

**2019-2020**  
**Graduation Requirements and Four-Year Plan**  
**Yellow Springs High School**

**To earn a Diploma from Yellow Springs High School, a student must:**

1. Earn 21 credits as defined below
2. Meet the new testing requirements explained below (beginning with the class of 2018)
3. Complete 45 hours of community service
4. Complete a senior capstone (project, internship, focused community service)

**Credits required to graduate:**

*21 credits, including:*

- English: 4 credits
- Math: 4 credits including Math III or the equivalent (Algebra II, Intermediate Algebra, or General Integrated Math III)
- Science: 3 credits, including 1 Life/Biological Science, 1 Physical Science and 1 advanced science in chemistry, physics, biology or other science
- Social Studies: 3 credits, including 1 US History, ½ Government; and for class of 2021 and beyond, ½ credit of World History
- Health: ½ credit
- Physical Education: ½ credit (2 semesters) or exemption (see below)
- Elective Credits: Credits must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education, or English language arts, mathematics, science, or social studies courses not otherwise required
- Fine Arts: 2 semesters taken any time between grades 7 and 12

**2019-2020 School Fees**

- AP Biology, Calculus, Chemistry, Physics \$15
- AP Exams \$95 each
- Human Anatomy \$25
- Art \$35
- Advanced PE \$25
- Digital Arts \$35
- Sculpture/Ceramics \$35
- 3-D Art: Wood and Metals \$35
- Musical Instrument Rental \$40

## **Testing requirements beginning with the class of 2018:**

### **Assessments**

In addition to course credits, students will earn points toward graduation on seven end-of-course exams. The courses in which students take an end-of-course exam will be: English 9 and 10, Integrated Math I, Integrated Math II, Biology, American History and American Government. Students can earn from 1-5 points for each exam, based on their performance.

- 5 – Advanced
- 4 – Accelerated
- 3 – Proficient
- 2 – Basic
- 1 – Limited

Students who take Physical Science, American History or American Government as part of Advanced Placement, International Baccalaureate, college dual credit or Credit Flexibility programs can use their scores from the programs' end-of-course exams in place of the state end-of-course exam scores to accumulate graduation points.

### **Exam Retakes**

Students that score below proficient on an exam may retake it after they receive some extra help on the material. Students that score proficient or higher on an end of course exam can retake exams only if, once they take all the exams, they have not met the minimum graduation points to graduate. In this case, a student can retake any exam after receiving some extra help on the material. The same rules apply to substitute exams, which may be used interchangeably with approved tests.

### **Graduation Points**

With few exceptions, students must accumulate a minimum of 18 points from scores on their end of course exams to become eligible for a diploma. These must include 4 points in English, 4 points in math, and 6 points from across science and social studies.

### **More Flexibility for Students and Families**

Students who do not earn the required number of graduation points can still meet the requirements for a diploma if they earn a remediation-free score on a national college admission test. The ACT assessment will be given to students free of charge in the spring of their junior year starting with the graduating class of 2018. In addition to the ACT offered at YSHS, a student could earn remediation-free scores on an ACT or SAT that is taken at a national testing date, as well. The remediation-free scores on the ACT are 18 English, 22 reading, 22 math and 23 science. On the SAT, they are 430 writing, 450 reading, and 520 math. Students also can qualify for graduation by earning an approved industry-recognized credential and achieving a workforce-readiness score on the WorkKeys job skills assessment.

**To earn a Diploma with Honors from Yellow Springs High School, a student must earn 7 of the following 8 criteria:**

1. Earn four units of English;
2. Earn four units of mathematics which shall include Math I, Math II, Math III and another higher level course or a four-year sequence of courses which contains equivalent content (Algebra I, Algebra II, Geometry and another higher level course);
3. Earn four units of science including one unit of physics and one unit of chemistry;
4. Earn four units of social studies;
5. Earn three units of world languages (must include no less than two units for which credit is sought), e.g. three units of one world language or two units of two different languages;
6. Earn one unit of fine arts;
7. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year; or
8. Obtain a composite score of 27 on the American College Testing Services' ACT assessment (excluding the optional writing test) or a combined score of 1210 on the College Board's SAT verbal and mathematics sections (excluding the writing section).

**A college preparatory curriculum** expects more than the minimum standards to graduate. The more rigorous the curriculum chosen in high school, the better the student's preparation will be for college. In general, taking a core course from each content area each year is highly recommended, as is striving to reach the most rigorous courses available within each content area (for example, striving to take AP Chemistry, AP Physics, and/or AP Biology within the science curriculum rather than taking easier courses that satisfy minimum requirements to graduate but do not excel within this content area.)

Striving to meet the Diploma with Honors requirements and excelling beyond those within each content area as much as possible is a good rule to follow for preparing you for the work you will do in college, increasing your likelihood of being admitted to the college of your choice, and increasing your chances of receiving scholarships from that college. Note that colleges look at the following when assessing an applicant:

1. Rigor of high school curriculum over the four years of high school
2. Grades in core academic classes
3. Grade point average
4. Relative position in the class (we don't report rank, but can report percentile upon request from a college)
5. Scores on the ACT or SAT
6. Student essay on the college application; letters of recommendation from content area teachers and the guidance counselor, extra-curricular involvement and leadership.

For applications at many colleges, school officials are asked to comment on the student's academic achievement, extracurricular accomplishments, and personal qualities and character, comparing them to other students in their class and to all students they've ever taught.

We're also asked to specifically comment on the following:

Academic achievement; intellectual promise; quality of writing; creative, original thought; productive class discussion; respect accorded by faculty; disciplined work habits; maturity; motivation; leadership; integrity; reaction to setbacks; concern for others; self-confidence; initiative and independence.

We're asked to say what distinguishes the student from others. As you can see, there are many fine things that students need to focus on above and beyond a minimum number of credits needed to graduate from high school. As you seek to plan out the path of courses you'll choose to take in high school, always keep your mind on the longer term goals of life after high school.

### **AP Capstone Diploma**

Students can earn the AP Capstone Diploma™ or the AP Seminar and Research Certificate™. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™.

## **Courses offered at Yellow Springs High School in each content area:**

### **English**

Required to graduate: 4

Required as part of *Diploma with Honors*: 4

- English 9
- English 10
- English 11 or CC+ English / AP Seminar
- Creative Writing or AP English Literature

### **Mathematics**

Required to graduate: 4 (Including Algebra II or Math III or the equivalent)

Required as part of *Diploma with Honors*: 4 (Including a course above Math III)

- Integrated Math I
- Integrated Math IIA
- Integrated Math II
- Integrated Math III
- Pre-Calculus (formerly Trigonometry and Functions)
- Statistics
- AP Calculus

### **Science**

Required to graduate: 3 (including 1 life or biological, 1 physical and 1 advanced science in chemistry, physics, biology or other science)

Required as part of *Diploma with Honors*: 4 (including Chemistry and Physics)

- Biology (biological)

- Chemistry (physical)
- Conceptual Physics (physical)
- AP Biology (biological)
- AP Physics I (physical) - not offered in 19/20, will be offered again in 20/21
- AP Chemistry (physical)
- Human Anatomy and Physiology (biological)

### **Social Studies**

Required to graduate: 3 (including 1 credit of US History and ½ credit of Government; beginning with class of 2021, ½ credit of World History)

Required as part of *Diploma with Honors*: 4

- World History
- United States History
- Government & Economics
- Psychology/Sociology
- AP US History
- Contemporary Issues

### **Physical Education**

Required to graduate\*: ½ credit (two semesters; each semester earns ¼ credit per state rules)

- Physical Education
- Advanced Physical Education

*\*Students who have participated in interscholastic athletics or cheerleading for at least two full seasons with at least a 95% attendance rate at practices and games/matches as defined in the YSHS Athletic Handbook, while enrolled in grades 9-12 and as documented by the Athletic Director, may be excused from the high school PE requirement (YS Policy 5460).*

### **Health**

Required to graduate: ½ credit (one semester)

- Health

### **World Language**

Required to graduate: none specifically, but these count as electives, and can count as the “required elective” among the 21 credits required to graduate.

Required as part of *Diploma with Honors*: 3 of the same foreign language, or 2 each of 2 languages

- Spanish I or French I
- Spanish II or French II
- Spanish III or French III
- Spanish IV or French IV

### **Arts and Other Electives**

Required to graduate: two semesters of fine arts any time from 7<sup>th</sup> to 12<sup>th</sup> grade

- Visual Creation I
- Visual Creation II
- Visual Creation III - Portfolio Prep
- Visual Creation IV - Senior Art Portfolio
- AP Studio Art
- Digital Photography and Image Editing
- Digital Print Design
- Video Production
- Intro to Sculpture and Ceramics
- 3-D Art: Wood and Metals
- AP Research
- Band
- Orchestra
- Engineering Principles (counts as a general elective credit)
- Engineering Design (counts as a general elective credit)
- Robotics (counts as a general elective credit) - not offered in 19/20, will be offered again in 20/21
- Aerospace Engineering (counts as a general elective credit) - offered in 19/20, will be offered again in 21/22

**Greene County Career Center**

Students can complete their last two years of high school coursework at the Greene County Career Center. Students take their academic courses in English, Math, Science, and Social Studies at the Career Center, while also specializing in one of the following programs:

|  |   |
|--|---|
| Auto Collision Repair<br>Automotive Technology<br>Career X<br>Construction Technology<br>Cosmetology<br>Criminal Justice<br>Culinary Arts<br>Digital Media<br>Electrical Wiring and Motor Controls | Equine Science<br>Health Science Academy<br>Information Technology<br>Natural Resource<br>Power Equipment Mechanics<br>Project SEARCH<br>Sports and Exercise Science<br>Veterinary Science<br>Welding and Metal Fabrication |
|--|---|

In order to be accepted at the Career Center, students need to have earned enough credits in 9th and 10th grade to be able to graduate in two more years at the Career Center. Credit deficiencies can jeopardize a student being accepted into the program of their choice. Certain programs also have grade and specific course prerequisites. See the guidance office for specific program details, or go to [www.greeneccc.com](http://www.greeneccc.com).

## **Course Descriptions**

**NOTE:** All students taking an Advanced Placement class are required to take the national AP exam in May. The cost is \$95. Payment is due by midterm of the first quarter. Any difficulties in meeting this cost or deadline should be addressed to the Principal as soon as possible to make other arrangements. There is a fee waiver for students who qualify for free or reduced lunch, meaning the student does not need to pay that exam fee. In addition to the exam fee, some AP classes have a fee for lab materials.

### **English Department**

#### **English 9**

9<sup>th</sup> grade

No prerequisite

English 9 is a freshman level language arts course loosely organized around the cowriting concept of the Hero's Journey. During this course, you will develop and apply reading comprehension strategies suitable for a variety of print material. You will also develop critical thinking skills and expand media literacy skills. Writing assignments will emphasize the writing process and consist of both creative and academic writing, including literary analysis, research writing, persuasive writing, and expository writing. The grammar and mechanics of writing learned in previous years will be reviewed, as well as literary devices and non-fiction rhetorical techniques. Reading selections will reflect a variety of genres, eras, and cultures. You will also develop and use criteria to choose independent reading materials.

#### **English 10**

10<sup>th</sup> grade

Prerequisite: English 9

Students living in America need a cultural foundation on which to base their participation in their communities, country and world. American Literature will explore the various authors, literary movements, themes, and genres that have built the foundation for American Literature. Students will demonstrate improved competency in reading comprehension and analysis, writing, speaking, and listening through process learning. Composition will consist of both creative and academic writing. Students will experience research and writing as tools to substantiate ideas and to encourage intellectual growth.

#### **English 11**

11<sup>th</sup> grade

Prerequisites: English 9, 10

#### **Course Overview**

English 11 emphasizes the reading, writing, speaking, and listening skills needed to be successful in college, the workplace, and in life. Students will self-select literature to read,

maintain a literature journal, participate in book discussion groups, and complete projects on novels. Writing assignments will include expository essays, creative writing, and a research essay. Students will also design multimedia presentations and make a variety of oral presentations, both formal and informal. The goal of the course is to have fun with reading, writing, and speaking, and to develop an understanding of how reading literature contributes to a more meaningful life.

### **AP Seminar/CC+**

11<sup>th</sup> grade

AP exam fee: \$95

Prerequisites: For AP Seminar - A or B in English 10 and/or teacher recommendation.

For CC+ - a passing score on the Clark State admission test administered during sophomore year.

### **Course Overview**

AP Seminar/CC+ is a college preparatory course that engages students in cross-curricular conversations that explore the complexities of real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Students who opt to take this course for the AP Seminar credit will be expected to submit all components of the AP exam.

### **\*Dual Enrollment Options**

Qualified students have the option to take the course for college credit and/or AP Seminar credit. Through a unique partnership with Clark State Community College, students can earn 6 semester credits, the equivalent of two college courses (ENG 1111 and ENG 1112). Qualifying students also have the option to earn AP credit for this course. The course syllabus follows the content prescribed for the AP Seminar course. All students will complete the same assignments, but students enrolled for AP credit will submit assignments to AP for external evaluation and take an AP end of course exam (in lieu of a final exam).

### **Advanced Placement English Literature**

12<sup>th</sup> grade

AP exam fee: \$95

Prerequisites: English 9, 10, and either grade 11 CC+ or AP Seminar, good grades or permission of the teacher and completion of summer reading program. Students taking this course will be expected to take the AP exam.



The primary goal of the senior Advanced Placement English class is to develop students' abilities as independent readers, writers, and thinkers while engaged in a college level course. The course will serve to develop advanced habits in critical thought as demonstrated through writing and speaking. Literature will be approached on both academic and artistic levels while students work to understand literature in its artistic sense and in its universal and historical sense. Students will study literature in a manner that allows them to develop intellect, cognitive design skills, aesthetic sensitivity, intra-and intercultural awareness, ethical sensitivity and existential maturity.

### **\*Dual Enrollment Options**

In addition to course credit for AP English, qualified students have the option to take the course for college credit. Through a unique partnership with Clark State Community College, students can earn 3 semester credits in ENG 1600.

### **Creative Writing**

Grade 12 or permission from teacher and school counselor

The Creative Writing course introduces and explores the various styles and genres of writing creatively. We will write poetry, short stories, plays, creative nonfiction, multimedia scripts, and podcasts. Assessment will largely consist of participation as we write and share daily. Daily exercises will explore elements of writing such as characterization, figurative language, syntax, diction, and narrative structure. Examples of summative assessments are vignette collections, podcasts, one-act plays, and radio dramas.

## **Mathematics Department**

### **Integrated Math I**

9th grade

Prerequisite: successful completion of 8<sup>th</sup> grade Math

This course is the first of an integrated and investigative mathematics program designed to use patterns, modeling, and conjectures to build student understanding and competency in mathematics. Since this is the first year of an integrated program, students will be trained on methods of learning as well as content. The foundational concepts of algebraic and geometric thinking provide the gateway to advanced mathematics. The following topics will be covered in Math I: Equations and Inequalities, Linear Functions, Systems, Exponents and Exponential Functions, Foundations of Geometry, Parallel and Perpendicular Lines, Transformations, Triangle Congruence, and Statistics.

### **Integrated Math II A**

9th - 10th grade

Prerequisite: successful completion of Integrated Math I

This course is the second of an integrated and investigative mathematics program designed to use patterns, modeling, and conjectures to build student understanding and competency in mathematics. Students will be expected to learn through class examples, practice outside of class, collaboration, experimentation, and conjectures. Technology, especially graphing calculators, will also play a role in learning. Students will learn mathematical sense making, make and test conjectures and justify conclusions, use mathematical models to represent real-world data, provide clear and concise answers, and have computational, vocabulary and symbolic fluency. All five of these goals are embedded in both the curriculum and the core pedagogical beliefs of the Math Department.

Students who take Math II A will be required to take Math II B during the following year.

Math II A includes the following topics: Exponents and Roots, Polynomials and Factoring, Quadratic Functions, Solving Quadratic Equations, Complex Numbers, and Working with Functions.

Math II B includes the following topics: Relationships in Triangles, Quadrilaterals and other Polygons, Similarity and Right Triangles, Probability, Coordinate Geometry, Circles, and Two- and Three-Dimensional Models.

### **Integrated Math II**

9th - 10th grade

Prerequisite: successful completion of Integrated Math I

This course is the second of an integrated and investigative mathematics program designed to use patterns, modeling, and conjectures to build student understanding and competency in mathematics. Students will be expected to learn through class examples, practice outside of class, collaboration, experimentation, and conjectures. Technology, especially graphing calculators, will also play a role in learning. Students will learn mathematical sense making, make and test conjectures and justify conclusions, use mathematical models to represent real-world data, provide clear and concise answers, and have computational, vocabulary and symbolic fluency. All five of these goals are embedded in both the curriculum and the core pedagogical beliefs of the Math Department.

### **Integrated Math III**

10th-12th grade

Prerequisite: successful completion of Integrated Math II

This course topics include recognizing and developing patterns using tables, graphs and equations. Mathematical modeling is stressed as a methodology for approaching the solution to problems. Students will explore operations on algebraic expressions, and apply mathematical properties to algebraic equations. Students will problem solve using equations, graphs and tables. Students will expand their knowledge of linear, exponential, and quadratic functions to

polynomials, rationals, and trigonometric functions. Technology tools will still play an important role in learning.

**Pre-Calculus** (formerly Trigonometry and Functions)

11<sup>th</sup> – 12<sup>th</sup> grade

Prerequisites: successful completion of Math I, Math II, and Math III

This course is designed for students who intend to further study math and science beyond high school and provides an excellent preparation for AP Calculus. The first semester of class covers trigonometry and focuses on applications of trigonometry; including ratios and functions, solving triangles, identities, properties, solutions of equations, and periodic graphs. During the second semester students will analyze linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions. This course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses.

**Statistics**

11<sup>th</sup> – 12<sup>th</sup> grade

Prerequisites: successful completion of Math I, Math II, and Math III

This year-long course will introduce students to statistical concepts and calculations. The course will cover measures of central tendency, probability distributions, correlation vs. causation, variance and other real-world applications of statistics. This class is intended for students who are planning on attending college and are considering a major in which statistics might be beneficial.

**AP Calculus**

11<sup>th</sup> – 12<sup>th</sup> grade

AP course fee: \$15

AP exam fee: \$95

Prerequisite: Pre-Calculus (formerly Trigonometry and Functions)

Students taking this course will be expected to take the AP exam.

AP Calculus AB is the study of limits, derivatives, definite and indefinite integrals, and the Fundamental Theorem of Calculus. Consistent with AP philosophy, concepts will be expressed and analyzed geometrically, numerically, analytically, and verbally. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Success in AP Calculus is tied to the preparation students have leading up to their enrollment in this course which includes a comprehensive study of algebra, geometry, coordinate geometry, trigonometry, and functions.

## Science Department

### **Biology**

9<sup>th</sup> grade

Biology is taught at a level such that students can successfully achieve a laboratory science credit. The classroom section includes biochemistry, cell biology, genetics, evolution, ecology, biotechnology, and basic anatomy of the fetal pigs and perch. Students will learn through inquiry lab experiments, lab reports, projects, lecture, lab practical, and written tests. Students learn more about lab safety and the use of microscopes. It is strongly recommended for college-bound students.

### **Chemistry**

10<sup>th</sup> grade

Prerequisites: Biology

This is an in-depth chemistry course, especially relevant for the student interested in a science, medical or engineering career. Emphasis will be on high-level problem solving, math, reading and writing. Laboratory and project work emphasized, with multiple labs/projects per quarter. Taking chemistry is recommended before taking AP Biology. Lab fee \$5.00

### **AP Chemistry (offered in 2019-20 but not offered again until the 2021-2022 school year.)**

11<sup>th</sup>-12<sup>th</sup> grade

AP course fee: \$15

AP exam fee: \$95

Prerequisites: Chemistry I (A, B, or teacher recommendation)

Students taking this course will be expected to take the AP exam.

Advanced Placement Chemistry is a second year chemistry course for students who want a college level course. AP Chemistry is designed to prepare students for further college study in the areas of medicine, natural science, engineering, chemistry, etc. It is a challenging, laboratory-oriented course with several shorter projects. Students investigate atomic structure, bonding, thermochemistry, quantitative analysis, kinetics, equilibrium, and electrochemistry.

### **Conceptual Physics**

10<sup>th</sup>-12<sup>th</sup> grade

Conceptual Physics is an introductory physics course with an emphasis on the fundamentals of physics, applications of physics in projects, and reasoning behind equations. The goal is to refine and expand everyday thinking. Mathematics is less of a focus than it is in AP Physics. However, Conceptual Physics serves as a good foundation for future college level courses in physics, chemistry, and biology. Conceptual Physics may be taken as a precursor to AP Physics I (offered every other year). Lab fee \$5.00

### **AP Physics I - (not offered in 2019-20 but will be offered again in the 2020-21 school year)**

10th-12th grade

AP course fee: \$15

AP exam fee: \$95

Prerequisite or Concurrent Enrollment: Math III

Students taking this course will be expected to take the AP exam.

AP Physics I: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. It is a challenging, in-depth, technical course for the college-bound student, especially important for the student interested in a science, physics, or engineering career. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, power, mechanical waves, and sound. It will also introduce DC electric circuits.

### **AP Biology**

11<sup>th</sup>-12<sup>th</sup> grade

AP course fee: \$15

AP exam fee: \$95

Prerequisites: Biology (grade of A or B); Chemistry (grade of A or B); or teacher recommendation.

Students taking this course will be expected to take the AP exam.

AP Biology uses a college textbook. Teaching methods include lectures, labs, lab reports, a lab practical on the cat, a project with a written and oral presentation, and scientific journal reviews. The course covers cytology, biochemistry, genetics, plant anatomy and physiology, human anatomy, evolution and ecology. Students will perform the twelve required AP Biology labs which will include detailed lab reports. Guest speakers and field trips are included for class enrichment. Evaluation is by objective tests and essay questions. The level of the material and the amount of writing help prepare students for college. This course is strongly recommended for anyone going into technological or scientific areas.

### **Human Anatomy and Physiology**

10th - 12th grade

Course fee: \$25

Prerequisite: successful completion of Biology

This course will be an investigation into the human anatomy and physiology. It will use the comparative anatomy of various vertebrates to understand form and functions of various human systems. Units will include: basic human body chemistry, all the major body systems and special systems (eye, ear and nose). It will be a laboratory based course that will investigate the structure and function of the human body. Students will learn through dissections, group work, projects, labs, reading materials, class discussions and activities.

Students will be able to:

- Explain the function of each organ system and how structure relates to function.
- Describe, classify, and analyze objects.
- Demonstrate ability to develop problem solving skills, using proper problem solving techniques.
- Identify key anatomical structures and demonstrate how they function.
- Engage in self directed study and be able to demonstrate that knowledge to their peers.

## **Social Studies Department**

### **World History**

9<sup>th</sup>-12<sup>th</sup> grade

No prerequisite

World History is a full-year, one-credit course designed primarily for 9th graders. It explores World History from 1500 to the present, focusing on developments in Africa, Asia, Europe, Latin America, and the Middle East. Each unit traces major historical and cultural developments as well as investigating connections to our world today. While mastering this content, students will also practice historical thinking skills through a wide range of activities to better understand the past, present and future.

### **US History**

10 -12<sup>th</sup> grade

Prerequisite: World History recommended

This course examines the history of the United States of America thematically. The students will explore topics through American History from the 1400s to modern day as they explore this country's history through multiple perspectives. The episodes of U.S. history have shaped the nature of the country today and through that study will help prepare students to attend to the challenges of the future. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The students will master the content of historical events by exploring the following themes (note: not all themes are covered in a given year): The Struggle for Equality; The Experience of Women; The Experience of African Americans; The Experience of Asian Americans; The Experience of Latino Americans; The Experience of Arab Americans; The Experience of People with Disabilities; The Experience of LGBTQ Americans; 20th Century Conflict. While learning this content, the students will master skills that apply to critical and spatial thinking, critical reading, civic participation, and empathy.

### **Government & Economics**

11-12<sup>th</sup> grade

Prerequisite: US History

This is an introductory course surveying the basic concepts and questions that drive the U.S. political system. Students will study of the origins, development, structure, and functions of American national government. Topics include the constitutional framework; federalism; the three branches of government, including the bureaucracy; civil rights and liberties; political participation and behavior; and policy formation. Upon completion, students will demonstrate an understanding of the basic concepts and participatory processes of the American political system. Basic concepts of state and local government and their relationships with the federal government are also examined. (During an election year students will become experts on the office of the Presidency in order to better understand how elections work in the United States.) During the second semester, students will learn about how individual and societal decisions allocate the world's scarce resources. Recognizing that we live in an interdependent world, the goal for this portion of the course will be to prepare students for living in a truly global economy by giving them the tools necessary to make informed decisions about micro- and macro-economic issues. Special emphasis will be placed on making rational economic decisions using sound reasoning and good research.

### **Psychology/Sociology**

11-12<sup>th</sup> grade

No prerequisite

Psychology/Sociology is a full year, one-credit course, with one semester dedicated to each subject. **Psychology** investigates behavior and mental processes with an emphasis on hands-on activities. Topics include research methods, the biology of behavior, consciousness, learning, sensation and perception, lifespan development, personality, social psychology, and psychological disorders and treatments. **Sociology** focuses on human society and social behavior, examining issues in contemporary society such as culture, deviance and social control, class, race, gender and social problems.

### **Contemporary Issues**

11-12<sup>th</sup> grade or permission from teacher and school counselor

In this class, students will examine global, national, and local issues in their historical and cultural contexts. We will investigate problems of war and peace, trade and globalization, the environment, human rights, technology, religion, food security, and foreign policy to formulate productive responses to the challenges of our time. Using skills of critical thinking, media analysis, geography, economics, cultural understanding and more. The class will explore case studies from around the world and our own backyard.

### **AP US History**

11<sup>th</sup>-12<sup>th</sup> grade

AP exam fee: \$95

Prerequisite: A or B in US History and Government and teacher recommendation

This is a writing intensive course. Students taking this course will be expected to take the AP exam.

The AP US History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials-their relevance to a given interpretive problem, reliability, and importance – and to weigh the evidence and interpretations presented in historical scholarship. An AP US History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

### **World Language Department**

#### **French I**

9<sup>th</sup>-12<sup>th</sup> grade

No prerequisite

This course is an introduction to the language through the four basic communication skills: listening, speaking, reading and writing. Conversation is stressed using basic structures. Nightly study is a must! Focus is also on the cultural aspects of French speaking people and countries.

#### **French II**

10<sup>th</sup>-12<sup>th</sup> grade

Prerequisite: French I

A continuation of the study of the French language. A more in-depth study of language, vocabulary and grammar, moving toward free-expression in speaking, listening, reading and writing skills along with a continued study of French culture is stressed. Reading comprehension and oral fluency are stressed using a variety of new structures.

#### **French III**

11<sup>th</sup>-12<sup>th</sup> grade

Prerequisites: French II

This is an advanced course in language and literature. Students will read novels, short stories, poetry and essays in French, and develop their speaking and writing skills at a higher level. Grammar review and the study of more complex structures are stressed.

#### **French IV**

12<sup>th</sup> grade

Prerequisites: French III



This is an advanced course in language and literature. Students will read novels, short stories, poetry and essays in French, and develop their speaking and writing skills at a higher level. Grammar review and the study of more complex structures are stressed.

## **Spanish**

The Spanish language courses at Yellow Springs High School are modeled after the Organic World Language methodology. This methodology promotes a proficiency-based experience conducted 100% in the target language. In order for students to show growth and achieve success in the language learning process the following elements are incorporated in every learning experience: a high degree of community development, a student-centered approach, the opportunity to be student-driven, and a desk-free learning environment that promotes communication. To learn more about Organic World Language, please visit the following link: <http://owlanguage.com/>.

## **Spanish I**

9<sup>th</sup>-12<sup>th</sup> grade

No prerequisites

The beginner level course is the first experience in the full immersion program. Only Spanish is spoken by the instructor and students at all times. Students will develop skills in speaking, listening, reading, and writing, with an emphasis on speaking. Culture is interwoven into the communicative tasks and projects. There is a much importance placed on movement, social interaction, and community development. Students should exit the course with the ability to communicate via lists and memorized phrases on topics related the students' immediate experiences and environments, such as introducing themselves and those with whom they come in contact.

## **Spanish II**

10<sup>th</sup>-12<sup>th</sup> grade

Prerequisite: Spanish I

Also considered a beginner level course, this is a continuation of skill-building in the full immersion program. Only Spanish is spoken by the instructor and students at all times. Students will develop skills in speaking, listening, reading, and writing, with an emphasis on speaking. Culture is interwoven into the communicative tasks and projects. There is a much importance placed on movement, social interaction, and community development. Students should exit the course with the ability to communicate via phrases and memorized chunks. They will also be able to ask and answer simple questions.

## **Spanish III**

11<sup>th</sup>-12<sup>th</sup> grade

Prerequisite: Spanish II

Students who have chosen to continue their pursuit of being bilingual will capitalize on their independence gained from the foundation formed from the Spanish I and II courses. The only language spoken in this course is Spanish. They will continue to develop their language proficiency with the result of communicating in simple complete sentences on a broader range of topics. Culture will continue to be interwoven into the various provided communicative tasks and project experiences.

### **Spanish IV**

11<sup>TH</sup>-12<sup>TH</sup> grade

Prerequisite: A or B in Spanish III or teacher recommendation

Students in this course will be able to communicate independently and confidently on various Topics. Here they will learn to conduct formal and informal conversations, narrate and describe in paragraph length discourse, navigate through unfamiliar linguistic scenarios, and start to incorporate a mixture of tenses in their communication on a daily basis and throughout their project experiences.

## **Health/Physical Education Department**

**Physical Education** - This semester course gives  $\frac{1}{4}$  credit, so the student will need to take it more than once to earn the required one-half credit for graduation requirements.

No prerequisite

YSHS Physical Education is an integration of physical, mental/emotional, and social wellness. The curriculum is grounded in five adolescent wellness indicators:

- Demonstration and competency in a variety of motor skills and movement patterns
- Exploring concepts related to, and developing an understanding for, different strategies, tactics, and principles and their application to physical activities
- Enhancing lifelong participation in physical activity and wellness
- Demonstration of appropriate social behaviors that respect self and others in a physical activity setting
- Value of physical activity for self enjoyment, expression, and social interaction

Activities in class will focus on developing skills and strategies to become lifelong participants in physical activity and/or sport. Students will explore a wide array of topics related to sport history, lifetime or leisure sport, outdoor education, strength and conditioning, and team games or sports. This course is designed for **ANY** student who is looking to add a movement class into their school day, as well students who are looking to fulfill their Physical Education credit required for graduation.

### **Health**

No prerequisite

Earns  $\frac{1}{2}$  Credit

Semester only course

YSHS Health Education curriculum establishes, promotes, and supports health-enhancing behaviors for students in grades 9-12. Health Education for the YSHS graduate includes topics related, but not limited to:

- Mental, Physical, and Social Health
- Human Growth and Development
- Comprehensive Sex Education
- Illegal and Illicit Substances
- Physical Activity, Nutrition, and Hygiene
- Diseases and Disorders
- Illness and Injury Prevention
- First Aid and CPR

Each YSHS student will gain the valuable skills, knowledge, and insight to make health conscious and informed decisions about their own personal, family, and community health. Project(s) and course curriculum allow for students to become independent facilitators of their health while empowering advocates for change in the school, local, and global communities.

**Advanced PE - Focus on Fitness**

Course fee: \$25

Prerequisite: Completion of one, semester-long, high school physical education course and/or current participation on a YSHS athletic team.

This ¼ credit, semester-long, physical education course is designed for students who are interested in understanding more about the human body and its physiological response to exercise. Students will participate and engage in a variety of different fitness-based activities, to develop a deeper understanding and connection to self. Students will become more familiar with concepts related to diet and personal nutrition. This class is a departure from the regular physical education classes, soliciting students who are looking to expand knowledge of fitness-based curricula, varieties of performance enhancing techniques, and nutritional coaching.

**Art Department**

**Visual Creation I**

9<sup>th</sup> grade

Course fee: \$35

No prerequisite

A keen eye for detail, art elements, design principles and styles of art are essential to the world of visual communications. Students learn proper composition with such principles as color

theory, typography and drawing. They create designs targeted for the Internet and for two- or three-dimensional products while adhering to copyright laws and deadlines.

### **Visual Creation II**

10<sup>th</sup>-12<sup>th</sup> grade

Course fee: \$35

Prerequisite: Art 1 (or Visual Creation I)

A keen eye for detail, art elements, design principles and styles of art are essential to the world of visual communications. In this level II class students continue to develop proper composition with such principles as color theory, typography and drawing. They create advanced designs targeted for the Internet and for two- or three-dimensional products while adhering to copyright laws and deadlines.

### **Visual Creation III - Portfolio Prep**

*This class will require extensive work beyond the classroom, and teacher permission*

11<sup>th</sup>-12<sup>th</sup> grade

Course fee: \$35

Prerequisite: Drawing, Painting and Printmaking I (or Visual Creation II)

Students in Visual Creation III will continue to develop the skills introduced in Visual Creation I & II. This class is for students who can be successful working independently, can meet deadlines, and are eager to design their own projects. Students will develop an art portfolio and do an in-depth focus in their chosen medium. This course will prepare students for completion of the AP Portfolio, and successful completion is required for all students who wish to take AP Studio Art.

### **Visual Creation IV - Senior Art Portfolio**

12th grade

Course fee: \$35

Prerequisite: Advanced Drawing, Painting and Printmaking (or Visual Creation III)

Students will apply the knowledge and skills gained in Visual Creation I, II, and III, as they are guided in the creation of a high quality, competitive art portfolio. This class is for students who can be successful working independently, can meet deadlines, and are eager to design their own projects. Students will develop an art portfolio and do an in-depth focus in their chosen medium.

### **AP Studio Art**

12th grade

Course fee: \$35

This class will require extensive work beyond the classroom, and teacher permission

Prerequisite: Advanced Drawing, Painting and Printmaking (or Visual Creation III)

AP students will submit their portfolios to the College Board at the end of the course. The coursework is the same as Visual Creation IV: Senior Art Portfolio, but AP students will complete more assignments and will have to meet specific criteria for the AP College Board requirements. (The AP portfolio requires 33 finished projects in 3 areas) Students can submit a portfolio in one of 2 categories: Drawing (which includes drawing and painting) or 2-D Design (which can include any traditional or nontraditional 2D artwork with a focus on design and composition).

### **Digital Photography and Image Editing**

9<sup>th</sup>-12<sup>th</sup> grade

Course fee: \$35

No prerequisite

This course focuses on manipulating images for final output through print and Web-based production. Students obtain a brief perspective on analog image editing and delve into the world of editing digital photos, illustrations and other artwork. They learn to adjust resolution and exposure, modify color, compress data and format and manage files. Students will use problem-solving strategies and work collaboratively to complete the creative process with artists, printers and Web developers.

### **Digital Print Design**

9<sup>th</sup>-12<sup>th</sup> grade

Course fee: \$35

Semester only course

Starting with understanding target audiences, demographics, product shelf life and sustainability students create designs for two- or three-dimensional products. Using workflow processes, they lay out newsletters, posters, business cards and other products. They create logo and package designs for corporate branding, marketing and advertising. Critical thinking is engaged in multiple-level critiques.

### **Video Production**

9<sup>th</sup>-12<sup>th</sup> grade

Course fee: \$35

Semester only course

This course focuses on video production for commercial use. Students plan and coordinate work with clients to produce projects on a tight timeline. They learn how to read and interpret a script, select and maintain equipment and combine graphics, text and special effects. Skills attained include pre-production documentation and planning; in-production audio and video recording; and post-production editing and distribution.

### **Intro to Sculpture/Ceramics**

9<sup>th</sup>-12<sup>th</sup> grade

Course fee: \$35

Semester only course

No prerequisite

This course is designed for students who wish to develop advanced 3D art skills. This is a foundations course which focuses on building skills with sculpture and clay media, as well as an introduction to functional arts and fibers. Students will create ceramics pieces using basic handbuilding techniques, sculpture from recycled materials (both 2D and 3D), papier maché, clay, kinetic sculpture, weaving, fiber works and more.

### **3D Art: Wood and Metals**

9<sup>th</sup>-12<sup>th</sup> grade

Course fee: \$35

Semester only course

No prerequisite

Students will transfer their knowledge of foundational art through the use of metals, fibers, clay and wood to create sculptures, free-form art, copper tooled art and signage, enameled wares, as well as jewelry and wire sculpture in this advanced art class.

## **Music Department**

### **Band**

Musical instrument rental: \$40

Prerequisite: experience playing instrument, ability to read music and director's recommendation

Band is a rehearsal/performance course with emphasis on developing all aspects of musicality on standard concert band instruments. Learning happens in a cooperative group setting. Students are expected to attend all rehearsals, performances, and competitions. Homework is on-going in the form of personal practice. Private instruction is highly recommended. A music fee of \$40.00 is charged for students using school instruments to help offset maintenance costs (including percussionists).

### **Orchestra**

9<sup>th</sup>-12<sup>th</sup> grade

Musical instrument rental: \$40

Prerequisite: experience playing instrument, ability to read music and director's recommendation

Orchestra is a rehearsal/performance course with an emphasis on developing all aspects of musicality on string orchestra instruments. Learning happens in a cooperative group setting. Students are expected to attend all rehearsals, performances, and competitions. Homework is on-going in the form of personal practice. Private instruction is highly recommended. A music fee of \$40.00 is charged for students using school instruments to help offset maintenance costs.

## **Elective Courses**

### **Engineering Principles**

This course will introduce students to fundamental engineering concepts and scientific principles associated with engineering design applications. Topics include mechanisms, energy, statics, materials, and kinematics. Additionally, students will learn material properties and electrical, control and fluid power systems. Students will learn to apply problem solving, research and design skills to create solutions to engineering challenges. Dual enrollment available through Clark State CC+. Students can receive 3 semester hours for ENT 1000: Introduction to Industrial and Engineering Technology.

### **Engineering Design**

The focus of Engineering Design is the application of the engineering design process. Topics include work-processes, optimization methods, design optimization, and risk management tools. Students will use 2D and 3D modeling software to help them design solutions to solve proposed problems, document their work, and communicate solutions. Additionally, students will interpret industry prints, and create working drawings from functional models. Emphasis is given to experimental problem solving in real systems.

### **Robotics (not offered in 2019-20 but will be offered again in the 2020-2021 school year)**

Students will apply the knowledge and skills necessary to program and operate robots, using the teach pendant as the main interface point. The students will learn robotic operations and system configurations. Students will code, compile, and debug programs using the robotic programming language.

### **Aerospace Engineering (offered in 2019-20 but not offered again until the 2021-2022 school year)**

Aerospace engineering transforms the dream of flight into vehicles that ignite our imagination. Students explore fundamentals of flight in air and space through software simulations and hands-on experiences using flite test curriculum. Students learn how these concepts apply to a career in aerospace engineering and to other engineering fields. Where can aerospace engineering take us next?

### **AP Research**

Grade 12

Prerequisite: AP Seminar or teacher permission

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a year-long investigation to address a research question. Through this inquiry,

they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4000 to 5000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

**AP Capstone Diploma:**

By taking both AP Seminar and AP Research, students can earn the AP Capstone Diploma™ or the AP Seminar and Research Certificate™. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™. Students who earn these awards can view and print their diploma or certificate online. The award is also acknowledged on any AP score report that is sent to colleges after the award has been conferred. Note: the AP Capstone Diploma and AP Seminar and Research Certificate are reported to colleges and universities as AP Scholar Awards and appear in Scholar Roster reports.