4 credits lab science (including biology, chemistry, and physics)
- 2 credits foreign language (minimum)
- 1 credit fine arts

Note: Students are strongly encouraged to go beyond these minimums. Most colleges and universities recommend that students take science and math classes each year of high school for a minimum of 4 credits in each discipline. Doing so better prepares students for their freshman year of post-secondary education.

College Readiness Tests

All students should consider taking either the ACT with writing or the SAT at least once during their junior year of high school, regardless of post-secondary plans. Those who plan to attend college may find it helpful to take the test more than once. Many scholarships are tied to the ACT or SAT score. See school counselor for more information or check the following websites:

- www.actstudent.org
- www.collegeboard.com

Ohio Academic Honors Diploma

Students must meet 7 of the 8 criteria*

Traditional High School

4 Credits Academic English
4 Credits Social Studies
4 Credits Math – Algebra II or above
4 Credits Science – including Physics and Chemistry
3 Credits Foreign Language
1 Credit Fine Arts
3.5 GPA on a 4.0 scale
27 ACT Composite **OR** 1210 SAT

Career/Technical School

4 Credits Academic English
4 Credits Social Studies
4 Credits Math – Algebra II or above
4 Credits Science – including Physics & Chemistry
4 Credits Career/Technical courses
3.5 GPA on a 4.0 scale
27 ACT composite or 1210 SAT
Proficient for appropriate Ohio Career-Technical Competency Assessment

All courses listed within this booklet are not necessarily offered each school year.

**Courses are full year unless otherwise noted. Course selections may have prerequisites.
If you do not meet the prerequisite requirements,
you will not be permitted to enroll in the class.**

ART

ART I (1 credit) Grades: 9, 10, 11, and 12

CONTENT: Introduction to various aspects of the visual arts: application of art terms, art appreciation, development of skill and techniques using a variety of media, expression of original ideas.

ART II (1 credit) Grades: 10, 11, and 12

PREREQUISITE: ART I

CONTENT: Continued development of skills and the application of art techniques. Students will broaden their general knowledge in the visual arts and continue progress regarding the sophistication and originality of ideas.

ART III (1 credit) Grades: 11, 12

PREREQUISITE: ART II

CONTENT: Students should be prepared to:

1. Develop individual styles by generating and expressing ideas while choosing material and techniques.
2. Demonstrate continued development of skill when using varying techniques.
3. Broaden knowledge regarding all aspects of the visual art

ART IV (1 credit) Grade 12

PREREQUISITE: ART III

CONTENT: The purpose of this course is to:

1. Prepare the serious student for college or post secondary education in art.
2. Require students to prepare a portfolio for presentation
3. Encourage students to develop individual styles and concentrate on areas of interest
4. Help students broaden their knowledge regarding all aspects of the visual arts.

*Please visit the [ODE website](#) for more information regarding Honors Diploma Options

BUSINESS AND TECHNOLOGY

DESKTOP PUBLISHING

(1/2 credit) Grade 9 REQUIRED

CONTENT: A computer applications class which will focus on mastery of Microsoft Word, Excel, PowerPoint, and Publisher, as well as programs such as Google Docs and LibreOffice. These programs are used to create documents and other work that can be used to analyze or report data. This can be done for personal, academic, and/or business use.

DIGITAL MEDIA

(1/2 credit) Grades: 9 REQUIRED

PREREQUISITE: Successful completion of Computer Intro or Desktop Publishing with grade of "C" or better.

CONTENT: Students will learn how to manipulate and edit video, pictures, and sound as well as infuse multimedia into webpages that will be created in this course. Learning and correctly applying the terminology related to multimedia is also a focus of this course. The emphasis will be on digital photography and photo editing. Other topics would include sound recording and editing, video recording and editing, basic web design, and principles of design and print layout.

ENGLISH/LANGUAGE ARTS

GRADES 9-12 – REQUIRED ENGLISH COURSE OPTIONS*

Honors English 9 Honors English 10 Honors British Literature (Gr 11)

The classes in this programmed course of study assume a basic knowledge of grammar, vocabulary, literature and writing skills, and continue to build those skills. This program is intended for those students who plan to continue their education beyond a high school diploma.

Academic English 9 Academic English 10 British Literature (Gr 11) American Literature (Gr 12)

The purpose of this program of study is to continue to develop and reinforce basic English grammar, literature, vocabulary, and writing skills. It emphasizes practical skills and is designed for the student who will be attending college, a technical school, or entering the workforce.

*Students may opt to substitute grade 11 and 12 required English courses with College Credit Plus English courses to meet graduation requirements. However, they are still encouraged to take all required English courses to count towards graduation as elective credits.

ACADEMIC ENGLISH 9

(1 credit) Grade: 9

PREREQUISITE: Language Arts 8

CONTENT: This course is an integrated language arts study. It will focus on developing reading and writing skills through literature study and varied writing experiences. It will also feature development of listening skills, visual literacy, and oral communication. Special attention will be given to applied communications including goal setting and social and business skills in the workplace.

HONORS ENGLISH 9

(1 credit) Grade: 9

PREREQUISITE: A 3.0 or better grade average in Language Arts 8

CONTENT: In this course the major focuses will be in the following five areas:

1. COMPOSITION: the objectives will be to refine the areas of purpose, direction, ideas, style and presentation.
2. GRAMMAR AND MECHANICS: higher level grammar skills will be studied and the mechanics skills will be reviewed and refined.
3. VOCABULARY: a program of systematic vocabulary growth will be continued to develop skills necessary for college placement tests and broad-ranged communications.
4. LITERATURE: the elements of a short story will be reviewed. The Greek and the Shakespearean play will be introduced. Novels, projects, and poetry are also part of the academic literature.
5. ORAL PRESENTATION: Students will write and present informative and persuasive speeches.

ACADEMIC ENGLISH 10

(1 credit) Grade: 10

PREREQUISITE: Grade 9 English

CONTENT: In this course the major focuses will be in the following four areas:

1. COMPOSITION: The student will build on his ability to write a well-developed paragraph, and begin writing a multi-paragraph essay, using the principles of purpose, direction, ideas, style and presentation.
2. GRAMMAR AND MECHANICS: Grammar and mechanics skills will be reviewed and refined.
3. VOCABULARY: Using a systematic approach to vocabulary growth, the student will continue to develop vocabulary skills necessary for broad-ranged communication.
4. LITERATURE: Students will learn to identify and use such literary terms as plot, theme, characterization, irony, and figurative language in conjunction with the reading of short stories, plays, poems, and novels.

HONORS ENGLISH 10

(1 credit) Grade 10

PREREQUISITE: "C" or better in the grade 9 Honors English or a "B" in Academic English 9 **AND** teacher recommendation.

CONTENT:

1. COMPOSITION: The student will continue to refine his writing skills; concentration will be on writing multi-paragraph essays, some of which relate to literature assignments.

2. **GRAMMAR AND MECHANICS:** The study of grammar continues with the focus on phrases, clauses, and verbals.
3. **VOCABULARY:** A program of systematic vocabulary growth continues, with emphasis placed on the skills needed for college-placement tests as well as broad ranged communication skills.
4. **LITERATURE:** The student will read, discuss, and write about such literary forms as short stories, poems, plays, and novels. The use of such literary terms as theme, characterization, irony, satire, figurative language, and tone will be included in the writing and the discussion.

BRITISH LITERATURE

(1 credit) Grade: 11

PREREQUISITE: Grade 10 English

CONTENT: Students will survey the literary contributions of British authors. Students will focus on reading both classic and contemporary works of British Literature, as well as the writing and grammar components of the English Language Arts curriculum. Students will work both collaboratively and individually on assignments, activities, and lessons. Along with short compositions, students will also learn to gather information for, organize, and draft a research paper required by the state course of study. Topics covered in this course include the elements of fiction and nonfiction literature, the development of vocabulary, the writing process, the elements of grammar, and the correct usage of writing mechanics.

1. **COMPOSITION:** The student will develop multi-paragraph compositions and work on the skills of defining purpose, organizing, generating ideas, developing style, and producing an acceptable manuscript. Resumes and letters of application will also be included.
2. **VOCABULARY:** A systematic study of vocabulary will be continued to broaden and enhance the student's range of effective communication.
3. **GRAMMAR:** Basic rules will be reviewed with emphasis placed on the importance of clear communication.
4. **LITERATURE:** The short stories, personal narratives, poetry and plays will focus on America (present and past). Our most skillful writers and thinkers will be examined.

HONORS BRITISH LITERATURE

(1 credit) Grade: 11

PREREQUISITE: "C" or better in Honors English 10 or a "B" or better in Academic English **AND** teacher recommendation.

CONTENT: Students will survey the literary contributions of British authors. Students will focus on reading both classic and contemporary works of British Literature, as well as the writing and grammar components of the English Language Arts curriculum. Students will work both collaboratively and individually on assignments, activities, and lessons. Along with short compositions, students will also learn to gather information for, organize, and draft a research paper required by the state course of study. Topics covered in this course include the elements of fiction and nonfiction literature, the development of vocabulary, the writing process, the elements of grammar, and the correct usage of writing mechanics.

AMERICAN LITERATURE

(1 credit) Grade: 12

PREREQUISITE: Grade 11 English

CONTENT: Students will survey the literary contributions of American authors. Students will focus on reading both classic and contemporary works of American Literature, as well as the writing and grammar components of the English Language Arts curriculum. Students will work both collaboratively and individually on assignments, activities, and lessons. Along with short compositions, students will also review the research process. Topics covered in this course include the elements of fiction and nonfiction literature, the development of vocabulary, the writing process, the elements of grammar, the correct usage of writing mechanics, and speaking and listening skills.

1. **COMPOSITION:** This course continues to reinforce basic writing skills. Business communications and resumes will also be reviewed. Students will also write journals, essays, and summaries, some of which relate to assigned literature.
2. **VOCABULARY:** A culmination of a six-year vocabulary study will be made with a complete course in vocabulary workshop.
3. **LITERATURE:** Students will read and discuss novels, essays, plays, poetry, and short stories.
4. **ORAL PRESENTATION:** Students may be required to conduct an interview and/or do a demonstration speech

WRITING I**(1 credit- College Credit Plus - 1 semester course)**

CONTENT: English 1550 provides instruction in writing as a means of critical inquiry, with particular attention to writing processes and on the roles of a writer, audience, and purpose as they affect writing. In addition to written work, the course will feature the reading and discussing of thought-provoking texts. This course is a College Credit Plus course through Youngstown State University. Content and syllabus are at the college level and cannot be altered. Students enrolled through YSU will receive dual credit—both high school and college credit.

AMERICAN LITERATURE AND DIVERSITY**(1 credit - College Credit Plus -1 semester course)**

CONTENT: English 2618 provides instruction in writers and works in relationship to the diversity of American culture, politics, lifestyles, and social movements. Students will participate in the reading of six works of literature, including novels, dramas, poetry, and graphic novels. These works will discuss cultural contacts among minority and majority cultures in the United States by analyzing values, priorities, expectations, mores, and rules. This course is a College Credit Plus course through Youngstown State University. Content and syllabus are at the college level and cannot be altered. Students enrolled through YSU will receive dual credit—both high school and college credit.

DRAMA**(1/2 credit- semester course) Grades 9, 10, 11, 12**

CONTENT: A class comprised of 5 units with the goal of providing a balanced introduction for beginning drama students. Each unit will teach fundamental theatre skills that are engaging, challenging, creative, and fun, through hands-on projects and stage exposure. The course is designed to allow students to tap into their own creativity, gain self-confidence, and experience working collaboratively with others. Students can also look forward to learning how to become a critical listener and viewer--qualities that will serve you well no matter where your future takes you.

CREATIVE WRITING**(1/2 credit) Grades 9, 10, 11, 12**

CONTENT: A course designed for students who enjoy writing as a form of art and personal expression. Students will work in writing workshops and with peers to craft formal pieces of writing suitable for competition and publication. Units will include analysis of fiction, nonfiction, short story, script, and poetry; literary element development lessons; writing/author studies; and peer review/conferences. By the end of the class, students will have created a professional writing portfolio that will be comprised of formal pieces, journal pages, and various editor feedback.

FAMILY AND CONSUMER SCIENCES**INTERNATIONAL CUISINE****(1/2 credit – semester course) Grades 9, 10, 11, 12**

PREREQUISITE: Successful completion of Healthy & Safe foods in grade 8 or for high school credit.

CONTENT: Students will examine various cultures of the world, sample common foods, and prepare recipes from other countries or regions of the United States. Each student will demonstrate the process used to create a dish with an international connection and share the recipe with the rest of the class. Special attention is devoted to the development and knowledge of healthy dietary practices which promote wellness. Global issues contributing to nutritional deficiencies and hunger will be addressed. A willingness to try new foods is required.

HEALTHY AND SAFE FOODS**(1/2 credit semester course) Grades: 9, 10, 11, 12**

CONTENT: High school students will develop skills in acquiring and practicing a healthy lifestyle using dietary guidelines that reduce the risks of chronic disease and the development of unsafe habits. They will master the skills needed to safely prepare and store food, use written recipes, reduce the risk of food borne illness, and evaluate the impact of consumer choice on the environment and global community.

FOREIGN LANGUAGE**SPANISH I****(1 credit) Grades: 9, 10, 11**

PREREQUISITE: 2.5 or better in English AND teacher recommendation

CONTENT: The aim of Spanish I is to give to the students a new mode for communicating their ideas and experience in Spanish.

1. Emphasis is placed on pronunciation, speaking and understanding.
2. Elementary reading and writing will be introduced.
3. Students will copy or read material which has been mastered orally.
4. Students will study the elementary aspects of Spanish grammar.
5. Students will appreciate the cultural aspects of the Hispanic civilization.

SPANISH II

(1 credit) Grades: 10, 11, 12

PREREQUISITE: "C" OR BETTER IN SPANISH I AND TEACHER RECOMMENDATION

CONTENT: Spanish II is a chronological continuation of Spanish I. Continued emphasis will be placed on the development of the spoken language. Additional emphasis will be placed on the development of reading and writing skills.

1. Oral and aural practice will continue through conversation, dialogues, and oral accuracy.
2. Students will enlarge their vocabulary through further acquisition of reading and writing skills.
3. Students will begin a formal analysis of Spanish grammar through already learned grammatical patterns.
4. Students will be introduced to the finest Spanish culture through appropriate reading topics.
5. Students will continue the development of writing skills through controlled material.

SPANISH III

(1 credit) Grades: 11, 12

PREREQUISITE: "C" OR BETTER IN SPANISH II AND TEACHER RECOMMENDATION.

CONTENT: In Spanish III, more emphasis will be placed on reading and writing. A proportioned emphasis will be maintained on listening comprehension and speaking since complete concentration of any of the four language skills will lead to the deterioration of the others. There will also be reports, essays, and compositions written in this course in Spanish.

SPANISH IV

(1 credit) Grade: 12

PREREQUISITE: "C" OR BETTER IN SPANISH III AND TEACHER RECOMMENDATION.

CONTENT: In Spanish IV, a continued emphasis will be placed on reading, writing, and oral proficiency. Students will be expected to achieve a "Survival" level of comprehension, enabling them to travel in a Spanish speaking country. A term paper in Spanish is part of the writing requirement for this course.

CCP SPANISH - Intermediate I/II

(Each course 1 semester - 1 credit each)

CONTENT: According to forthcoming syllabus.

MATHEMATICS

ALGEBRA I

(1 credit) Grades: 9, 10

CONTENT: The course actively involves students in constructing and applying mathematical ideas. Topics covered include data analysis, algebraic expressions, inequalities, linear and quadratic equations, systems of equations and inequalities, polynomials, radical geometric and rational expressions. Using small cooperative groups, technology, whole class instruction and activities, students problem solve real life situations.

GEOMETRY

(1 credit) Grades 9, 10, 11

CONTENT: Geometry emphasizes the structural Unity underlying all mathematics and incorporates algebra in the study of geometry. Studied first are the elements of geometry, followed by inductive and deductive reasoning necessary to present a logical argument or a formal proof of a proposed conjecture. Angle relationships, perpendicular and parallel lines are developed and used with congruent triangles to show relations between plane figures. Circles, lines, and angles are used also for purposes of construction and location. Areas of plane polygons and circles are expanded to solid figures. In this course students explore conjectures in order to construct a mathematics that empowers them to solve interesting and relevant problems.

HONORS GEOMETRY

(1 credit) Grades 9, 10

PREREQUISITE: "A" average in Algebra I, Teacher Recommendation

CONTENT: The purpose of this course is to develop the geometric knowledge that can be used to solve a variety of real-world and mathematical problems. Topics shall include, but not be limited to, geometric constructions; deductive and inductive reasoning; parallelism and perpendicularity; perimeter, area, and volume; right triangle trigonometry; segments, angles, and circles; similarity and congruence; and volume and surface area of 2-and 3-dimensional figures. In comparison to our standard Geometry course, Honors Geometry is intended for students who excelled in Algebra I and are prepared for a faster-paced class which requires more in-depth discussion, assignments, and projects throughout the year.

ALGEBRA II

(1 credit) Grade: 11-12

CONTENT: Algebra II is a study of linear and non-linear equations and graphs, systems of equations, matrices, polynomials, rational expressions, and basic trigonometry. Complex numbers and logarithmic and exponential functions are also introduced. This "fundamental" course is similar to the other Algebra II course; however, this course will move at a slightly slower pace. The problems assigned throughout the course will both maintain and improve proficiency in algebraic skills.

HONORS ALGEBRA II

(1 credit) Grade: 10,11

PREREQUISITE: "A" average in Honors Geometry, Teacher Recommendation

CONTENT: This course is designed for the advanced math student who shows an interest in a STEM related degree. A pre-req for Pre-Calc, followed by Calc I and Calc II, the path designed for STEM majors. The course will move at an advanced pace covering topics including: linear equations and functions, quadratic equations, factoring, polynomial functions, exponents, radical functions, exponential and logarithmic functions, conic sections, sequences and series, trig ratios and functions, as well as trig graphs, identities, and equations. The goal of the course is to prepare students for Calculus I and Calculus II, since mastering algebra skills is necessary for success in these higher level math courses.

PRE-CALCULUS

(1 credit) Grades: 11, 12

PREREQUISITE: "B" in Algebra II

CONTENT: Designed to prepare students for a comprehensive calculus course, it continues the development begun in Algebra I and Algebra II. Practice in the fundamental skills of algebra, geometry, and trigonometry is provided while advanced topics are introduced and practiced. Emphasis is on the algebra of logarithms and exponentials, all phases of trigonometry including trigonometric equations, identities, and the equations and graphs of sinusoids. Also included are matrices, determinants, arithmetic and geometric series, conic sections, and functions including curve sketching.

BUSINESS MATH

(1 credit) Grade: 12

PREREQUISITE: Successful passage of Math III or equivalent

CONTENT: This class addresses Algebra II with trigonometry concepts (including functions, complex numbers, functions, logarithms and trigonometric functions and identities, sequences and series) with additional time for mastery.

STATISTICS

(1 credit- College Credit Plus - 1 semester course)

CONTENT: Intended for college-bound students interested in business, management, economics, math, or the life/social sciences where Calculus and other higher-level math courses may not be required. Topics to include basic probability, statistics, counting techniques, elementary matrix algebra, mathematics of finance, logic, game theory, and operations research techniques. Designed for students from different disciplines who desire an introduction to statistical reasoning. Topics include collecting and summarizing data, concepts of randomness and sampling, statistical inference and reasoning, correlation and regression. Content and syllabus are at the college level and cannot be altered. Students enrolled through YSU will receive dual credit – both high school and college credit.

COLLEGE ALGEBRA

(1 credit – College Credit Plus - 1 semester course)

CONTENT: Topics include real numbers, equations and inequalities, linear, quadratic, polynomial, exponential, and logarithmic functions, graphing techniques, systems of equations, matrices, determinants, permutations and combinations, the Binomial Theorem, and applications. The course fulfills the YSU general education requirements for mathematics. Content and syllabus are at the college level and cannot be altered. Students enrolled through YSU will receive dual credit – both high school and college credit.

**CALCULUS I & II
course)**

(1 credit each – College Credit Plus -1 semester each

CONTENT: For those who are interested in math, engineering, physics, business, or the life sciences. A sequence of integrated courses in analytic geometry and calculus. A detailed study of limits, derivatives, and integrals of functions of one and several variables with applications. This course is through Youngstown State University. Content and syllabus are at the college level and cannot be altered. Students enrolled through YSU will receive dual credit – both high school and college credit.

MUSIC

SECONDARY BAND

(1 credit) Grades: 9 - 12

CONTENT: Offered to students in grades 9-12 who have had previous experience on one of the standard band instruments. The class meets daily and is devoted to the development of large group performances of standard band literature. Students will be expected to do a certain amount of out of class practice on their instruments and attend scheduled performances during the school year as determined by the band director. Admission to this class is by permission of band director.

CHOIR

(1 credit) Grades: 9 - 12

PREREQUISITE: All students are welcome to join choir; no previous musical experience is necessary.
CONTENT: This class meets daily and is devoted to the development of performances of vocal literature, ranging from standard choral repertoire to modern pop music. Students will learn the basics of vocal technique, reading music notation, and singing harmonies. Students will be expected to attend scheduled performances during the school year as determined by the choir director.

JAZZ BAND

(1 credit) Grades: 9 - 12

PREREQUISITE: SECONDARY BAND and/or previous experience playing a standard jazz band instrument.
CONTENT: This class meets daily and is devoted to the development of performances of standard jazz band literature. Students will be expected to do a certain amount of out of class practice on their instruments and attend scheduled performances during the school year as determined by the band director. Admission to this class is by permission of band director.

PHYSICAL EDUCATION AND HEALTH

HEALTH (1/2 credit – semester course) Grade: 9 REQUIRED COURSE

CONTENT: *This Healthy Behaviors 2 course is designed to help students achieve the following:*

1. *Comprehend concepts related to health promotion & disease prevention to enhance health.*
2. *Analyze the influence of family, peers culture, media, technology, and other factors on health behavior.*
3. *Demonstrate the ability to access valid information and products and services to enhance health.*
4. *Demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks.*
5. *Demonstrate the ability to use decision making skills to enhance health.*
6. *Demonstrate the ability to use goal-setting skills to enhance health.*
7. *Demonstrate the ability to practice health enhancing behaviors and avoid or reduce risks.*
8. *Demonstrate the ability to advocate for personal, family, and community health. Students will learn about emotional health, nutrition, the life cycle, disease, & environmental health.*

Course assessments will be formative and summative.

PHYSICAL EDUCATION I (1/4 credit – semester course) Grade: 9 REQUIRED COURSE*

CONTENT: This Physical Education course is designed to help students achieve the following:

1. Demonstrate competency in motor skills and movement patterns needed to perform a variety of physical activities.
2. Demonstrate an understanding of movement concepts, principles, strategies and tactics as they apply to the learning and performance of various physical activities.
3. Participate regularly in physical activity.
4. Achieve and maintain a health-enhancing level of physical fitness.
5. Exhibits responsible personal behavior and social behavior that respects self and others in physical activity settings.
6. Value physical activity for health, enjoyment, challenge, self-expression and/or social interaction.

Content of the course deals with the utilization level of game play and skills in chasing and fleeing activities, cooperative activities, target activities, net & wall activities, invasion activities, fielding activities, and fitness activities. This course's fitness, skill, peer, personal, written, and project assessments are formative and summative.

PHYSICAL EDUCATION II (1/4 credit - semester course) Grade: 10 REQUIRED COURSE*

CONTENT: Physical Education 10 is a continuation of Physical Education 9 with classroom performance expectation levels at proficient.

PE WAIVER

Lordstown students who complete two seasons of varsity athletics are eligible for a PE waiver. Waiver forms can be found in the main office.

LIFETIME SPORTS

(1/2 credit) Grades: 11, 12

PREREQUISITE: Successful passage of .5 PE

CONTENT: Lifetime Sports is a high school course for both boys and girls who wish to participate in physical activities that can generally be pursued throughout one's lifetime. Students will learn rules and fundamental techniques for a variety of games. In addition, students will learn basic techniques and safety guidelines that should be allowed when exercising. Emphasis in this class will be more on development of a spirit of cooperation and good sportsmanship than on a fostering sense of competition. Because of the known health benefits associated with physical activity, it is important that students develop an understanding of the rules and fundamental techniques for games that can be played throughout one's lifetime. Having basic knowledge of a variety of games will increase the likelihood that students will become lifetime participants in physical activity.

PERSONAL WELLNESS

(1/2 credit) Grades: 11, 12

PREREQUISITE: Successful passage of .5 PE

CONTENT: Personal Wellness is a high school course for both boys and girls who wish to participate in physical activities that can generally be pursued throughout one's lifetime. Students will learn rules and fundamental techniques for a variety of games. In addition, students will learn basic techniques and safety guidelines that should be allowed when exercising. This course is a general fitness and wellness class designed to acquaint students with the nature and scope of healthy living.

WEIGHT TRAINING I/II

(½ credit - 1 semester each course) Grades 10-12

PREREQUISITE: Successful passage of .5 PE

SCIENCE

PHYSICAL SCIENCE

(1 credit) Grade: 9 REQUIRED COURSE

CONTENT: A full year class required of all freshmen students. Students will develop concepts regarding chemistry, physics, astronomy, geology, and environmental science. This study will deal with how nature is cyclical and how the universe changes in predictable ways. Lab activities will reinforce course objectives. This class is not open to any student who has completed any upper division science course. **NOTE:** This course does NOT fulfill the Ohio Honors Diploma lab science requirement.

BIOLOGY I

(1 credit) Grade: 10 REQUIRED COURSE

PREREQUISITE: Successful passage of Physical Science in grade 9

CONTENT: Basic biology is a survey of four kingdoms. Monera, Protista, Animalia, Planatae. A study of cell and organismal reproduction, microbiology, invertebrates, vertebrates, plants, and the biology of man will help the students to point out his relationship to his environment. As part of the class students will use various labs and dissections as a way to show and see the similarities and differences that exist between a wide variety of organisms. This course requires much memorization. The text will require a high degree of reading proficiency and comprehension. Additionally, there will be an emphasis on OGT concepts. **(Lab course)**

BIOLOGY II

(1 credit) Grades: 10 – 12

PREREQUISITE: Grade of “B” or better in Biology I

CONTENT: An inquiry-based continuation of Biology I with dissections of complex organisms that will aide in the understanding of the ways in which different species had evolved over time and an extended emphasis on human anatomy and physiology.

CHEMISTRY

(1 credit) Grades: 11 - 12

PREREQUISITE: Grade of “B” or better in Physical Science or Biology AND grade of “B” or better in both Algebra I and Geometry

CONTENT: This course introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Chemistry comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. Laboratory investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communications skills, and real-world applications. **(Lab course) NOTE: This course meets the advanced science requirement.**

CHEMISTRY II

(1 credit) Grade: 12

PREREQUISITE: Students will have completed both General Chemistry I and Algebra II and will have earned no less than a “B” in either subject.

CONTENT: This course is intended to prepare STEM students for their rigorous science programs in college. This is an elective course and will cover a diverse range of topics from the field of chemistry. The first quarter will focus on Organic Chemistry. The second quarter will focus on Quantitative Analysis. The third quarter will focus on Physiological Chemistry and the final quarter will culminate in an environmental study of a local stream's water quality. Students will have the opportunity to perform research and seek to publish it if they choose. The emphasis of this course is to prepare students for complex analysis in a wide range of STEM careers whether their chemistry requirements are significant or not.

PHYSICS

(1 credit) Grade: 12

PREREQUISITE: Grade of “B” or better in Chemistry or a “C” in chemistry AND the successful passage (75%) or better of a departmentally developed Chemistry readiness test. Also required is the successful passage in two college prep math courses (Algebra I, II, Pre-calculus, and Geometry).

CONTENT: Physics is the study of the matter and is divided into the following general areas: mechanics and properties of matter, heat-light and sound, and electricity. **(Lab course) NOTE: This course meets the advanced science requirement.**

ENVIRONMENTAL SCIENCE (1 credit) Grades: 11-12

PREREQUISITE: Successful completion of Physical Science and Biology I

CONTENT: This course is intended for students who wish to complete their 3 units of science credit but are not intending to pursue careers in STEM. Students will have completed both Physical Science and Biology and may take this course in either their junior or senior years. The emphasis is not on mathematics but rather current topics that affect the air, land and water environments. It is a yearlong course that covers 3 major units: Earth Systems, Earth Resources and Major problems facing the Earth. There is a significant lab component where students will be given ample opportunity to perform hands-on activities. Students will also be required to work cooperatively with other students on projects and on presentations.

SOCIAL STUDIES

WORLD HISTORY

(1 credit) Grade: 9 REQUIRED COURSE

CONTENT: World History deals with the high spots of man's experience, the events which have most significantly affected the course of his life on earth. By studying the past students will learn how we gained our civilization, as well as learning about the people we are indebted to for our present way of life. Students, learning how people lived in the past, can benefit by learning their mistakes and correcting them in the future. Outside reports of interest to the lesson are presented from time to time. There may be projects, newspapers, magazines, television, or library searches dealing with our lesson.

UNITED STATES HISTORY

(1 credit) Grade: 10 REQUIRED COURSE

CONTENT: Students will study U.S. History from 1865 to the present. Students will study important issues, people, and events so that they can develop a sense of the past and present.

FINANCIAL MANAGEMENT

(1/2 credit) Grade: 10 REQUIRED COURSE

CONTENT: The students will develop attitudes and skills needed to achieve personal financial wellness by learning the implications of sound financial decision-making, the appropriate use of credit, and adequate insurance. Connections between values, spending decisions, income, and education will be examined.

UNITED STATES GOVERNMENT

(1 credit) Grade: 11 REQUIRED COURSE

CONTENT: The basic content of this course is geared in such a way as to create a group of people who are able to participate in and know about their government. We will do this from a basic introduction of the theories of sovereignty from relevant political theorists to the Founding Fathers. We will also break off the class into the three branches. The students will participate in a federal example of all three branches by performing in a mock Congress, a presidential election, and a Supreme Court hearing.

WORLD GEOGRAPHY

(1 credit) Grades: 11, 12

CONTENT: World Geography is the study of the world's people, places and environments with a focus on world regions. The five main themes of geography will be included in student study: Location, Place, Human-Environment Interaction, Movement and Region (relative location). Students will use geographical resources, inquiry, research and technology skills to strengthen their geographic inquiry. Students will complete a comprehensive project that includes an in depth case study of a chosen country.

HISTORY OF ROCK 'N ROLL

(1/2 credit) Grades: 11, 12

CONTENT: The History of Rock 'N Roll, a semester based elective, is an in-depth study of the origins of popular music of the 20th century and the social and historical content that gave birth to it and related genres and musical offshoots. From blues and country to punk and heavy metal, students will familiarize themselves with landmark groups, music, and movements of different periods, exploring connections between modern music and the artists from the past who have paved the way for the popular music of today. This course may include daily writing, listening to music, reports, and reading relevant texts/articles.

HISTORY OF MOTION PICTURES

(1/2 credit) Grade: 10-12

CONTENT: This course examines the history of film. From its humble beginnings as a novelty to present day blockbusters, History of Motion pictures places an emphasis on the film industry's major milestones. The course includes viewing of many significant films from the 1890s to 2010s.

ECONOMICS

(1/2 credit) Grade: 11, 12

CONTENT: This course is designed to give students a basic preparation for the use of theory in the real world. The class will have a focus on the practical and theoretical approaches of Economics in everyday life. Some of the topics that will be covered in the class include theories on supply and demand, wages, taxes, investment incomes, and the Federal Reserve System. There will also be practical applications of the class. Students will learn about credit cards, home mortgages, and Individual Retirement Accounts. Knowledge about the monetary system, the banking industry and the Federal Reserve System will be acquired.

PSYCHOLOGY

(1/2 credit) Grades: 11 - 12

CONTENT: This course can best be described as an introduction to Psychology. The main focus in this class will be the basic ideas that will lead to the more concrete concepts of Psychology. Ideas of human development will take shape based on biological processes, brain anatomy, and social constructs. The class will also delve into the philosophical development of man relative to psychological and philosophical theories. Sensation, perception, learning, and other basic concepts will be discussed. Also included in the discussion will be ideas that include behaviorism, psychoanalytic theory, social psychology, existentialism, and epistemology. **High school credit only.**

SOCIOLOGY

(1/2 credit) Grades: 11 - 12

CONTENT: An understanding of terminology and alert social observation will be two prime concerns in this course. Social experiments and their results will be discussed in an informal atmosphere. Social problems and influences will also be discussed in this class, as well as helping students to develop an understanding of, and respect for, the diverse groups in our society. There will also be an emphasis on current events and current culture relative to social ideas and norms.

THE FIRST WORLD WAR

(1/2 credit) Grades: 9 - 12

CONTENT: An examination of the origins of the war, the social, economic, intellectual and political repercussions, and the technical and military developments.

THE SECOND WORLD WAR

(1/2 credit) Grades: 9 - 12

CONTENT: An examination of the war's diplomatic and ideological origins; social, economic, and political factors; and strategic, tactical, and technological dimensions of the conflict in all major theaters.

HISTORY OF AMERICAN SPORTS

(1/2 credit) Grades: 9 - 12

CONTENT: An examination of sports within America from earliest times to the present. Special emphasis on the manner in which sports and society have influenced each other, such as racial and class relationships, social mobility, politics, religion, and foreign policy.

MOCK TRIAL AND THE COURT SYSTEM

(1/2 credit) Grades: 9 - 12

CONTENT: This course is an introduction to law and public speaking with a minor emphasis on acting/performing. The focus be primarily on studying three things: legal/court procedure, rhetoric, and public speaking. In other words, we'll be learning about how our court system works, how to use rhetoric to be more persuasive, and how to speak effectively to an audience. The Ohio Council for Law Related Education Mock Trial Case and associated preparation documents will be a focus of the class..

CONTEMPORARY ISSUES

(1/2 credit) Grades: 9 - 12

CONTENT: Introduces students to various **issues** facing the world today. Students will explore global economic systems, human rights, world health, environmental **issues**, and the role of the United States and the United Nations in a changing world.

GENERAL PSYCHOLOGY

(1 credit – College Credit Plus online course - 1 semester course)

CONTENT: An examination of scientific and clinical approaches to understanding the relationships between one's physical, mental, and emotional well-being, and quality of life, including the basic principles governing the growth and maintenance of behavior, emotion, and cognition. This course is a College Credit Plus ONLINE course through Youngstown State University. Content and syllabus are at the college level and cannot be altered. Students enrolled through YSU will receive dual credit – both high school and college credit.

AMERICAN DREAMS: INTRO TO AMERICAN HISTORY

(1 credit- College Credit Plus - 1 semester course)

CONTENT: A one semester survey of American history focusing five strategic events in the American past. The emphasis will be on culture conflict and compromise, institutions developments and revolutions, and the emergence of democracy as concept, in practice, and the impacts of ethnic, racial and economic diversity on those processes.

DISCOVERING WORLD HISTORY

(1 credit- College Credit Plus - 1 semester course)

CONTENT: This is an introduction to the content, methods, and problems of world history and historical study, with an emphasis on the relevance of the past to the conditions and events of our own times. Organized thematically rather than chronologically, the course investigates a representative group of specific events, developments and themes from

each of six categories: Empire and War; Religious Development and Conflict; Society, Environment and Disease; Political Forms, Change and Revolutions; Gender, Class and Race; and Technology and Science. In each of these categories, we will delve into the process of how historians make history in order to answer questions on contemporary events based on the course categories. The course will also concentrate on the skills necessary to be a good historian and a good college student: reading documents, comparing historical interpretations, reviewing historical works, and citing and writing about them all.

INVESTIGATIONS INTO SOCIAL CLASS IN AMERICA (1 credit- College Credit Plus - 1 semester course)

CONTENT: Students will be introduced to, and come to understand, the causes of poverty, the hidden rules of economic class, the resources for a stable, rich life, and the process of change. Students will also understand the assessment process, as well as the planning process needed for success in their future.