

WESTERN RESERVE HIGH SCHOOL

2026 - 27 COURSE GUIDE

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WELCOME

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Vision

Inspiring Hometown Pride, Instilling Excellence, Unlocking Pathways to Success

Mission

Empowering every student every day to learn, lead and achieve by providing a connected, safe, and innovative experience.

Beliefs

We act on our belief that all students can learn!

We accept learning as the fundamental principle of the school and examine all practices in light of their impact on learning.

We believe that all students belong to all of us.

We establish and maintain an atmosphere of mutual respect and trust.

COLLEGE PREPARATION
The State Board of Education has determined a student who is planning on attending college should take the following: 4 units of English, 4 units of Math, 3 units of Science, 3 units of Social Studies, 2-3 units of World Language and 1 unit of Fine Arts. Therefore, students seriously planning for college should include these courses in their program. Scholars are encouraged to check with their individual college as to the specific admission requirements.

COMMENCEMENT
The privilege of participation in commencement exercises is reserved for those students who have completed all of the requirements as set forth by the Western Reserve Board of Education and the State Board of Education. Students failing to meet these requirements will not be permitted to march in the formal commencement exercises, but will be granted their diploma when the requirements have been met and all fees have been paid.

GRADUATION REQUIREMENTS
Students must meet three areas as defined by the State of Ohio and the Western Reserve Board of Education to be eligible for a high school diploma. The three areas are courses, competency, and readiness and are outlined below.

COURSES Students will earn a minimum of 22 minimum credits, including the following:
- 4 units English/Language Arts
- 4 units Mathematics - including algebra, geometry, algebra II
- 3 units Science - including one life science; one physical science
- 3 units Social Studies - including american history, world history, government and economics
- ½ unit Health
- ½ unit Phys Ed
- 1 unit Fine Art
- Financial Literacy (½ unit starting with Class of 2026)

EARLY GRADUATION GUIDELINES
A student who wishes to graduate in three years instead of four should obtain the necessary Early Graduation Request Form from the High School Office. Approval will be determined by the Principal.

COMPETENCY
Students will participate in the six End-of-Course exams as defined by the Ohio Department of Education and demonstrate competency as listed below. Alternate pathways are available if testing competency is not met.
- Algebra I or Mathematics I = score of 684
- English Language Arts = score of 684

READINESS
Students will earn a minimum of TWO graduation seals, at least one of which is a state-defined seal. Specific seal requirements are available on the ODE website.

- Ohio Means Jobs Readiness Seal
- Industry-Recognized Credentials Seal
- College-Ready Seal
- Military Enlistment Seal
- Citizenship Seal
- Science Seal
- Honors Diploma Seal
- Seal of Biliteracy
- Technology Seal
- Community Service Seal (local)
- Fine and Performing Arts Seal (local)
- Student Engagement Seal (local)

State Defined Diploma Seal		Requirements
	Military Seal	Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces.
	Technology Seal	1. Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program or 2. Complete a course offered through the district or school that meets guidelines developed by the Department.
	Industry Recognized Credential Seal	Earn a 12-point approved industry-recognized credential or group of credentials totaling 12 points in a single career field.
	Citizenship Seal	1. Earn a score of proficient or higher on both the American history and American government end-of course exams; 2. Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program; or 3. Earn a final course grade of “B” or higher in American History and/or Government.
	Ohio Means Jobs Readiness Seal	Meet the requirements and criteria established for the seal, including demonstration of work-readiness and professional competencies.
	State Seal of Biliteracy	Meet the requirements and criteria, including proficiency requirements on assessments in a world language and English.
	College-Ready Seal	Earn remediation-free scores on the ACT or SAT
	Science Seal	1. Earn a score of proficient or higher on the biology end-of-course exam; 2. Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program; or 3. Earn a final course grade of “B” or higher in an advanced science course.
	Honors Diploma Seal	1. Earn a score of proficient or higher on the biology end-of-course exam; 2. Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program; or 3. Earn a final course grade of “B” or higher in an advanced science course.
Locally Defined Seals		**Requirements**
	Community Service Seal	Log 40 hours of community service, between grades 9-12, completed in a non-profit setting.
	Student Engagement Seal	Student must participate in and complete an activity that has a connection to the school district. The seal requires two years of a major activity or four years of a minor activity or a combination of one major and two minor extracurricular activities while in high school. 40+ hours = major; 40 or less hours = minor.
	Fine and Performing Arts Seal	Earn 1 credit of fine arts required for graduation AND earn one of the following: 1. participate in a public performance/presentation/exhibition; 2. Earn a 2 or higher on any Fine Arts AP exam; 3. Earn a second (full) credit in the area of Fine and Performing Arts ;OR 4. Earn forty hours of documented time on Fine and Performing Arts activities outside of class time.

DIPLOMA WITH HONORS- Class of 2026 and Beyond This chart outlines the current criteria for diploma with honors as established by the Ohio Department of Education. Students must earn all but one of the listed criteria for the specific honors diploma. Where Algebra II is listed, students can use an equivalent course to meet that requirement.

Math	4th Math must be > Alg 2
Science	1 additional unit of Advanced Science
Social Studies	1 additional unit of Social Studies
World Language	3 sequential units of one world language, or no less than 2 sequential units of two world languages studies.
GPA	3.5 on 4.0 scale
ACT / SAT	ACT: 27 or higher / SAT: 1280 or higher
Seal Requirement	Earn 2 additonal diploma seals, not including honors diploma seal
Experimental Learning	

Students may replace any of the BLUE options with a “Student Strength Demonstration.”

Student Strength options include:

- **College Credit Plus:** 12 Credits
- **AP:** 3 courses witha 3 or higher on AP test
- **CTAG:** 12 College Credits
- **Apprenticeship / Pre-Apprenticeship:** Completion or evidence of acceptance if required to be older than 18.
- **WorkKeys**: 6 or higher on all tests (void for career-tech Honors Diploma)
- **ASVAB:** Score of 50
- **Work Based Learning:** 250 Hours

SCHEDULING PROCEDURES
Serious consideration should be taken when planning course selection for the current year as well as for the student’s high school academic career. Students and parents should complete this procedure carefully as curriculum choices will directly impact post-secondary planning. Counselors and faculty members are willing to discuss any class or program with students and parents.

Students in grades 8–11 will meet with counselors in March to plan next year’s schedule. Students will enter their course requests using the Course Planner in SchooLinks and review them with a parent or guardian who will approve the requests through the parent/guardian SchooLinks login. All requests must be submitted by the deadline, as they are used to build the master schedule. Late or missing submissions may result in courses being assigned based on availability rather than student preference.

All courses are offered based on the number of students requesting each course. Western Reserve High School reserves the right to not offer any course listed in the registration booklet due to limited enrollments or special circumstances.

COURSE LOAD
Each student must be enrolled in a minimum of six (6) courses (or the approved equivalent through CCP) each semester. Students should have no more than one (1) study hall per semester unless they are enrolled in multiple CCP courses. Some courses will require a lab fee and/or workbook fee.

ATHLETIC ELIGIBILITY
During the nine weeks prior to participation, an athlete must pass five credits or their Equivalent to be eligible. In addition, the Western Reserve Board of Education prohibits students from participating in interscholastic extra-curricular activities if they have less than a 1.5 grade point average on a 4.0 scale. Athletes who fail to comply with the grading period eligibility results in ineligibility for the succeeding three week interim grading period.

According to OHSAA rules, any student enrolled in grades 9-12 are required to receive passing grades in a minimum of five, one credit courses or the equivalent, which count towards graduation, the preceding grading period to maintain eligibility for the next grading period. Likewise, students must maintain a minimum grade point average of 1.5 per grading period. Grades will be checked every three weeks for eligibility.

CHANGING A SCHEDULE DURING THE YEAR

Schedule changes after the first full week of school will be permitted only if you have enrolled in a class which proves to be too difficult. In this case, a cooperative decision will be made involving a faculty member, the student, the counselor and the principal. The principal must approve all changes.

Once you have scheduled your classes and the master schedule has been established, you cannot drop or change classes. Students should not register for any class with the attitude that if they do not like the course, they will drop it. Students registered for and scheduled into a class are expected to complete the course work.

MAKE-UP CREDITS

Summer school and online credits will be accepted toward graduation (as make-up classes only), provided administrative approval has been given prior to registration for the course. The district will accept credits earned toward graduation only from those schools chartered by the State Department of Education. This year, Western Reserve is partnering with Virtual Learning Academy (VLA) to offer credit recovery courses. Additional fees may be accessed.

CREDIT FLEXIBILITY

Credit Flexibility options are designed for students who demonstrate the ability, interest and maturity to accept personal responsibility for their learning in a select curricular area and have the opportunity to pursue it outside of Western Reserve High School with a Western Reserve Local Schools Board of Education-approved program. The purpose of the credit flexibility option is to develop learners who design their own research and learning objectives in a formal plan. Students will implement their plan outside of the traditional classroom. Students will engage in activities beyond the boundaries of traditional classroom settings that require specific work or “seat time” by taking part in an alternative learning experience in which they will demonstrate achievement of identified learning standards. Students will be required to complete a Proposal for Credit Flexibility Plan in which they will identify their educational goals, identify the standards they demonstrate, and create a timeline for completion. Students may work independently or with a credit flexibility partner identified by the student’s parent. Individuals and organizations wishing to collaborate with the student in an instructional plan will need to seek written approval from Western Reserve High School. Students participating in interscholastic athletics must follow appropriate guidelines.

Additional costs associated with student proposed activities, materials and assessments for credit flexibility will be the sole responsibility of the students and his/her parents and must be paid prior to any grade being issued.

EHOVE CAREER CENTER AND CAREER TECHNICAL EDUCATION

As an extension of Western Reserve High School, EHOVE Career Center offers training in career areas along with a variety of academic courses. Students completing a program at the EHOVE Career Center will receive a Certificate of Completion in addition to a diploma from Western Reserve High School. Attending EHOVE Career Center allows students to learn skills and get a head start towards a chosen career.

Acceptance Guidelines for Freshmen Applying for Sophomore Year: 1. Completed only one year of high school;

Acceptance Guidelines for Sophomores Applying for Junior Year: 1. Completed two years of high school.

Career Area	Program Names
Art and Technology	Computer and Networking Technology | Cyber Security | Visual and Interactive Media
Business	Business and Marketing | Job Connections
Education & Services	Cosmetology | Culinary Arts | Education and Family Careers
Engineering & Trades	Construction Tech | Electrical Tech | Engineering Tech | Welding | Robotics
Health Sciences	Exercise Science and Rehab Therapy | Medical Careers
Public Safety	Criminal Justice | Firefighter/EMT
Transportation Services	Auto Tech | Collision and Refinishing | Diesel Tech
Back on Track	Career Based Intervention | Fast Forward
Sophomore Programs	Career Exploration | Explore STEM

COLLEGE CREDIT PLUS (CCP)

A program in which qualified students in grades 7-12 may enroll at a public or private college or degree-granting technical school to complete courses for high school and college credit. Courses taken through CCP are free; that means no cost for tuition, books or fees. However, responsibility for transportation rests with the student. In addition, if a student receives a W, NC, or F, they will be responsible for the cost of the course and all costs associated.

A letter of intent to participate must be given to the school district by April 1 of their intent to enroll in the program for the following school year. Note: failure to provide such notice will make a student ineligible to participate in the program.

Western Reserve High School will host a College Credit Plus Information Night in February to explain the admission process and discuss implications of participation. Attendance at this meeting is strongly recommended for families considering this option as critical information about participation will be presented.

The minimum requirements for participation in CCP vary based on the college or university of attendance. Each institution of higher education applies its own admission standards, selects the student data to be considered and sets its own standards for measuring students' college-readiness. Oftentimes, this determination is accessed by participation in a standardized test including the ACT, SAT and/or Accuplacer. The high school counselors are available to help you understand options, deadlines and how to proceed. Admission is not guaranteed.

High school credit awarded for courses successfully completed under College Credit Plus will satisfy graduation requirements and subject area requirements of the school district. Courses completed under College Credit Plus must be listed on the high school transcript. Students may earn a maximum of 30 credit hours per year including those courses taken at the high school. A student must schedule enough credits at high school and/or college to maintain a full-time student status of at least five (5) units of credit per school year. All College Credit Plus courses will be computed into the student's GPA using a difficulty scale. CCP courses in English, science and math will also receive a weighted point value toward cumulative grade point average.

CCP DIFFICULTY SCALE: A = 4.33 pts B = 3.33 pts C = 2.33 pts D = 1.33 pts

Classes failed or withdrawn with an "F" will receive an "F" on the high school and college transcripts and will be computed into the high school and college GPA. Students who do not receive a passing grade or do not attend the class will be responsible for all fees and expenses related to the college course including textbooks. Western Reserve Local School District will withhold grades and credits received for high school courses taken until reimbursement has been made.

If you are a student athlete, you must remain eligible in accordance with the Ohio High School Athletic Association (OHSAA) bylaws. To be athletically eligible, students must be passing five, one credit courses or the equivalent per grading period with the high school and college courses combined. Most College Credit Plus courses taken during a semester will equal two Carnegie units, allowing students to earn more than the required five for athletic eligibility.

The school district is not responsible for student scheduling conflicts that occur as a result of their participating in CCP. The high school counselor will work with each student individually to help with any conflicts. All students taking coursework at another campus must inform the Western Reserve High School Counselor of enrolled courses to determine fulfillment of graduation requirements and allowance of Carnegie units.

For more information about College Credit Plus, visit the following site: https://highered.ohio.gov/initiatives/access-acceleration/college-credit-plus

ACADEMIC AND CAREER TESTING

END OF COURSE EXAMS

One pathway to graduation is earning a competency score of 684 or higher on the Algebra I (or Integrated Math I) and English Language Arts II End of Course exams. Students must take the six end-of-course state tests, which include: Algebra I (or Integrated Math I), English Language Arts II, Geometry (or Integrated Math II), Biology, American History and Government.. A student's score on their End of Course exams can help them to earn a diploma seal.

ACCUPLACER

ACCUPLACER is an integrated system of computer-adaptive assessments designed to evaluate students' skills in reading, writing, and mathematics. For over 30 years, ACCUPLACER has been used successfully to assess student preparedness for introductory credit-bearing college courses. ACCUPLACER delivers immediate and precise results, offering both placement and diagnostic tests, to support intervention and help answer the challenges of accurate placement and remediation. The ACCUPLACER assessment is used by BGSU Firelands and LCCC for admission and course placement consideration. Students may test at our CCP partner schools. For more information on this test and practice materials, visit the following site: https://accuplacer.collegeboard.org/student/practice

THE ACT TEST

This test, designed to measure curriculum mastery and predict college preparedness, is a required part of admission requirements for most colleges and universities across the country. Per state requirements, all public school districts will administer a college entrance examination to juniors during their spring semester. This ACT administration will be offered to students free of charge and the official results may be used for college admission. Western Reserve High School staff will coordinate registration and accommodation approval (if applicable) for this administration.

In addition to the state-wide ACT administration, there are generally five nationwide Saturday test dates for ACT. Dates are published on a year-to-year basis, but tests are generally offered in October, December, February, April and June. Costs are approximately $40-$60 per test. Students may choose to register for subsequent administrations of the ACT to improve their scores. The ACT may be taken any number of times with only the best scores counting for college admissions and scholarships. It is strongly encouraged that families research the individual admission requirements for each post-secondary institution when deciding if additional testing is necessary.

ASVAB (ARMED SERVICES VOCATIONAL APTITUDE BATTERY)

Given and monitored by the military, the main purpose is for enlistment into the military and subsequent assignment to a career field. A secondary reason for taking the test is for career exploration. The test is given on a voluntary basis in October to interested juniors and seniors at Western Reserve High School. The test results can be used for military and civilian career exploration.

PSAT/NMSQT (PRACTICE SAT/NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST)

This is a voluntary test for juniors, usually given during school on the third Wednesday in October. Areas tested are English, Math and Writing skills. The test takes about three hours to administer and is given at Western Reserve High School. To be eligible for the National Merit Scholarship Program, students must participate in the test as a junior. The top 10 to 15 percent of sophomores will be offered testing based on test availability, but scores of sophomores are for prediction only and do not qualify them for any scholarships. Fee varies each year with the fee due before testing. This test measures ability level, helps the student identify career interests, and allows them to request information from colleges through their interests.

THE SAT TEST

The SAT is one of two standardized college admissions tests in the US. It is meant to show schools how prepared you are for college by measuring key skills like reading comprehension, computational ability, and clarity of expression. Because so many students take the test, it also provides schools with data about how you compare to your peers nationwide.

WORKKEYS

The assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance. Individuals who successfully complete the three WorkKeys assessments – : Applied Math, Graphic Literacy, and Workplace Documents – earn the WorkKeys National Career Readiness Certificate® (WorkKeysNCRC®), a valuable credential for students and job seekers seeking to verify foundational workplace skills. ACT WorkKeys also offers additional assessments to measure interests, values, and behaviors that can lead to greater job satisfaction.

YOUSCIENCE

YouScience Discovery is a personalized aptitude-based college and career guidance solution. Students take a series of brain games to discover their aptitudes, interests and matching best-fit careers. Students who understand their aptitudes are empowered. They find relevance and a meaningful direction in school and beyond. The YouScience assessment is given during the first week of school freshman year; a point in time when aptitudes are generally formed.

The results from YouScience not only match careers, but provide information beneficial to preparing resumes, essays, interviews and applications. Students can retake the interest components of the test.

LANGUAGE ARTS

0100 Language Arts 9 *1 year ½ credit per semester* English Language Arts 9 is a genres-based literature course aligned to Ohio's Learning Standards. Students will study fiction, nonfiction, poetry, and drama literary forms. Writing instruction will emphasize literary analysis, creative writing such as narratives and poetry, in addition to essay writing, which will emphasize organization and structure based on a thesis statement. Students will study vocabulary and be instructed in sentence structure. Students will read several novels independently throughout the year.

0101 Honors Language Arts 9 *1 year ½ credit per semester* Prerequisite: Teacher permission based on evaluation (see Appendix A), state test scores, and end of course exams. This course will cover the same topics skills as English Language Arts 9 but move at a faster pace. There will be less review and more application with a more in-depth study of topics. This course is designed for a self-motivated individual. **Students will be expected to complete a summer reading assignment and will read several novels independently throughout the year. Carries an additional weight of 0.0224 per semester.**

0105 Language Arts 10 *1 year ½ credit per semester* Language Arts 10 is a language arts this course that focuses on academic skills needed for successful passage of the end-of-course exam . Emphasis will be placed on reading, vocabulary, composition, and grammar. Students will write expository, persuasive, and narrative compositions and will receive intensive review in writing conventions. Students study vocabulary and grammar in the context of their writing and literature. Also included are literature (short story), novel, nonfiction, and drama, as well as independent reading. Required EOC exam; minimum competency score of 684 required.

0106 Honors Language Arts 10 *1 year ½ credit per semester* Prerequisite: Teacher permission based on evaluation (see Appendix A) and ~~i-Ready~~ iXL and/or state test scores. This course will cover the same topics as Language Arts 10, but students will study works at deeper levels of application and evaluation. Vocabulary studies will include Latin roots. This course is designed for the self-motivated individual. Students may be expected to complete a summer reading assignment. Required EOC exam; minimum competency score of 684 required. **Carries an additional weight of 0.0224 per semester.**

0110 Language Arts 11 *1 year ½ credit per semester* Language Arts 11 is a course aligned to Ohio's Learning Standards with a concentration on American and British literature. Students will compose writings of an expository, persuasive, research, and reflective nature. Students will study vocabulary and receive intensive review of and instruction in sentence structure including simple, complex, compound, and compound-complex sentences as well as preparation for the ACT. Students are expected to read several novels independently throughout the year.

0115 Language Arts 12 *1 year ½ credit per semester* Language Arts 12 is a challenging course designed to prepare students for post-secondary college and career. A Senior Project with a career shadowing component is required. Students will write extensively, prepare a career portfolio, prepare for the ACT, and learn vocabulary words recommended for entering college freshmen. Students are expected to read several novels independently throughout the year.

CCP BGSU WRIT 1110 *1 sem 1 credit* Prerequisite: Students requesting CCP courses must achieve College Readiness through GPA, Accuplacer or ACT score to be eligible for this course and complete the CCP application process. This course provides a theoretical and practical foundation for college writers and lays important groundwork for future academic reading and writing experiences. This workshop-based course explores diverse intellectual practices associated with effective writing, including analyzing and producing genres, investigating individual writing processes, and reflecting on one's learning with an eye toward transferring writing knowledge to new situations. Students explore and experience how writing works in worlds they inhabit by composing digital, visual, narrative, and expository arguments.

CCP BGSU WRIT 1120 *1 sem 1 credit* Prerequisite: Students requesting CCP courses must achieve College Readiness through GPA, Accuplacer or ACT score to be eligible for this course and complete the CCP application process. Successful completion of WRIT 1110. This course builds on foundational understandings of academic reading and writing with a focus on inquiry-based writing. By engaging in a range of writing tasks, both informal and formal, students pursue person- and library-based research writing that has meaning to them personally. Students also continue to build confidence as readers, writers, and critical thinkers, adding their voices to ongoing conversations. Using a workshop approach, students practice strategies for representing, through reflective writing, their research and composing processes to a range of audiences.

Creative Communications 1 sem 1 credit This course is designed to help students express their ideas clearly, confidently, and creatively. Students will strengthen their speaking and listening skills while learning how to organize and share information in engaging ways. Through a variety of interactive projects, students will explore multiple forms of communication, including verbal, visual, and digital formats. Projects may include creating commercials, delivering presentations, writing comic strips, producing podcasts, and presenting short speeches (casual, persuasive, and informative). This course encourages creativity, collaboration, and confidence while building essential communication skills students can use in school and beyond. This course will receive elective credit and does not count as one of the four English credits required for graduation.

Media and Film Studies *1 sem 1 credit* Prerequisite: Open to Juniors and Seniors. Students in this class will study the rhetoric of various media, such as film, literature, poetry, music, and speeches. Students will analyze these works, participate in seminar discussions, and compose argumentative and reflective pieces. In addition, students will complete their own short work of fiction and participate in a writer's workshop to develop this piece. Instruction in this supplemental ELA course will be centered on the benchmarks of the ELA Content Standards.This course will receive elective credit and does not count as one of the four English credits required for graduation.

MATHEMATICS

0210 Algebra I *1 year ½ credit per semester* Algebra I explores math beyond traditional arithmetic. This course prepares students for the Ohio State Tests. Positive and negative numbers will be studied along with equations and inequalities. Students who take this class will also graph extensively. Further studies will include: multiplying polynomials, factoring polynomials, and simplifying algebraic expressions. Students will explore real-life applications. A scientific calculator is required. Students may purchase a TI-84 plus calculator in lieu of a scientific calculator as the TI-84 plus will be required in Algebra II. Required EOC exam.

0215 Geometry *1 year ½ credit per semester* This course will include theory and application of plane geometry and solid geometry. From the simplest figure studied in geometry (a point) to the more complicated solid figures, this class will challenge students to THINK. Topics covered will include points, lines, planes, angles, congruent triangles, similar polygons, circles, and much more. Algebraic skills are reviewed and strengthened throughout the course as they are used for solving problems in geometry. A scientific calculator is required. Students may purchase a TI-84 plus calculator in lieu of a scientific calculator as the TI-84 plus will be required in Algebra II. Required EOC exam.

0225 Algebra II *1 year ½ credit per semester* Algebra II provides an in-depth analysis of linear, quadratic, polynomial, radical, rational, logarithmic, exponential, and some trigonometric expressions, equations and inequalities. Some discrete concepts, such as matrices, sequences, series and probability will also be introduced and applied. Topics in statistics will be covered throughout the course. After completion of Algebra II, students will be prepared to take the college entrance tests such as the ACT and the SAT. A graphing calculator TI 84 plus is required.

0230 Pre-Calculus/Intro to Calculus *1 year ½ credit per semester* Prerequisite: Student must maintain at least a C or higher in Algebra II and receive teacher recommendation. This course is designed for the student who is proficient in mathematics and who desires a strong math background for college. Successful completion of this course will give the student a good understanding of the mathematics to be encountered in his or her freshman year of college. Precalculus topics such as trigonometry, analytic geometry, probability and statistics, and some calculus and computer language theory will be discussed. A graphing calculator TI 84 plus is required. One will be provided, if the student does not purchase one, and a fee may be charged for its use. Carries an additional weight of 0.0224 per semester.

0235 Calculus *1 year ½ credit per semester* Prerequisite: Pre-calculus or teacher permission. Calculus is an advanced mathematics course designed to develop students' understanding of the fundamental concepts of limits, derivatives, and integrals, as outlined by Ohio's Learning Standards for Mathematics. Through a blend of analytical, graphical, and numerical approaches, students will explore how rates of change and accumulation are used to model and solve real-world problems. Emphasis is placed on critical thinking, problem-solving, and mathematical reasoning, preparing students for future studies in mathematics, science, engineering, and other technical fields. Carries an additional weight of 0.0224 per semester. Students will have the opportunity to earn Advanced Placement (AP) credit through testing, although not required.

0240 Consumer Math *1 year ½ credit per semester* Prerequisite: senior status. This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. Topics covered include: paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards and interest calculations.

CCP BGSU MATH 1150 *1 sem 1 credit* Prerequisites: Admission into CCP program; adequate score on placement test. This is an Intro to Statistics course. The main objective of MATH 1150 is to give an elementary introduction to the practice of statistics. This course will give insight into how a statistician gathers, summarizes, and draws conclusions from data. We are surrounded everyday by numerical information and graphical material. At the end of the course, the student should be a critical consumer of this information.

CCP BGSU MATH 1220 *1 sem 1 credit* Prerequisite: Admission into CCP program; two years of high school algebra, one year of geometry and a satisfactory placement exam score. This is a college algebra course. Graphing, algebra, functions and their graphs, factoring, polynomials, rational expressions, rational exponents, linear and quadratic functions and their applications.

FOUNDATIONAL SCIENCES

0330 Physical Science *1 year ½ credit per semester* Fee: $20.00 Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy, and motion. A unified understanding of phenomena in physical, living, Earth, and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspectives and mathematical reasoning. Meets the physical science graduation requirement.

0305 Biology *1 year ½ credit per semester* Fee: $20.00 This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment, and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world applications. Required EOC exam. EOC test scores and/or student final grade can be used to earn the Science Seal. Meets the life science graduation requirement.

0350 Environmental Science *1 year ½ credit per semester* Fee: $10.00 Environmental science incorporates biology, chemistry, physics and physical geology and introduces students to key concepts, principles and theories within environmental science. Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

0320 Chemistry *1 year ½ credit per semester* Fee: $5.95 Prerequisites: Algebra I and Biology. Chemistry comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The study of matter through the exploration of classification, its structure, and its interactions is how this course is organized. Investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world applications. An understanding of leading theories and how they have informed current knowledge prepares students with higher order cognitive capabilities of evaluation, predication, and application. Advanced science course for honor diploma and/or science seal. Carries an additional weight of 0.0224 per semester.

0325 Physics *1 year ½ credit per semester* Fee: $10.00 Prerequisite: Algebra I and II and Geometry Physics elaborates on the study of the key concepts of motion, forces, and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students engage in investigations to understand and explain motion, forces, and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world applications. Carries a weighted grade of 0.0224 per semester. Students will have the opportunity to earn Advanced Placement (AP) credit through testing, although not required.

HEALTH SCIENCES

0340 Principles of Biomedical Science (PLTW) *1 year ½ credit per semester* This course serves to provide foundational knowledge and skills in fields such as biology, anatomy and physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real-world situations, cases, and problems. Through both individual and collaborative team activities, projects, and problems, students will tackle real-world challenges faced by biomedical professionals in the field, develop skill in technical documentation to represent and communicate experimental finds and solutions to problems, explore how connections to to other disciplines such as computer science and engineering shape the future of medicine, and practice collaboration techniques that will help them connect with professionals across any field.

0345 Human Body Systems (PLTW) *1 year ½ credit per semester* Prerequisite: Principles of Biomedical Science. This course provides foundational knowledge and skills in anatomy and physiology, clinical medicine, and laboratory research. The course engages students in how this content can be applied to real-world situations, cases, and problems. The HBS course includes interviews, challenges, and testimonials from biomedical professionals in a variety of settings—clinical, research, and public health. Through both individual and collaborative team activities, projects, and problems, students tackle real-world challenges that biomedical professionals face in the field. Students work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work.

ENGINEERING SCIENCES

0365 Engineering I: Engineering Design *1 year ½ credit per semester* Students are introduced to the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D modeling software. Meets the physical science graduation requirement.

0370 Engineering II: Engineering Principles *1 year ½ credit per semester* Prerequisite: Engineering I (C or better): Engineering Design. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and motion. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students receive physics content in this course.

0375 Engineering III: Digital Electronics *1 year ½ credit per semester* Prerequisite: Engineering II (C or better): Engineering Principles or senior status. Students are introduced to the process of combinational and sequential logic design. The system uses a precise sequence of discrete voltages, representing numbers, non-numeric symbols or commands for input, processing, transmission, storage, or display. Engineering standards and methods for technical documentation will also be learned.

0380 Engineering IV: Architectural Design - Structural and Mechanical/Electrical/Plumbing *1 year ½ credit per semester* Prerequisite:Engineering II (C or better): Engineering Principles or senior status. Students will learn 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 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.

COMPUTER SCIENCES

0515 Programming: Python I *1 year ½ credit per semester* In this course students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection, and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and application.

0520 Object Oriented Programming: Python II *1 year ½ credit per semester* Prerequisite: Programming: Python I Students will learn to represent programming concepts as “objects” that have data fields and associated procedures known as methods. Students will implement classes such as support static, instance method, inheritance, polymorphism, expectation handling, and object serialization. A variety of commercial and open source programs and applications will be used.

0535 Web Design: Web Development I *1 year ½ credit per semester* Prerequisite: 2026 - 2027 Junior/Senior Status 2027-2028: Object Oriented Programming: Python II Students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

0540 Interactive Application Development: *1 year ½ credit per semester* Students will learn skills to support and create interactive and engaging components for web and standalone interactive applications. Using commercial and open source programs and applications, students will master web interactivity with advanced techniques.

AGRICULTURE SCIENCES

0700 Ag, Food and Natural Resources (AFNR) 1 year ½ credit per semester Fee $35.00 This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology & bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry. This is the foundational course and is the prerequisite to all other agriculture courses offered.

0705 Animal and Plant Science *1 year ½ credit per semester* Fee: $30.00 Prerequisite: AFNR. Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. They will learn principles of plant anatomy and physiology and the role of nutrition, deficiencies, and growing environment on plant production. Throughout the course, business principles and professional skills will be examined. Together with AFNR, this course satisfies students' third science requirement.

0710 Food and Meat Science *1 year ½ credit per semester* Fee: $30.00 Prerequisite: AFNR. Students will examine the research, marketing, processing, and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, preservation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified. Together with AFNR, this course satisfies students' third science requirement.

0715 Business Management for Agricultural and Environmental Systems *1 year ½ credit per semester* Fee: $15.00 Prerequisite: AFNR or instructor permission. Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

0720 Mechanical Principles *1 year ½ credit per semester* Fee: $45.00 Prerequisite: AFNR or instructor permission. Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

AGRICULTURE SCIENCES

0725 Agronomic Systems *1 year ½ credit per semester* Fee: $15.00 Students will apply knowledge and skills required to research, develop, produce and market major agricultural and horticultural crops. Cultural and sustainable production practices will be examined while students apply scientific knowledge of plant development, nutrition and growth regulation. The knowledge and skills needed to manage water, soils, and pests related to agronomic crops will be assessed. Students will employ technological advances, communication, business, and management strategies appropriate for the industry.

0745 Veterinary Science *1 year ½ credit per semester* Fee: $35.00 Prerequisite: AFNR and Animal and Plant Science. Students will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens and classifying types of diseases and disorders. Students will perform animal health assessments and compare them to standard characteristics. Throughout the course, students will utilize principles of technology to manage information systems, and research issues affecting industry.

0740 Agriculture and Environmental Systems Capstone - *Placement 1 year ½ credit per semester* Fee: $6.00 Prerequisites: Two Ag Ed courses and passed all associated WebXams, Employment/Internship, and instructor permission. Students will apply Ag and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships. With proper paperwork and approval, students may be eligible for early release. This class is open only to seniors who have previously taken Agricultural Education courses. Students must attain 400 hours of placement to earn credit.

0750 Capstone: Advanced Mechanical Principles *1 year ½ credit per semester* Fee: $45.00 Prerequisite: Senior Status. Students will engage in and expand upon concepts learned in mechanical principles including electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

College Credit Plus credits are available from Southern State Community College for the courses listed below and would be earned simultaneously with high school credit. Students requesting CCP credit must achieve College Readiness through GPA, Accuplacer or ACT score to be eligible for this course and complete the CCP application process.

Animal and Plant Science- 4 college credit hours
Business Management- 6 college credit hours
Agronomic Systems- 4 credit hours
Veterinary Science- 8 credit hours
Ag and Envir. Sys. Capstone- 1- 9 credit hours

SOCIAL STUDIES

0615 American History *1 year ½ credit per semester* This course examines the history of the USA from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Topics include industrialization and progressivism, foreign affairs fromImperialism to post-WWI, prosperity, Depression, the New Deal, from isolation to WWII, the Cold War, social transformation in the United States, the post-Cold War world. Required EOC exam. EOC test scores and/or student final grades along with the same in government can be used to earn the Citizenship Seal.

0600 Modern World History *1 year ½ credit per semester* This course examines events from 1600 to the present. It explores the impacts of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global independence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Topics include Age of Enlightenment, Age of Revolutions, Imperialism, achievements and crises, the Cold War, and Globalization.

0625 Sociology *1 sem ½ credit* Sociology involves the study of group behavior and human relationships. This course provides excellent preparation for college-bound students as it covers significant terms and concepts relating to culture diversity and development, social institutions, interpersonal relationships and social stratification; while at the same time providing an in-depth look into social issues which affect all of us. Candid discussions of crime, poverty, adolescent problems and institutional racism are just a few of the topics covered in this course. It is an ideal opportunity for students to express their own ideas and develop their own opinions about the society in which they live and the world around them. This is a college-preparatory class that covers topics that may not be suitable for all students.

CCP Ashland PSYC 101 *1 sem 1 credit* Psychology is the science that deals with the behavior and thinking of organisms. The main emphasis is on human behavior and various items that stimulate individual thinking. Students will learn different methods for conducting psychological research and distinguish a variety of approaches associated with behaviorism, psychoanalysis, humanistic, and Gestalt psychology. Students will create several experiments and partake in the experiments of others and use interactive simulation software. Students will examine biological influences, environmental influence, social relationships and the effect of drug and alcohol abuse on human behavior. This is a college-preparatory class that covers topics that may not be suitable for all students.

0635 American Government *1 sem ½ credit* How the American people govern themselves at national, state and local levels is the basis of this course. Topics include civic involvement, civic participation and skills, basic principles of the U.S. Constitution, structure and functions of the federal government, role of the people, Ohio's state and local governments, public policy and government and the economy. This course will challenge students in facilitating a greater understanding of the American Governmental system. A main emphasis will be given to the development and rationale behind the U.S. Constitution. This process will include discussions on federalism, checks and balances and separation of power. Students will realize good government demands individual responsibilities so our government serves the needs of its people. This course meets the student interactions with Peace Officers requirement. Required EOC exam. EOC test scores and/or student final grades along with the same in American History can be used to earn the Citizenship Seal.

0636 Economics with Financial Literacy *1 sem ½ credit* This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. Topics include economic decision making and skills (calculating accrued interest), fundamental responsibility (credit score components) and money management, saving and investing, credit and debt and risk management. The objective of the course is to introduce students to basic economic principles they can apply to their everyday lives. Concepts such as supply and demand, factors of production, specialization, economic interdependence, and the Federal Reserve will be thoroughly discussed. Students will be required to complete projects and papers both in and out of the classroom as well as "shop" for groceries, cars and housing.

HEALTH AND PHYS ED

0410 High School Health *1 sem ½ credit* This course is designed to provide students with a comprehensive approach to health education, incorporating the most current educational research in health literacy. In-depth information needed to fully understand the major concepts related to a comprehensive health and wellness curriculum will be provided. Health vocabulary will be expanded and students will be expected to participate in individual, partner and group activities. Specific topics addressed will include teenage health issues, safety of energy drinks, obesity, addiction, impact of alcoholism on families, the role of media, suicide, medications and drugs, STD's, mental illnesses and disorders, dealing with conflict, violence and abuse, body image, becoming a health literate consumer, the heroin epidemic, and prescription opioid abuse prevention. Current events in the world of Health will be presented, and health career professionals will serve as guest speakers.

0415 Physical Education *1 sem ¼ credit* This course provides students the opportunity to develop their knowledge and skills while accepting responsibility for personal fitness that can lead to an active healthy lifestyle. Students are expected to enhance higher levels of basic fitness and physical competence as needed for many work situations and active leisure participation. Health related fitness components covered will include cardio-respiratory endurance, muscular strength and endurance, flexibility and body composition. Students will also be expected to demonstrate the ability to design and develop an appropriate personal fitness program that enables them to achieve a health-enhancing level of fitness. Students will participate in fitness activities for at least 20 minutes daily, develop and master movement and skills related to lifetime sports/activities, demonstrate self-initiated behaviors that promote personal and group success in activity settings, including safe practices, adherence to rules and procedures, cooperation and teamwork. Students will need to take the course two times to meet graduation requirements.

0420 Competitive Physical Education *1 sem ¼ credit* This class will be very similar to the Physical Education course: the students in this class will be participating in many of the same activities, but may enjoy more competitive challenges. These students will be gaining the same health benefits as the original class, but will also be able to compete against others who enjoy a little more intensity in their contests.

0430 Student Wellness *1 year ½ credit per semester* Using periodic self-evaluations, goal setting, and fitness planning, students will learn the value of lifelong wellness and develop skills necessary to be physically active for life. Strength training and conditioning will be incorporated; cardiovascular endurance and muscular strength and endurance will be introduced. Students will design, implement, and evaluate personal fitness plans throughout the course. This course does not meet the graduation requirement of physical education.

0400 PE Waiver Students who complete two seasons of a high school sport, marching band and/or cheerleading are eligible for physical education waiver. Appropriate paperwork must be completed and turned in.

CAREER AND PERSONAL DEVELOPMENT

0505 Leadership *1 year ½ credit per semester* Prerequisite: junior or senior status. This course is designed to develop and strengthen essential leadership skills, including self-confidence, problem-solving, reliability, interpersonal communication, and professionalism. Through a combination of academic instruction and service-learning experiences, students are actively engaged and inspired to become lifelong leaders. The course emphasizes the application of knowledge to real-world contexts, empowering students to practice service-oriented leadership with their peers, schools, and communities.

0525 Career Connections/Internship *1 year ½ credit per semester* Students may apply to complete an internship in an area of personal interest. Internships are arranged by Mrs. Todd and take place during students' senior year, either during study halls or after school. These internships are designed to provide entry-level exposure to a specific industry or career field.
Through the internship experience, students gain the opportunity to explore their interests, identify their strengths, determine what additional training may be needed, and understand what career opportunities may be available to them after graduation. Students also have the opportunity to earn the Ohio Means Jobs Seal through successful completion of their internship.

0526 Work Based Learning *1 year ½ credit per semester* Prerequisite: junior or senior status. Must complete an application and submit a resume to Mrs. Todd. Students can find their own employment or work with Mrs. Todd to secure employment. Students have the opportunity to earn the Ohio Means Jobs Seal through this work program. Students pursuing a work experience "Graduation Seal" must complete 250 hours of work and complete a credential in their chosen pathway.

0530 Entrepreneurship: Turning Ideas into Action *1 year ½ credit per semester* Prerequisite: junior or senior status. This course provides an in-depth exploration of the entrepreneurial process, from generating innovative ideas to launching and growing a successful business. Students will learn how to identify and evaluate business opportunities, develop a solid business model, secure funding, and create sustainable strategies for growth. The course combines theory with practical, hands-on applications, providing students with the skills and mindset needed to navigate the challenges and risks of entrepreneurship. Throughout the course, students will engage in case studies, group projects, and simulations to apply the concepts learned in real-world settings. By the end of the course, students will have the tools and confidence to take their entrepreneurial ideas from concept to reality.

INSTRUMENTAL AND VOCAL MUSIC

0801 Marching Band *1st Quarter – .25 credits* Fee: $12.00 Prerequisite: Minimum two years ensemble playing experience or permission from director. Students who participate in marching band are also required to be in concert band. Marching Band emphasizes being a concert band "in motion" and utilizes a variety of marching styles and performance elements recognized by the Ohio Music Educators Association. Individual practice, sectionals, after-school rehearsals, and performances are required. The fee covers the cost of maintenance and dry-cleaning of the marching band uniform.

0802 Concert Band 2nd Quarter – .25 credits 2nd Semester – .25 credits Prerequisite: Minimum two years ensemble playing experience or permission from director. Concert Band focuses on the musical elements of balance, blend, intonation, and technique through the use of traditional wind band literature. Individual and group practices, sectionals, after-school rehearsals, and performances are required.

0804 Music Technology *1 year – ½ credit per semester* This year-long, project-based class will allow students to explore the use of technology in music composition and production. Students will engage with digital audio workstations (DAWs) such as GarageBand, Soundtrap, BandLab, Ableton, and FL Studio to compose, arrange, edit, and produce music. The class will foster skills applicable to careers in sound design, audio engineering, video game and film composition, and more.

0880 High School Choir *1 year – ½ credit per semester* Prerequisite: Must have participated in at least one year of middle school band/choir or complete an audition with the director. Mixed ensemble of men and women singing two-, three-, and four-part choral literature. This performing organization is open to any high school student who is interested in gaining singing experience through small and large group work. Students will gain vocal strength, musicality, poise, and confidence through performance preparation and execution. Competitions and solo opportunities may be made available to all members of the group. Fundraising is required throughout the year. Performances are mandatory.

WORLD LANGUAGE

0175 Spanish I *1 year ½ credit per semester* This class is for those who are truly beginning learners of the Spanish language, who enter with little to no prior experience with the language. This course will utilize the method of Comprehensible Input via TPRS (Total Proficiency through Reading and Storytelling). This method utilizes high frequency and popular vocabulary to invent, read and tell stories that are created by the class. The teacher will make it comprehensible to students via gestures and repetition. We will use the language in context in order to learn it. Culture and history will be taught via readings (in Spanish), songs and movie clips. Students will read a minimum of one beginner level novel in Spanish. Students and parents must be aware that attendance is paramount to a World Language Class. In accordance with state requirements, this class will use Spanish 90% of the time. Students will be required to demonstrate communicative tasks as established by the state in order to receive a passing grade.

0180 Spanish II *1 year ½ credit per semester* This class is for those students who can demonstrate proficiency in the state required tasks of the Emerging to Novice Low World Language Student and who want to increase their communicative abilities. The teaching method will be the same as the above Emerging to Novice Low class, but the vocabulary and cultural topics will be more advanced and more extensive. Class time will focus on acquiring the vocabulary. We will use Spanish 95% of the time in class. The teacher will make it comprehensible to students via gestures and repetition. Student data will drive story writing and creating. Students will be required to demonstrate achievement of state mandated communicative tasks in order to move toward the next level. Students at this level will read a minimum of two (2) level appropriate novels in Spanish. Students and parents must be aware that attendance is paramount to a World Language Class.

CCP LCCC SPNH 151 *1 sem 1 credit* Prerequisite: Acceptance into the CCP program including satisfactory scores on admissions tests. This is a college course taught in partnership with Lorain County Community College. Review of the fundamental structures and introduction of more complex grammatical structures and communicative skills with a balanced emphasis on speaking, listening, reading, and writing. Exploration of the civilization, culture, and customs of Spanish-speaking people. Laboratory practice using various technologies.

CCP LCCC SPNH 152 *1 sem 1 credit* Prerequisite: Acceptance into the CCP program including satisfactory scores on admissions tests; completion of SPNH 151. This is a college course taught in partnership with Lorain County Community College. Continuation of Intermediate Spanish 1. Class discussions conducted in Spanish. Further refinement of the four language skills: comprehension, speaking, reading, and writing. Introduction to a variety of topics related to Hispanic culture. Individualized practice on recording devices.

VISUAL ARTS

0900 Drawing *1 year ½ credit per semester* Fee: $15.00 This class covers skills useful in all areas of art. Students will learn how to capture what they see or can imagine on paper. Media used will be pencil, color pencil, charcoal, ink and pastel in projects mostly using their photos and imagination for reference.

0905 Painting *1 year ½ credit per semester* Fee: $20.00 Color is exciting to look at. This class will help students learn how to mix colors to achieve desired color arrangements, how to blend colors to create a 3D look, along with a variety of painting styles. Their photos and designs will be used for reference. Possible media would be tempera, watercolor, acrylic paint, etc.

0910 Intro to Metals & Glass *1 year ½ credit per semester* Fee: $30.00 per semester Students will learn the basics of metalsmithing which will include sawing, soldering, forming, enameling, and setting a stone. Some of the projects will be a ring, bracelet, and keychain. Discover some of the oldest ways of working with glass. Students will learn to cut, grind, foil and solder glass to create a stained glass piece of art. Mosaic art, fusing and casting glass will also be explored and experienced.

0915 Advanced Metals & Glass *1 year ½ credit per semester* Fee: $40.00 per semester Prerequisite: Intro to Metals/Glass. The students will explore more deeply the art of glass and metalsmithing. Students will be expected to create more complicated projects in the medium of their choice. Students will explore kiln fired glass and the use of the rolling mill with metals along with expansion of the skills learned in Intro to Glass/Metals.

0920 Ceramics/Sculpture *1 year ½ credit per semester* Fee: $25.00 per semester This is an entry level art class with the emphasis on the design and creation of three-dimensional objects in relief and full sculpture. Students will be using a variety of media with clay, paper, tag board, plaster being some of the media explored.

0925 Computer Design/Photography *1 year ½ credit per semester* The art of photography will be explored along with Adobe Illustrator, Adobe InDesign, and Adobe Photoshop. To receive a graduation seal students will need to take both semesters of Computer Design and receive a grade of B or higher. The students will have the opportunity to take a test to be accredited in Adobe Creative Cloud. Students will need to have a smartphone for taking pictures.

0930 Art Design and Production *1 year ½ credit per semester* Fee: $25.00 per semester Prerequisite: Computer Design/Photo. This high school art class blends creative exploration with real-world design and production. Students learn graphic design, illustration, typography, branding, and more while developing problem-solving skills. They apply these skills through hands-on projects using professional equipment, creating custom work for school and community clients. By managing deadlines, revisions, and quality, students gain practical, portfolio-ready experience that prepares them for future education and careers in art, design, and entrepreneurship.

0935 Yearbook Design & Modern Marketing *1 year ½ credit per semester* Prerequisite: Junior/Senior status. In this course, students will design and produce the school's yearbook. They'll learn photography, graphic design, and writing skills while working on layouts, captions, and organizing content. Students will collaborate to capture and document the key events and moments of the school year. This course is perfect for those interested in photography, design, or journalism. This is for elective credit only.

CCP Courses Offered at Western Reserve High School

Ashland PSYC 101- General Psychology I
- Facilitated by Mrs. Warzinik, typically taken as 4th Soc Stud, Junior/Senior Year

BGSU WRIT 1110- Seminar in Academic Writing
- Taught by Mrs. Miller, typically taken in place of ELA 11, Junior Year

BGSU WRIT 1120- Seminar in Research Writing
- Taught by Mrs. Miller, typically taken in place of ELA 12, Senior Year

BGSU MATH 1150- College Statistics
- Taught by Mrs. Beck, typically taken as 4th Math, Junior/Senior Year

BGSU MATH 1220- College Algebra
- Taught by Mrs. Beck, typically taken as 4th Math, Junior/Senior Year

LCCC SPNH 151G- Elementary Spanish 1
- Taught by Mrs. Klimczak, typically taken as 3rd Language, Junior/Senior Year

LCCC SPNH 152G- Elementary Spanish 2
- Taught by Mrs. Klimczak, typically taken as 4th Language, Junior/Senior Year

Southern State Community College AGRI 1101- Ag Economics
- Taught by Mrs. McKown & in conjunction with Ag Business, Soph/Junior/Senior Year

Southern State Community College AGRI 1103- Ag Business
- Taught by Mrs. McKown & in conjunction with Ag Business, Soph/Junior/Senior Year

Southern State Community College AGRI 1106- Princ. Of Crop Science
- Taught by Mrs. McKown & in conjunction with Agronomic Systems Fresh/Soph/Junior/Senior Year

Southern State Community College AGRI 1107- Princ. Of Animal Science
- Taught by Mrs. McKown & in conjunction with Vet Science, Soph/Junior/Senior Year

Southern State Community College AGRI 1114- Princ. Of Horticulture
- Taught by Mrs. McKown & in conjunction with Animal & Plant Science, Soph/Junior/Senior Year

Southern State Community College AGRI 1126- Livestock Feeds & Feeding
- Taught by Mrs. McKown & in conjunction with Vet Science, Soph/Junior/Senior Year

Southern State Community College AGRI 2200- Agriculture Field Experience
- Taught by Mrs. McKown & in conjunction with Ag Capstone, Senior Year

CALCULATING GPA

As students earn credits for high school graduation, they are establishing their grade point average. The formula used to calculate GPA is (Sum of (Point Value * Credit Value)) / (sum of credit value).

See the following example where the student attempted 5.50 credits and based on the grades earned, shows a point value of 17.5. 17.5/5.50= 3.18 GPA

AFNR	A	4.00	x	0.50	=	2.00		
Comp Apps	A	4.00	x	0.50	=	2.00		
H Geom	C-	1.67	x	0.50	=	0.835		
H Lang Arts	B	3.00	x	0.50	=	1.50		
Phys Sci	B	3.00	x	0.50	=	1.50		
W Hist	B+	3.33	x	0.50	=	1.665		
Phys Ed	A+	4.33	x	0.25	=	1.0825		
		Totals		3.25		10.5825	10.5825 / 3.25 = 3.256 GPA	

For the purpose of figuring grade point average, the letters grades will carry the following value:

A+	=	4.33	100%	B+	=	3.33	88%-89%	C+	=	2.33	78%-79%	D+	=	1.33	68%-69%
A	=	4.00	94%-99%	B	=	3.00	83%-87%	C	=	2.00	73%-77%	D	=	1.00	63%-67%
A-	=	3.67	90%-93%	B-	=	2.67	80%-82%	C-	=	1.67	70%-72%	D-	=	0.67	60%-62%
						F	=	0.00	0%-59%						

Beginning with the class of 2028

A+	=	4.00	100%	B+	=	3.33	88%-89%	C+	=	2.33	78%-79%	D+	=	1.33	68%-69%
A	=	4.00	94%-99%	B	=	3.00	83%-87%	C	=	2.00	73%-77%	D	=	1.00	63%-67%
A-	=	3.67	90%-93%	B-	=	2.67	80%-82%	C-	=	1.67	70%-72%	D-	=	0.67	60%-62%
						F	=	0.00	0%-59%						

Western Reserve High School computes accumulated grade point averages on a semester basis rather than on a yearly basis. Being as fair, informative, and truthful as possible in reporting accumulated point averages and subsequent class rank is a worthy educational policy.

CALCULATING FINAL GRADES

Each nine weeks of the grading period is worth 40% and the midterm/final exam is worth 20% of the semester average. Credit is issued at the end of each semester.

HONORS (WEIGHTED) COURSES

The following courses are considered honors courses:

- Honors Language Arts 9
- Honors Language Arts 10
- Chemistry
- Pre-calculus
- all corresponding CCP classes

NCAA INITIAL ELIGIBILITY

In order to be considered eligible to play and/or receive any scholarship money at an NCAA Division I or Division II college or university, certain academic requirements must be met. The requirements will vary depending upon the NCAA Division (I, II or III) that the university competes in. To be eligible under NCAA Division I requirements, students must:

Division I Full Qualifier. As a Division I qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division I school.

- Earn 16 NCAA-approved core courses credits.
  - Complete 10 of the 16 core courses, including seven in English, math, or science, before the start of the seventh semester.
  - Complete your 16 core course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
- Earn a minimum 2.3 core-course GPA.
- Submit final transcript with proof of graduation.

Division I Academic Redshirt.
As an academic redshirt, you may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment, but may NOT compete. You must pass either eighth quarter or nine semester hours to practice in the next term.

- Earn 16 NCAA-approved core courses credits.
- Earn a minimum 2.0 core-course GPA.
- Submit final transcript with proof of graduation.
-

Division I – 16 CORE COURSES

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of science (1 year of lab if offered by the school)
- 1 year of additional English, mathematics or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

Division II Full Qualifier. You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division II school. If you have not met all the Division II academic standards, you will be deemed a partial qualifier.

- Earn 16 NCAA-approved core courses credits.
- Earn a minimum 2.2 core-course GPA.
- Submit final transcript with proof of graduation.

Division II – 16 CORE COURSES

- 3 years of English
- 2 years of mathematics (Algebra I or higher)
- 2 years of science (1 year of lab if offered by the school)
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

Student-athletes planning to attend a Division III school are not required to have an academic certification from the Eligibility Center but may be required to have an amateurism certification.

NOTE: As of January 2023, standardized test scores are not required for all student-athletes who initially enroll full time on or after August 1, 2023. However, it is recommended students check with the school they plan to attend whether test scores are necessary for admissions or scholarship requirements.

High School Advanced English Language Arts

Student Name: _____

ELA Course for Consideration: _____

READING	0	1	2	3
Ohio State Test Grade Level:	Basic	Proficient	Accelerated	Advanced
Ohio State Test Grade Level:	Basic	Proficient	Accelerated	Advanced
Ohio State Test Grade Level:	Basic	Proficient	Accelerated	Advanced
Cognitive Abilities Test Standard Age Score Grade Level:	Up to 111	112-127	128-143	144+
Iowa AssessmentsReading Total NPR Grade Level:	0-49	50-77th	78-94th	95-99th
Summer Reading Rubric	1	2	3	4

Students must reach a minimum score of 10 points to qualify for high school Honors level English Language Arts course options. Trend data recorded below is used to determine readiness for coursework that is differentiated from the standard curriculum in depth, breadth, complexity, and/or pace. Above grade-level content and performance standards may also be included in Advanced or Honors course expectations.

A score of 9 points will be reviewed for possible consideration depending upon trend data and most recent scores. Scores of 8 or below will not be considered for advanced classwork.

Supplemental Materials

AGRICULTURE SCIENCE SAMPLE SERIES

Animal Science Focus

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Ag, Food & Natural Resources
- Fine Art Elective or Span 1 if college bound

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE/elective 2nd semester
- Animal and Plant Science
- Spanish 2 if college bound or one more elective (could be Ag)

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry
- Ag Business
- Food and Meat Science
- One more elective

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math
- Veterinary Science
- Ag Capstone- Work Release
- Two more electives

Other Ag Courses

- Agronomic Systems
- Mechanical Principles
- Advanced Mechanical Principles

AGRICULTURE SCIENCE SAMPLE SERIES

Ag Mechanics Focus

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Ag, Food & Natural Resources
- Fine Art Elective

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE/elective 2nd semester
- Animal and Plant Science
- One more elective (could be Ag)

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry
- Ag Business
- Food and Meat Science
- One more elective

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math
- Veterinary Science
- Ag Capstone- Work Release
- Two more electives

Other Ag Courses

- Food and Meat Science
- Veterinary Science
- Advanced Mechanical Principles

ENGINEERING SCIENCE SAMPLE SERIES

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Fine Art Elective
- Spanish 1

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE/elective 2nd semester
- Engineering Principles
- Spanish 2

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry
- Digital Electronics
- Two more electives

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or MATH 1150 or 1120
- Physics
- Architectural Design
- Engineering Internship
- Two more electives

HEALTH SCIENCE SAMPLE SERIES

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Fine Art Elective
- Spanish 1

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE/elective 2nd semester
- Spanish 2
- One more elective

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry
- Principles of Biomed Science
- Wellness
- One more elective

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math
- Physics
- Principles of Biomed Sceience
- Wellness
- One more elective

COMPUTER SCIENCE SAMPLE SERIES

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Programming: Python I
- Fine Art Elective

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE/elective 2nd semester
- Object Oriented Program.: Python II
- One more elective

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry
- Web Design: Web Development I
- Two more electives

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math or CCP Math
- Physics
- Interactive Application Develop.
- Internship in Computer Science
- Two more electives

ENTREPRENEURSHIP SAMPLE SERIES

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Fine Art Elective
- One more elective

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE/elective 2nd semester
- Elective in career interest
- One more elective

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry or Environmental Science
- Leadership
- Yearbook & Modern Marketing

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math or CCP Math
- Physics
- Entrepreneurship
- Internship
- Leadership

VISUAL ART SAMPLE SERIES

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Drawing
- Spanish 1 or another elective

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE/elective 2nd semester
- Intro to Metals & Glass
- Spanish 2 or another elective

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry or Environmental Science
- Painting
- Ceramics
- One more elective

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math or CCP Math
- Physics
- Computer Design/Photography
- Yearbook Design/Modern Marketing
- Two more electives

INSTRUMENTAL MUSIC SAMPLE SERIES

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Marching & Concert Band
- Spanish I or another elective

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE or waiver/elective
- Marching & Concert Band
- Spanish 2 or another elective

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry or Environmental Science
- Marching & Concert Band
- Music Technology
- SPNH 151 or another elective

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math or CCP Math
- Marching & Concert Band
- Music Internship
- Two more electives

VOCAL MUSIC SAMPLE SERIES

Freshman Year

- ELA 9
- Algebra I
- Physical Science or Intro to Engineering
- World History
- PE/Health
- Choir
- Spanish I or another elective

Sophomore Year

- ELA 10
- Geometry
- Biology
- American History
- PE or waiver/elective
- Choir
- Spanish 2 or another elective

Junior Year

- ELA 11 or WRIT 1110
- Algebra II
- Government/Economics
- Chemistry or Environmental Science
- Choir
- Music Technology
- SPNH 151 or another elective

Senior Year

- ELA 12 or WRIT 1120
- Pre-Calculus or Consumer Math or CCP Math
- Choir
- Music Internship
- Two more electives

GRADUATION PLANNING GUIDE

FOR PLANNING PURPOSES ONLY.
SEE COURSE GUIDE FOR DETAILED INFORMATION

Content Area	WRMS	Freshman Year	Sophomore Year	Junior Year	Senior Year	Requirement Met (22 Credits)		Honors Diploma
English *(4 Credits)*								
Math *(4 Credits)* must include Alg 1 & Alg 2								4th math must be > Alg 2
Science *(3 Credits)* must include Physical Sci & Biology								1 additional unit of advanced science
Social Studies *(3 Credits)* must include US History, World History, Govt & Econ								1 additional unit of social studies
Health *(0.5 Credit)*								GPA - 3.5 or > on 4.0 scale
PE *(0.5 Credit)*								ACT score 27+ or SAT score 1280+
Fine Arts *(1 Credit)*								World Language - 3 sequential nits of one world language or no less than 2 sequential units of 2 world languages
Financial Literacy*(0.5 Credit)*								Seal Requirement - Earn 2 additonal diploma seals, not including honors diploma seal
Elective Credit *(6 Credit)*								Experimental Learning - Field experience / portfolio, OMJ Readiness Seal, or WBL