



Reading Junior Senior High School

**Course Planner
2022-2023**

Reading Jr./Sr. High School

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www.readingschools.org

School Code #: 364-360

Mission: Inspiring the leaders of tomorrow with engaging opportunities today - The Blue Devil Way.

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Mrs. Teri Bemmes, Guidance Counselor (grades 9 – 12, L – Z)
Mrs. Leslie Salerno, Guidance Counselor (grades 7 – 8)

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Mrs. Laura Freese, Fine Arts
Mrs. Jennifer Leone, Social Studies
Mr. John McClellan, Math
Mrs. Sandy Ruschell, Science

NON-DISCRIMINATION STATEMENT (TITLE IX)

All of the courses, programs, and activities presented in this handbook are open to all students regardless of sex, provided that the students have met all established requirements. This policy meets all requirements and directions of the U.S. Department of Education under Title IX of the Education Amendments of 1972 as contained in Section 86 of the Federal Register, P. 24128

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HOW TO PLAN YOUR HIGH SCHOOL EXPERIENCE

College or Career? Military? Wherever your future is headed, your Guidance Counselor can help you plan out a path. We encourage our students to create a plan and schedule courses to help them reach their education goals. Students should:

- Review all curriculum required to graduate,
- Select courses to satisfy state requirements and electives that help reach their goals,
- Know and understand courses needed to be prepared for college,
- Student athletes should pay attention to NCAA approved courses,
- Consider courses needed to earn an Honors Diploma and to complete the Diploma Seal requirements.

GRADUATION REQUIREMENTS

Graduation Requirements for Reading Junior Senior High School Students

Graduation requirements are determined by the Ohio Department of Education and have been approved by The Board of Education of Reading Community City Schools. Students and families must read the requirements very carefully; they are responsible to be sure that all requirements are met to qualify for graduation. Students receiving a high school diploma from Reading Junior Senior High School are required to have 21 credits in the following areas:

Subject	Credits for Graduation
Language Arts	4
Social Studies (1 credit each: World History, US History, American Government, or the AP/CCP Equivalent)	3
Mathematics	4**
Science	3
Health	0.5**
Physical Education	0.5
Information Technology (IT)	0.5
Financial Literacy	0.5
Fine Arts	1**
Electives	4 minimum**
Total Minimum Credits	21 credits

****High school courses taken during grades 7 or 8 grades, will be counted toward graduation requirements and part of a student's high school transcript and ranking.**

Students must meet all requirements for Ohio's State course requirements, tests for graduation (End of Course – EOC exams), and Diploma Seals for the Class of 2023 and beyond.

Additional State of Ohio Graduation Requirements

Permanent Requirements for Classes of 2023 and Beyond - [Graduation Requirements](#)

Students in the classes of 2023 and beyond will be required to meet the permanent requirements in order to graduate. The permanent requirements are listed below:

1. **Demonstrate Competency:** Students must demonstrate competency in math and English by passing the state's Algebra I and English II tests. Students who have taken required tests more than once without scoring competent and have received remedial supports are able to show competency through one of the options below:

- Earn credit for one math and/or one English course through College Credit Plus;
- Demonstrate career readiness and technical skill through foundational and supporting options;
- Enter into a contract to enlist in the military upon graduation.

2. **Preparation for College or Careers:** Students must earn two diploma seals, one of which must be state defined, to demonstrate academic, technical and professional readiness for careers, college, the military or self sustaining professions. If students earn or qualify for a seal from another school/state/district prior to enrolling at Reading Junior Senior High School, Reading Community City Schools will honor the earned seal, and students will be awarded the graduation seal at Reading Junior Senior High School.

Diploma Seals defined by the State of Ohio include the following:

State-Defined Diploma Seal*	Requirements
OhioMeansJobs Readiness Seal	Meet the requirements and criteria established for the readiness 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.
Industry-Recognized Credential Seal	Earn an approved industry-recognized credential that is aligned to a job considered in demand in this state and its regions. (More information is forthcoming.)
College-Ready Seal	Earn remediation-free scores on the ACT or SAT. Current remediation-free scores can be found here .
Military Enlistment Seal	Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces; or Participate in an approved JROTC program. (More information is forthcoming.)
Citizenship Seal	A student can: 1. Earn a score of proficient or higher on both the American history and American government end-of-course exams;

	<p>2. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams; or</p> <p>3. Earn a final course grade that is equivalent to a “B” or higher in appropriate classes taken through the College Credit Plus program.</p> <p>4. Earn a final course grade that is equivalent to a “B” or higher in both an American History course and an American Government course offered by the student’s high school. Earn a score to be determined on the Social Studies Alternate Assessment for Students with the Most Significant Cognitive Disabilities.</p>
Science Seal	<p>A student can:</p> <ol style="list-style-type: none"> 1. Earn a score of proficient or higher on the biology end-of-course exam; 2. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams; or 3. Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program.
Honors Diploma Seal	<p>Earn one of six Honors Diplomas outlined below:</p> <ol style="list-style-type: none"> 1. Academic Honor Diploma 2. International Baccalaureate Honors Diploma 3. Career-Tech Honors Diploma 4. STEM Honors Diploma 5. Arts Honors Diploma 6. Social Science and Civic Engagement Honors Diploma.
State-Defined Diploma Seal*	Requirements
Technology Seal	<p>A student can:</p> <ol style="list-style-type: none"> 1. Earn a score that is at least equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate 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. Complete a course offered through the district or school that meets guidelines developed by the Department. (A district or school is not required to offer a course that meets those guidelines.) <p>(More information is forthcoming.)</p>
Locally Defined Diploma Seals**	Requirements
Community Service Seal (locally defined)	Students must complete thirty (30) or more hours of approved community service.
Fine and Performing Arts Seal	Students must earn two (2) credits or equivalent in Fine Arts. Any music or art course qualifies
Student Engagement Seal	<p>While in high school a student must meet one (1) of the following:</p> <ol style="list-style-type: none"> 1. Participate in at least two (2) athletic seasons of any sport to a meaningful extent. 2. Participate in any club for at least two (2) years to a meaningful extent.

****State law requires districts and schools to develop guidelines for at least one of the locally defined diploma seals.**

For more detail about end of course testing, please visit the Ohio Department of Education website - <http://education.ohio.gov/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2018-and-Beyond>

CLASSIFICATION OF STUDENTS

The 9th grade start date (year of entry into high school in the State of Ohio) is used to determine the grade level of each student. The following credit amounts are suggested to benchmark students' progress from grade to grade:

- Sophomore - 4.5 credits
- Junior - 9 credits
- Senior - 14 credits

A student who has not obtained the necessary credits during the regular school year is encouraged to develop a credit recovery plan with their school counselor.

DIPLOMA WITH HONORS CRITERIA

Diploma with Honors

Each school district shall award the *Diploma with Honors* to any student graduating who:

- Successfully completes the high school curriculum or individualized education program developed for the student by the high school
- Passes the required designated state tests
- Meets the criteria for honors provided below

The student who completes the college preparatory curriculum in high school must meet at **least seven out of the eight following eight criteria:**

- Four units of English
- Four units of mathematics that include Algebra I, Algebra II, Geometry, and another higher level math course
- Four units of science including two units of advanced science courses
- Four units of social studies
- Three units of foreign language (must include at least 2 units in one language), i.e., 3 units of one language or 2 units each of two languages
- One unit of fine arts
- Maintain an overall high school grade point average of at least 3.5 on an **unweighted four-point scale** up to the last grading period of the senior year
- Obtain a composite score of 27 on the American College Testing (ACT) tests or an equivalent composite score of 1280 on the Scholastic Assessment Tests (SAT)

The student who completes at least two years of an *intensive vocational or technical education curriculum* in the high school shall meet **at least seven of the following eight criteria:**

- Earn four units of English which may include one unit of applied communication
- Earn four units of mathematics which will include Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
- Earn four units of science including two units of advanced science courses
- Earn four units of social studies
- Four units of Career-Technical courses minimum. Program must lead to an industry-recognized credential, apprenticeship, or be part of an articulated career pathway, which can lead to post-secondary credit.

- Maintain an overall high school grade point average of at least 3.5 on a **unweighted four-point scale** up to the last grading period (7th semester) of the senior year
- Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent
- Obtain a composite score of 27 on the ACT or 1280 on the SAT or higher/WorkKeys: 6 or higher on Reading for Information and 6 or higher on Applied Mathematics
- Field Experience by completing a field experience and document the experience in a portfolio specific to the student's area of focus.
- Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.

Passed by the State Board of Education: 1-11-93 Revised effective date: 01-2012

More information about Ohio High School Honors diploma can be found at:

<https://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas/Academic-Honors-Diploma>

RECOMMENDED COLLEGE PREPARATORY COURSE CREDITS

Subject	Credits for Graduation
Language Arts	4
Social Studies (1 credit each: World History, US History, American Government, or the AP/CCP Equivalents)	3
Mathematics	4
Science	4
Health	0.5
Physical Education	0.5
Information Technology (IT)	0.5
Global Language	3
Financial Literacy	0.5
Health	0.5
Physical Education	0.5
Fine Arts	1
Electives	4 minimum** (All art and music courses count toward fine arts credit)
Total Minimum Credits	22.5 credits

ADVANCED PLACEMENT (AP) COURSES

Advanced Placement (AP) courses are offered at Reading High School in several subject areas. AP courses are college level classes that provide students with the opportunity to earn college credit in high school, to place into honors classes in college, and/or obtain admission to highly competitive schools or programs. These advantages are granted by the individual universities or university departments based on a student's score on the national AP test. ***Students who enroll in AP classes should plan to take the AP test.*** Tests are given at the high school in early May. There is a cost for the test that is paid by the student. Students who qualify for the Federal Free and Reduced Lunch program will have their cost adjusted according to Federal guidelines.

Since AP classes are college level courses, they require a significantly greater amount of effort than regular high school classes. AP classes also carry weighted grades, so taking AP classes and doing well in them will raise a

student's grade point average. These classes are likely to enhance a student's class rank and ability to win scholarships. Students may enroll in one or more AP classes.

The decision to enroll in AP classes should be made after careful consideration of the student's ability, prior academic preparation in a subject area, interest in the subject, future career goals, and teacher recommendation. All AP classes require specific course prerequisites, so students must think ahead when planning their freshman and sophomore schedules to ensure that they are eligible for a desired AP class.

COLLEGE CREDIT PLUS OPPORTUNITIES

College Credit Plus courses can be taken by eligible students at Reading High School or on a college campus (ie – UC Blue Ash, Cincinnati State, UC, etc.). Courses are taught by university-qualified instructors using the college's required textbooks and curricula. CCP classes and textbooks are offered at no cost to the student. The only exception to this policy is if a student receives an "F" in the course. It will become the student's responsibility to pay for the course. Enrollment in many of the CCP classes at Reading High School will require placement test(s). Testing will be administered at Reading High School. When students successfully complete one of these courses, they simultaneously receive both Reading High School and sponsoring university credit. A letter grade and university credit hours are awarded by the college or university offering the College Credit Plus course, and a record of that class is kept at the institution, just as if students had been on-campus taking the class. College Credit Plus courses are 5-point A courses at Reading. Students must request that the credit granting university send their transcript to their chosen college.

The university credit earned will either apply as a requirement for the college major or as a general education requirement. It is recommended that students check with the university admissions office prior to enrollment to ensure credits are fully accepted. If a student is attending a private institution in Ohio or going out of state, he/she may check www.transfer.org for the transferability of course work. Classes that are College Credit Plus will be indicated as such on schedule sheets by a CCP. Students who are interested in taking one of these will indicate that on the schedule sheet. If a student wants to take a CCP class at a college campus, the student will apply at that college. Below is a sample of a 15 credit pathway and a 30 credit pathway.

College Credit Plus classes offered at Reading High School must be negotiated with the sponsoring every year, so classes being offered may not be automatic from year to year. Teacher availability, number registered to take the class, and specific agreements with the colleges determine which classes are offered each year.

COLLEGE CREDIT PLUS AA & AS PATHWAY EXAMPLE

	College course codes	Course Title	Credit Hours	On Campus	In High School
15 Credits	MAT-151	COLL ALGEBRA B M151**CCP	4	X	X
	MAT-152	TRIGONOMETRY M152 CCP**	4	X	X
	MAT-251	CALCULUS 251**CCP	5	X	X
30 Credits	MAT-131	STATISTICS MAT131 CCP**	4	X	X
	CHEM1040	Gen Chem 1040 CCP**	5	X	X
	PHYS1051	Gen Phys 1051 CCP**	5	X	X
	Electives		3	X	

***Students must notify the Guidance office of their intent to participate in a College Credit Plus course by **April 1, 2023.**

GRADING SYSTEM AND WEIGHTED COURSES

Grading Scale	4.0 A Course (CP)	4.5 A Course (Honors)	5.0 point A Course (AP/CCP)
A+ 100 – 98	4.3	4.8	5.3
A 97 – 93	4.0	4.5	5.0
A- 92 – 90	3.7	4.2	4.7
B+ 89 – 87	3.3	3.8	4.3
B 86 – 83	3.0	3.5	4.0
B- 82 – 80	2.7	3.2	3.7
C+ 79 – 77	2.3	2.8	3.3
C 76 – 73	2.0	2.5	3.0
C- 72 – 70	1.7	2.2	2.7
D+ 69 – 67	1.3	1.8	2.3
D 66 – 63	1.0	1.5	2.0
D- 62 – 60	0.7	1.2	1.7
F 59 – 0	0	0	0

Grades for Honors courses are elevated by .5 (e.g. a ‘B’ earns 3.5 points) and are indicated by ‘HN’. Grades for Advanced Placement or College Credit Plus courses are elevated by 1.0 (e.g. a ‘B’ earns 4.0 points) and are indicated by ‘AP’ or ‘CCP’. Grade weight is not applied until the course is successfully completed.

Reading Junior Senior High School uses the following grading scale:

In computing grade point average, grades are averaged on a 4.0 system except for Honors (4.5), AP, and CCP courses (5.0).

****CUMULATIVE GRADE POINT AVERAGE IS CALCULATED ONLY AT SEMESTER.**

ACADEMIC ELIGIBILITY

All activities of a school are grounded in the educational process. While extra-curricular activities are part of the educational process, academics will receive the highest priority. Student-athletes must meet all eligibility requirements.

According to OHSAA bylaws, a high school student must be passing five credits at the end of each ten-week grading period. All Carnegie unit classes count toward this goal with the exception of physical education courses and service learning classes. In addition, a student must have maintained at least a 1.0 G.P.A. at the conclusion of the grading quarter. OHSAA academic eligibility is always determined by grades earned during the previous grading quarter (not semester or year). Athletic eligibility cannot be reestablished by taking summer school classes.

NCAA ELIGIBILITY FOR STUDENT ATHLETES

As NCAA eligibility requirements are subject to change, it is imperative that student-athletes (especially juniors and seniors and / or parents) meet with the respective counselor immediately at the start of the year to acquire and review a copy of the “NCAA Initial-Eligibility/ Clearinghouse” (or current publication). Based upon this review it may be necessary to initiate immediate schedule changes in order to satisfactorily meet or exceed the NCAA requirements for coursework, GPA, and / or standardized test scores.

NCAA Approved Courses**ENGLISH**

Honors English 9
 Honors English 10
 AP Language and Composition

AP English Comp. and Lit.
 English 12 CP/HON
 CP Freshman English 9

Junior English
 Honors Sophomore English
 Sophomore English

SOCIAL STUDIES

Honors World History I/II
 American Government
 AP Psychology
 AP US History

Holocaust & Genocide
 Human Behavior
 Local History
 Sociology

US History
 World History I/II

MATHEMATICS

Algebra I
 Geometry
 Geometry Honors
 Algebra II
 Algebra II Honors
 Pre-Calculus

Pre-Calculus Honors
 College Prep Math
 Statistics A
 CCP Statistics B
 CCP Calculus AB
 Computer Programming I

Computer Programming II
 AP Computer Science
 Principles
 AP Computer Science A

SCIENCE

Honors Anatomy & Physiology
 Biology
 Honors Biology
 Chemistry

Honors Chemistry
 Environmental Science
 Physical Science
 Honors Physics

CCP General Physics

ADDITIONAL CORE COURSES

French I
 French II
 French II

French IV
 Spanish I
 Spanish II

Spanish III
 Spanish IV

SCHEDULE CHANGES

Students and parents should give careful consideration in developing a sound educational plan and an appropriate schedule prior to the end of the current school year. The Guidance Department does its best to finalize schedules in the Spring and to resolve any scheduling conflicts prior to summer break.

Changes to schedules will only be made when necessitated by a leveling change or career path alteration. All schedule changes must be completed during the beginning of a semester.

Should a parent decide to override a teacher recommendation for a course, a conference will be required with the parent, student, recommending teacher and course teacher. The parent must make the request for the conference. Changes in the request will not be made until the recommending teacher informs the counselor of the results of the meeting. In the case of an override, the course will not be changed once the school year begins.

In order for a student to change a core course (English, Math, Social Studies, Science) a Schedule Change Form must be completed and signed by the Parent, Student, and Teacher. You can get this form from the Guidance Office.

HAMILTON COUNTY JOINT VOCATIONAL SCHOOL

High school students residing in participating school districts may attend Scarlet Oaks (or any Great Oaks campus) and earn certification in a career field as well as college credit while completing their high school requirements. Students attending Great Oaks receive a high school diploma from their home school when they complete their graduation requirements. They may participate in their high school's commencement exercises.

Career programs at Scarlet Oaks include Automotive Technology—Collision, Automotive Technology—Mechanics, CareerX, Commercial and Residential Electricity, Construction Framing and Finishing Technologies, Cosmetology, Culinary Arts and Hospitality Services, Dental Assisting, Digital Arts and Design, Early Childhood Education, Engineering Technologies and Robotics, Exercise Science and Sports Medicine, Firefighting/Emergency Medical Service, Health Technology, Industrial Diesel Mechanics, Law Enforcement, Secondary Practical Nursing, Surgical Technology, Veterinary Assisting, Web Applications and Game Development, and Welding. Other career programs are available at other Great Oaks campuses; for a complete list go to hs.greatoaks.com.

Students at Scarlet Oaks use labs, equipment, and tools that are used in industry. For instance, Surgical Technology students learn to handle surgical instruments, Automotive Technology students use computerized diagnostic equipment, Web Applications students use the latest software, and so on.

Daily transportation is provided to and from the Scarlet Oaks campus. Students who wish to enroll at Laurel Oaks (Wilmington), Diamond Oaks (Dent), or Live Oaks (Milford) should see a counselor for more information.

Students attending Great Oaks may participate in all home school extra-curricular activities if scheduling and transportation can be arranged. Attendance at Great Oaks is free for high school students.

If you would like to attend the career development campus, you should complete the following in the 9th and 10th grades:

- 2 Units of English
- 2 Units of Mathematics
- 2 Units of Science
- ½ Unit of Health
- ½ Unit of Physical Education
- 2 Units of Social Studies
- ½ Unit of Information Technology

The following are factors which are to be considered in the selection of students for the vocational school: general learning ability; attendance pattern; English achievement, math achievement; reading level; interest level; test results. Sophomore students make applications to the vocational counselor in December.

COURSE NUMBERS FOR THE JOINT VOCATIONAL SCHOOL

7603 Vocational Program

Most programs at the Career Development Campus offer seven units of high school credit per year. Three units per year are in the lab session of the program. Academic credits are earned in the following subjects: two (2) English, one (1) social studies, two (2) math, and two (2) sciences.

TESTING**Graduation Tests**

In addition to completing the required credits, students must also successfully complete Ohio's State Tests. Students earn a cumulative passing score of 18 points, using seven end-of-course state tests. The State of Ohio requires all students to complete all seven assessments prior to selecting one of the three graduation options listed here.

Option 1: End-of-course exams are:

- Algebra I and Geometry
- Biology
- American History and American Government
- English (ELA) II

To ensure students are well rounded, they must earn a minimum of four points in math, four points in English and six points across science and social studies.

Graduation points are based on the Performance Levels below:

Performance Level	Graduation Points
Advanced	5
Accelerated	4
Proficient	3
Basic	2
Limited	1

Students studying Advanced Placement (AP) courses in American history or American government may take and substitute test scores for end-of-course state exams to avoid double testing. Students also may substitute grades from College Credit Plus courses in these subjects for end-of-course state exams.

- **End of Course** – you may also hear this called the AIR Test. These tests are taken near the end of the year to test student's retention of material for a subject. Students in the class of 2021 and 2022 must have 18 points on EOC tests to graduate.
 - **Class of 2023 and Beyond** - 9th graders will take Algebra 1 (Algebra 1). If a student has taken Algebra in 7th or 8th grade they will take a test corresponding to the course they are enrolled in (ie.Geometry). If a student is not proficient they will be offered support and must retake the test at least once. If testing is not their strength, there are three new competency pathways:
 - Option 1: Demonstrate Two Career-Focused activities
 - Option 2: Enlist in the military.
 - Option 3: Complete college coursework.
-
- 10th graders: English II (ELA), Geometry, US History, and Biology.

-
- 11th graders will take American Government.
 - For more information go to the Ohio Department of Education's website:
<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements>
 - **PreACT-** the **PreACT** is an exam for Sophomore students to get them familiar with the ACT. This is a paper-based test featuring questions in four subject areas: English/language arts, math, reading, and science. This is given to all of our Sophomores and is free of charge.
 - **NWEA MAP -** Measures of Academic Progress (MAP®) are computerized adaptive tests, the difficulty of each question is based on how well a student answers all the previous questions. As the student answers correctly, questions become more difficult. If the student answers incorrectly, the questions become easier. In an optimal test, a student answers approximately half the items correctly and half incorrectly. The final score is an estimate of the student's achievement level. MAP is a district assessment.
 - **PSAT -** The Preliminary SAT is also known as the PSAT/NMSQT® (National Merit Scholarship Qualifying Test). It is a practice test for the SAT exam. The PSAT is offered at RHS once a year. This test is available to Freshmen, Sophomores, and Juniors. There is a fee for this test. If you earn a high score on the PSAT your junior year, you could qualify to receive a National Merit Scholarship. The PSAT is approximately 3 hours long Sections of the PSAT are: reading and math.
 - **Advanced Placement (AP) Test-** students who are enrolled in an AP course will sign up to take this end of the year college-level assessment to earn college credit. There is a fee for this test. Testing takes place in May each year. Full payments are due for each AP test in the fall.
 - **ASVAB-** ASVAB stands for the Armed Services Vocational Aptitude Battery, which is a multiple-choice test that helps you identify which military jobs (Military Occupational Specialties) would be best for you. This is given to all Juniors free of charge. It is a tool used by the Armed Forces, but also is helpful for career planning in the private sector. Scores and interpretation of results are shared with the students.
 - **ACT –** The ACT is a standardized test used for college admissions in the United States. It is currently administered by ACT, a nonprofit organization of the same name. The ACT test covers four academic skill areas: English, mathematics, reading, and science reasoning. It also offers an optional direct writing test. All Juniors are administered this test free of charge.
 - **SAT –** The SAT is a standardized test comprising two sections: Evidence-Based Reading and Writing and Math. The Evidence-Based Reading and Writing is comprised of two tests, one focused on Reading and one focused on Writing & Language. The SAT is not administered at Reading Junior Senior High School. Students can sign up to take the SAT. Like the ACT, these tests are used to determine college admissions.
 - Students on Free/Reduced Lunch qualify for two (2) vouchers for the ACT and the SAT that allow them to test for free.
-

JUNIOR HIGH COURSES

7th GRADE CORE CURRICULUM COURSES (Year Long)

LANGUAGE ARTS

In ELA students will be exploring literature and reading strategies by studying a wide variety of short stories, novels and nonfiction texts. In addition, students will be incorporating writing strategies, vocabulary and correct grammar usage in order to effectively express ideas and thoughts.

MATH

In 7th grade math the following topics are taught: ratios and proportional relationships, rational numbers and the number system, expressions and equations, geometry, statistics and probability. This course is designed to meet the needs of our largest groups of students. Its curriculum is based on the Common Core State Standards grade seven, which narrows, deepens, and provides increased rigor to the scope of our mathematical studies. There will be a constant focus on real-world based problems.

ACCELERATED MATH

In 7th grade accelerated math the following topics are taught first semester: ratios and proportional relationships, rational numbers and the number system, expressions and equations, geometry, statistics and probability. During the second semester, topics in the eighth grade Common Core standards are covered to prepare students for Algebra I. This course's curriculum is based on the Common Core State Standards. There will be a constant focus on real-world based problems. Students who successfully complete this course will be placed in the Algebra I course for high school credit in grade eight.

SCIENCE

The main theme in 7th grade science is Earth's Systems. Students will explore the many interactions that happen every day in the world. There will also be an emphasis on technical reading throughout the year. Course work in seventh grade Science is designed to move quickly and transition easily from concrete examples to abstract thinking. Class time focuses on key concepts with extensive questioning geared at application of the ideas. Laboratory experiments are primarily student-directed, with the teacher facilitating the experimental design process. Student interpretation of data/information requires students to analyze and apply information from a variety of sources.

SOCIAL STUDIES

The seventh grade year is a study of world history, beginning with ancient Greece and continuing through global exploration. Students will learn how historic events were shaped by geographic, social, cultural, economic, and political factors. In addition, the students will develop their understanding of how ideas and events from the past have shaped the world today.

7th GRADE ELECTIVE COURSES

ART 7/8 – SEMESTER COURSE

This introduction to Art course will explore a variety of drawing, painting, sculpture, digital and other techniques. This class will combine 7th and 8th graders in one and material will rotate yearly. Students can take it as a 7th and 8th grader.

JUNIOR HIGH BAND – YEAR LONG COURSE

Prerequisite: Must have completed 6th grade band or equivalent music lessons - Director approval required

Students will expand musical skills introduced in the 6th grade. They will practice and perform grade appropriate repertoire, which will include articulation, technique, sight reading, musical terminology, and ensemble playing. There will be 2 concerts per year.

CHOIR – SEMESTER COURSE

This course is designed for those who enjoy singing and would like to become better acquainted with all kinds of music through actual participation and performance. A variety of literature will be covered. Voice training and the basic essentials of reading music are a part of the course. Several public performances are held throughout the year and are required attendance.

COMPUTER SCIENCE FOR INNOVATORS AND MAKERS – 9 WEEK COURSE- REQUIRED

For 9 weeks in Computer Science students are challenged to creatively use sensors and actuators to develop systems that interact with their environment. Designing algorithms and using computational thinking practices, they code and upload programs to microcontrollers that perform a variety of authentic tasks. **** Design and Modeling/Computer Science for Innovators and Makers must be taken together to be a semester course**

DESIGN AND MODELING AND COMPUTER SCIENCE – 9 WEEK COURSE - REQUIRED

For 9 weeks in Design & Modeling, students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. Students learn how to use 3D modeling software as part of the design process. Students also learn sketching techniques and use descriptive geometry as a component of design, measurement and computer modeling.

GENERAL MUSIC “AMERICAN POPULAR MUSIC” – SEMESTER COURSE

This course will explore the history of popular American music. Students will begin learning about music starting with a brief study of music of their heritage continuing through today’s current musical genres. Students will listen to musical examples by significant performers and contributors in each unit. This is not a performance class, but includes in class projects and classwork.

PHYSICAL EDUCATION – SEMESTER COURSE

The overall purpose of the physical education curriculum is to introduce students to various activities that promote a lifetime of health and wellness.

ACADEMIC ENRICHMENT - SEMESTER/YEAR COURSE

This course is designed for students that require targeted intervention/enrichment. This course will focus on Reading or Math support for students who are struggling in these academic areas. Students will be automatically assigned to an Academic Enrichment course based on academic performance and will not be allowed to change their schedule without administrative approval. This assignment will be for a predetermined amount of time, after which the student's academic progress will be evaluated.

8th GRADE CORE CURRICULUM COURSES

LANGUAGE ARTS

This course is challenging and students will read and practice skills and strategies to understand various genres of literary, informational, and real-world text. They will use organizational formats to write narrative, informational, and argumentative pieces. They will exercise good reading and writing habits through the use of the reading and writing process.

MATH

In 8th grade mathematics students will learn about the following areas of study: Algebra (solving equations and linear algebra), Geometry (transformations and 2D and 3D figures), and Statistics (two-way tables and bivariate data). This course is designed to meet the needs of the largest group of our eighth grade math students. The Common Core State Standards for 8th grade will be emphasized, along with skills needed to pursue the study of post-high school mathematics. Successful completion of this course is usually followed by Algebra I in the ninth grade.

Honors ALGEBRA 1 (Year Long Course)

Prerequisite: Successful completion of 7th grade Accelerated Math, teacher recommendation, and test scores.

Algebra 1 is a high school course designed to give students a foundation for all future mathematics courses. The fundamentals of algebraic problem-solving are explained. Throughout the course, Common Core standards are taught and reinforced as the student learns how to apply the concepts in real-life situations

1 Credit

SCIENCE

The following topics will be studied in 8th grade science: Earth Science, Life Science, and Physical Science. There will also be an emphasis on technical reading throughout the year. Course work in seventh grade Science is designed to move quickly and transition easily from concrete examples to abstract thinking. Class time focuses on key concepts with extensive questioning geared at application of the ideas. Laboratory experiments are primarily student-directed, with the teacher facilitating the experimental design process. Student interpretation of data/information requires students to analyze and apply information from a variety of sources.

AMERICAN HISTORY

The following topics will be covered in 8th grade American History: early explorers, Civil War, and current events. The eighth grade social studies program is a study of American History, and students will develop and improve their skills to select, analyze and judge issues, and to respond to the demands of a changing world. The course also promotes responsible American citizenship and integrates the four academic standards contained in the new Ohio Social Studies content standards.

8th GRADE ELECTIVE COURSES

ART 7/8 – SEMESTER COURSE

This introduction to Art course will explore a variety of drawing, painting, sculpture, digital and other techniques. This class will combine 7th and 8th graders in one and material will rotate yearly. Students can take it as a 7th and 8th grader.

JUNIOR HIGH BAND – YEAR LONG COURSE

Prerequisite: Must have completed 7th grade band or equivalent music lessons - Director approval required

Students will continue to learn skills learned in prior grades. They will continue to learn how to read music, understand ensemble playing, and learn and practice scales. Percussion players will experience playing drum rudiments and learning to play other percussion instruments.

CHOIR – SEMESTER COURSE

This course is designed for those who enjoy singing and would like to become better acquainted with all kinds of music through actual participation and performance. A variety of literature will be covered. Voice training and the basic essentials of reading music are a part of the course. Several public performances are held throughout the year and are required attendance

GENERAL MUSIC “AMERICAN POPULAR MUSIC” – SEMESTER COURSE

This course will explore the history of popular American music. Students will begin learning about music starting with a brief study of music of their heritage continuing through today’s current musical genres. Students will listen to musical examples by significant performers and contributors in each unit. This is not a performance class, but includes in class projects and classwork.

PHYSICAL EDUCATION – SEMESTER COURSE

The overall purpose of the physical education curriculum is to introduce students to various activities that promote a lifetime of health and wellness.

ACADEMIC ENRICHMENT - SEMESTER/YEAR LONG COURSE

This course is designed for students that require targeted intervention/enrichment. This course will focus on Reading or Math support for students who are struggling in these academic areas. Students will be automatically assigned to an Academic Enrichment course based on academic performance and will not be allowed to change their schedule without administrative approval. This assignment will be for a predetermined amount of time, after which the student’s academic progress will be evaluated.

8th GRADE ELECTIVE COURSES FOR HIGH SCHOOL CREDIT

All high school courses offered to 8th grade students by teacher recommendation and availability

**Honors Level = 4.5 A Course*

***Mock Trial II (2nd Semester Only)**

Prerequisite: Teacher Recommendation and Application - Open to grades 8 - 12.

8th Grade students will learn how to assemble their showcase presentation according to the OCLRE model. High school students will serve as mentors in this process, teaching the students the fundamentals on the rules of evidence. When the showcase is complete in April, 8th graders and high school students will come together as one to begin work on the Federal Rules of Evidence and the Empire model, including learning the correct way to make oral arguments, the importance of witness prep, and the mode and method of appellate court. This class will involve an after-school time commitment as students prepare to participate in the Empire Mock Trial Competition.

½ Credit

Information Technology I (Semester Course)

Prerequisite: Teacher Recommendation (required for graduation)

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications. The course will address issues related to web-based publishing. Students will learn how to structure a web page and style it with HTML and CSS. Course also includes:

Problem Solving and Computing

Problem Solving and Computing is a highly interactive and collaborative introduction to the field of computer science, as framed within the broader pursuit of solving problems. Students will practice using a problem solving process to address a series of puzzles, challenges, and real world scenarios. Next, they will learn how computers input, output, store, and process information to help humans solve problems.

Web Development

In Web Development students will learn how to create and share the content on your own web pages. They will learn how to structure and style your pages using HTML and CSS code. They also practice valuable programming skills such as debugging, using resources, and teamwork.

Interactive Animations and Games

Students will build on your coding experience as they program animations, interactive art, and games in Game Lab. The unit starts off with simple shapes and builds up to more sophisticated sprite-based games, using the same programming concepts and the design process computer scientists use daily. In the final project, you'll develop a personalized, interactive program.

½ Credit

Health (Semester Course)

All students are required to take one semester of health by the end of the sophomore year. Units of study include the following: alcohol, sexually transmitted diseases, consumer health, drugs, safety and first aid, mental health, nutrition, physical fitness, and tobacco.

½ Credit

Automation and Robotics – (Semester Course)

Students learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more.

½ Credit

CP French I (Year Long Course)

Prerequisite: Teacher recommendation. **High school students will have priority over scheduling.

Why learn/study French? There are over 200 million speakers of French in over 29 countries. French, like English, is spoken on every continent. Whether you want to learn French for college acceptance, for business/career opportunities, for travel or for fun, French is a language that can open up your world.

Learning another language requires commitment. You will need to be prepared for class and ready to participate. Any language class is a combination of vocabulary and spelling, grammar and composition, listening comprehension, reading, and speaking. Success mastering a second language demands attention to detail, repetition, consistent practice, and a positive attitude toward learning.

This course provides an introduction to the language and culture of France and the French-speaking world. Students strive to attain an acceptable degree of proficiency in these basic skill areas: listening, speaking, reading, writing, and cultural awareness in the target language.

To increase the students' opportunity for success, **a 3.0 GPA is strongly recommended** prior to enrollment.

1 Credit

CP Spanish I (Year Long Course)

Prerequisite: Teacher recommendation. **High school students will have priority over scheduling.

Spanish is the most frequently heard language in the U.S. today, next to English. U.S. News and World Report magazine reports that one out of every ten U.S. households has Spanish as a second language. Many careers in business, health-related fields, education, social services, government, construction trades, the military, and travel or hospitality seek to hire individuals with Spanish language skills at a variety of fluency levels.

Learning another language requires commitment. You will need to be prepared for class and ready to participate. Any language class is a combination of vocabulary and spelling, grammar and composition, listening comprehension, reading, and speaking. Success mastering a second language demands attention to detail, repetition, consistent practice, and a positive attitude toward learning.

This course provides an introduction to the language and culture of the Spanish-speaking world. Students strive to attain an acceptable degree of proficiency in these basic skill areas: listening, speaking, reading, writing, and cultural awareness in the target language.

To increase the students' opportunity for success, **a 3.0 GPA is strongly recommended** prior to enrollment.

1 Credit

Select Choir (Year Long Course)

Prerequisite: Tryout required and Director approval.

This course is designed for students serious about music and improving in the vocal art. There will be an emphasis on advanced choral literature. Sight singing ability is a prerequisite for the course. **This class requires an audition for the director**; otherwise you will not be scheduled into this class. The class involves several concerts, competitions, and extra performances as designated by the director.

1 Credit

High School Concert Band (Year Long Course)

Prerequisite: Prior training on a band instrument and director approval.

High School Concert Band is intended for students who have completed band classes from the 6th grade. Those registering for the High School Concert Band are expected to know how to read music, including terminology, identification of musical styles, and ensemble playing. Percussion players must have acquired knowledge to perform on all percussion instruments. The High School Concert Band class performs 2 concerts per year. Marching band/pep band is available for members of the High School Concert Band as an after-school activity.

1 Credit

Physical Education (Semester Course)

All students must complete two semesters of Physical Education to meet graduation requirements. One semester must be completed in the freshman year. One semester must be completed in the sophomore year. It is recommended that students not take two back-to-back semesters of Physical Education during one year.

Course offerings will be primarily dictated by the time of year it is offered, with fall and spring offerings being outside and winter offerings in the gym.

Unit offerings such as softball, flag-football, and soccer will be in the fall of the year. In the winter, such offerings as basketball, table tennis, hockey, volleyball, weight training, indoor soccer, shuffleboard, and badminton would be offered. Spring units would include golf, softball, soccer, and flag football.

The overall purpose of the physical education curriculum is to introduce students to various activities that promote a lifetime of health and wellness. Students will be required to run a timed 1/2 mile the first 10 weeks and 1 mile the second 10 weeks. A test grade will be given for each based upon task completion.

A physician's statement will be required as an excused absence from participating for extended periods of time.
¼ Credit

HIGH SCHOOL COURSES

ART

The Reading High School Art Department will help students explore and discover ideas for art and be able to transform these ideas through media into a personal expression in the visual arts.

Course #	Title	Level	Length	Credit	Prerequisite	
1460	*Publications	10, 11, 12	Semester	½	Teacher Approval	
8520	Art Foundations	9, 10, 11, 12	Semester	½		\$40
8521	Art Applications	9, 10, 11, 12	Semester	½		\$40
8530	Drawing & Painting	10, 11, 12	Semester	½	8520 or 8521	\$40
8539	Sculpture (every other year)	10,11,12	Semester	½	8520 & 8521	\$50
8543	Ceramics (every other year)	10, 11, 12	Semester	½	8520 & 8521	\$50
8550	**AP Studio Art: Drawing	11, 12	Year	1	8520 or 8521, 8530 Teacher Rec.	\$40

**Honors Level = 4.5 A Course **AP = 5-point A course (class of 2026 and beyond)*

**Honors Level = 5-point A Course **AP = 5-point A course (class of 2023, 2024, 2025)*

1460 *Publications (Semester Course)

Prerequisite: *Honors English is recommended; second semester must complete Publications I*

In the Publications class, the student will gain practical experience in writing, reporting, interviewing, and designing. This class will publish the Reading High School newspaper, *Devils' Advocate*. In addition to the school newspaper, students will be responsible for creating, publishing, and taking photographs for the school yearbook, *Pandemonium*. Real world experience in layout design, captions, and photography will be taught. After-school work is required to complete assignments. Advisor approval is required. Honors English is recommended.

½ Credit

8520 Art Foundations (Semester Course) may only take once, cannot have previously taken Introduction to Art

Prerequisite: *None*

This studio course is planned for students to learn a variety of techniques and explore their creative thought process in depth. Art Foundations will explore a variety of drawing, painting, sculpture, digital and other techniques. Grading is based on timely completion of work, creative application of skills and materials and effort.

½ Credit

8521 Art Applications (Semester Course) may only take once, cannot have previously taken Art A/B

Prerequisite: *None*

This studio course is created for students to learn about the practical application of art and craft. Students will learn a variety of techniques, materials and projects. This course focuses on creating real world application art projects. Examples are printmaking (greeting cards), clay (cups, boxes, vessels), fiber arts (macrame, weaving), drawing and painting, digital art and photography, among others. Grading is based on timely completion of work, creative application of skills and materials and effort.

½ Credit

8530 Drawing and Painting - (Semester Course) may only take once

Prerequisite: Successful completion of either Art Foundations or Art Applications

This course is designed for students that enjoy drawing and/or painting. The course will consist of drawing techniques and painting projects. Drawing projects will explore a variety of media. Painting projects will vary between realism and abstraction, learning about color theory, painting techniques and craftsmanship.

½ Credit

8539 Sculpture– (Semester Course) may only take once (offered school year 2023-2024)

Prerequisite: Successful completion of Art Foundations & Art Applications

Sculpture class is for students who love to create works that are 3-dimensional and get their hands dirty. Students will explore a variety of materials such as plaster, recycled items, cardboard, among others. This class does not have a lot of drawing requirements, it is more about building and construction of artworks. This course is offered in alternating school years.

½ Credit

8543 Ceramics- (Semester Course) may only take once (offered school year 2022-2023)

Prerequisite: Successful completion of Art Foundations and Art Applications and Teacher Recommendation

Ceramics introduces students to a variety of hand-building and wheel throwing techniques. Projects include pinch pots, coil techniques, slab construction, functional and non-functional pieces among others. This class is messy, students will need to wear an apron or be okay getting clay on them. This course is offered in alternating school years.

½ Credit

8550 **AP Studio Art: Drawing (Full Year Course)

Prerequisite: Art Fundamentals or Art Applications, Drawing and Painting, and Teacher Recommendation.

This college-level Studio Art class allows serious students to earn college credit, advanced placement or both. The course will align to a comparable college drawing course. Students will build a portfolio which demonstrates their strong work ethic. In-depth drawings surrounding a chosen concentration, with a variety of materials and techniques, will prepare students to proceed on to a college level art class. Specific requirements for AP Drawing will be met, in order to pass the class. This studio course concludes with a portfolio review and submission to The College Board for scoring.

1 Credit

BUSINESS & TECHNOLOGY

Course #	Title	Level	Length	Credit	Prerequisite	Fee
6210	Automation and Robotics	8-9	semester	½	not previously taken	
5533	Personal Finance	11,12	Semester	½		\$10
6710	Information Technology I	9,10,11,12	Semester	½		
6720	Information Technology II	9,10,11,12	Semester	½	6710	

CP Automation and Robotics – (Semester Course)

Prerequisite: *Must not have previously taken course in 8th grade.*

Students learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more. Limited availability.

½ Credit

5533 Personal Finance (Semester Course) 11 & 12 only (10 with waiver)

The objective of this course is to prepare students to successfully manage money based on their goals and desires. The class meets all SB311 and HB1 adopted Ohio Department of Education state standards, JumpStart national standards, and PISA International content standards. This course is a graduation requirement.

½ Credit

6710 Information Technology I (Semester Course)

Prerequisite: *(required for graduation)*

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications. The course will address issues related to web-based publishing. Students will learn how to structure a web page and style it with HTML and CSS. Course also includes:

Problem Solving and Computing

Problem Solving and Computing is a highly interactive and collaborative introduction to the field of computer science, as framed within the broader pursuit of solving problems. Students will practice using a problem solving process to address a series of puzzles, challenges, and real world scenarios. Next, they will learn how computers input, output, store, and process information to help humans solve problems.

Web Development

In Web Development students will learn how to create and share the content on your own web pages. They will learn how to structure and style your pages using HTML and CSS code. They also practice valuable programming skills such as debugging, using resources, and teamwork.

Interactive Animations and Games

Students will build on your coding experience as they program animations, interactive art, and games in Game Lab. The unit starts off with simple shapes and builds up to more

sophisticated sprite-based games, using the same programming concepts and the design process computer scientists use daily. In the final project, you'll develop a personalized, interactive program.

½ Credit

6720 Information Technology II (Semester Course)***Prerequisite: Information Technology I***

This course provides extension-learning activities to the Information Technology I course. Students will learn:

The Design Process

Students transition from thinking about computer science as a tool to solve their own problems towards considering the broader social impacts of computing in the Design Process unit. Through a series of design challenges, students prototype technological solutions to a problem both on paper and in App Lab, before testing their solutions with real users.

Data and Society

The Data and Society unit highlights how computers can help us use data to solve problems. First, students explore different systems used to represent information in a computer, then they learn how collections of data are used to solve problems, and how Computers help automate the steps of this process.

Physical Computing

In the Physical Computing unit, students use App Lab and Adafruit's Circuit Playground to develop programs that utilize the same hardware inputs and outputs that we see in many modern smart devices, and they get to see how a rough prototype can lead to a finished product. The unit concludes with a design challenge that asks students to use the Circuit Playground as the basis for an innovation of their own design.

AI and Machine Learning

Students will have a hands-on introduction to developing a machine learning model with tabular data. Students explore how computers learn from data to make decisions, then develop machine learning projects around real-world data. The unit culminates in designing a machine learning app to solve a personally relevant problem.

½ Credit

ENGLISH DEPARTMENT

The Reading High School English Department is dedicated to engaging students in reading, writing, and thinking processes. Students study English in each of their four years in high school presenting many opportunities for students to develop their special interests, skills, knowledge and critical thinking.

Course #	Title	Level	Length	Credit	Prerequisite	Fee
1110	CP English 9	9	Year	1	English 8	
1111	*Honors English 9	9	Year	1	English 8	
1225	CP English 10	10	Year	1	1110	
1224	*Honors English 10	10	Year	1	1110 or 1111	
1510	CP English 11	11	Year	1	1225	
1511	**AP Language/Comp	11	Year	1	1224	
1610	CP English 12	12	Year	1	1510	
1800	*Publications	10,11,12	Sem.	½	Application	
1810	**AP English Lit/Comp	12	Year	1	1510 or 1511	

*Honors Level = 4.5 A Course **AP = 5-point A course (class of 2026 and beyond)

*Honors Level = 5-point A Course **AP = 5-point A course (class of 2023, 2024, 2025)

English classes may require summer reading.

1110 CP English 9 (Year Long Course)

This course is aligned with the Ohio Department of Education's adopted Common Core Standards. In order to prepare Reading students to be college and career ready, this course will focus on the following:

- Reading: Text complexity and the growth of comprehension--fiction and informational texts
- Writing: Text types--expository/analysis, narrative, argument-- responding to reading, and research
- Speaking and Listening: Flexible communication and collaboration
- Language: Conventions, effective use, and vocabulary

1 Credit

1111 *Honors English 9 (Year Long Course)

Prerequisite: Successful completion of English 8 and Teacher Recommendation

Placement in this course is determined by a few of the following:

- MAP Test data points
- Academic performance
- Teacher recommendation
- Achievement testing

The English 9 CP course description also applies to this class. Honors English 9 will be taught at an accelerated pace, with a variety of higher leveled materials, and with the expectation that the accelerated student is willing to be challenged.

1 Credit

1224 *Honors English 10 (Year Long Course)

Prerequisite: English 9 and Teacher Recommendation

The goal of this course is to challenge students to read and analyze a variety of complex informational and literary texts and to enhance their writing skills in order to prepare them for AP English their junior and senior years. Students will enhance their language, speaking, and listening skills. In addition, students will focus on the ACT and take the state test in the spring.

1 Credit

1225 CP English 10 (Year Long Course)***Prerequisite: English 9 and Teacher Recommendation***

The goal of this course is for students to read and analyze a variety of informational and literary texts and to enhance their writing skills in order to make them career and college ready. Students will practice language, speaking, and listening skills. Students will take the 10th grade state test in the spring and prepare for the ACT.

1 Credit**1510 CP English 11 (Year Long Course)*****Prerequisite: Sophomore English***

The main objective of this course is to prepare students in order to make them college and career ready in reading, writing, speaking, listening, and language. Students will read informational texts and literary texts that range across genres, cultures, and centuries. Students will write routinely over extended time frames and shorter time frames in the form of arguments to support claims, informative and explanatory pieces to convey complex ideas and information clearly, and narratives. As stated in the new common core standards, students are expected to meet each year's grade-specific standards and retain understanding of skills taught.

1 Credit**1511 **AP Language/Composition (Year Long Course)*****Prerequisite: Teacher Recommendation***

This AP English 11 course combines the American Literature survey course with the AP English Language and Composition College Board curriculum. This class is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. The main objective is to enable students to write effectively and confidently in all of their remaining high school courses, as well as for college and later in their professional and personal lives. Students will be given the opportunity to take the AP Language and Composition test in the spring.

1 Credit**1610 CP English 12 (Year Long Course)*****Prerequisite: Junior English***

College Preparatory English is designed to be a comprehensive language arts class with an ultimate goal of college and career readiness. Students will be required to read and analyze a variety of fiction and non-fiction texts. Students will also be required to produce clear and coherent writing in a variety of styles that are appropriate to task, purpose, and audience. Furthermore, students will be expected to be valuable members of class and small group discussions. They will also be asked to deliver speeches adapted to a variety of contexts and tasks. Finally, appropriate research will be emphasized as a means to support writing and speeches.

1 Credit**1460 *Publications (Semester Course)*****Prerequisite: Honors English is recommended***

In the Publications class, the student will gain practical experience in writing, reporting, interviewing, and designing. This class will publish the Reading High School newspaper, *Devil's Advocate*. In addition to the school newspaper, students will be responsible for creating, publishing, and taking photographs for the school yearbook, *Pandemonium*. Real world experience in layout design, captions, and photography will be taught. After-school work is required to complete assignments. Advisor approval is required. Honors English is recommended.

½ Credit

1810 **AP English Lit/Comp (Year Long Course)***Prerequisite: Teacher Recommendation***

The AP Literature class is designed to challenge students with a number of mature texts, ranging from British and American Literature, to non-fiction, poetry and prose. This college course will require students to recognize and analyze a variety of rhetorical devices used within their readings, as well as expressing analyses in a clear and concise manner. The main objective is to prepare students for the rigors and demands of university life.

1 Credit

MATHEMATICS

The Reading High School Math Department is committed to maintaining an educational program that ensures that all students master the basic computational skills; have an opportunity to become mathematically literate; have an equal opportunity to learn math; and become informed citizens capable of understanding issues in a technological and informational society. Knowledge of mathematics is an essential element in the development of the whole person, and that proficiency in mathematics cannot be acquired without practice, inquiry, curiosity, intellectual discipline, core knowledge and skills.

Course#	Title	Level	Length	Credit	Pre-requisites	Fees
Algebra I						
2100	CP Introduction to Algebra	9	Year	1	Complete 8th grade math	
2120	CP Algebra I	9	Year	1	Teacher Approval	\$16±
2123	*Honors Algebra 1	9	Year	1	Teacher Approval	\$16
Geometry						
2220	CP Geometry (2222)~	10	Year	1	2121	\$16±
2110	* Honors Geometry	9,10	Year	1	Teacher Approval	\$16
Algebra II						
2210	CP Algebra II (2213)~	10, 11	Year	1	2221	\$16±
2211	*Honors Algebra II	10, 11	Year	1	2110 and Teacher. Approval	\$16
Additional Courses						
230/2309	CP Precalculus	11-12	Sem.	½	2211 or 2212	\$16±
2312+	**CCP Pre-calculus - College Alg. B MAT151	11 - 12	Sem.	1	2211 and Teacher Approval	
2314+	**CCP Precalculus - Trigonometry MAT 152	11 -12	Sem.	1	2211 and Teacher Approval	
2410+	** CCP Calculus 251	12	Year	1	2312 and 2314	
2420	Discrete Math	11,12	Sem	½	2212 minimum	
2421+	CP Probability & Statistics A	11,12	Sem.	½	2212 minimum	\$16
2431	** CCP Statistics B MAT131	11,12	Sem.	1	2421	
2430	Mathematical Applications	12	Sem.	½	2210/2212 can take concurrently.	
2533	**AP Computer Science Principles	11, 12	Year	1	2210/2212	
2534	**AP Computer Science A	12	Year	1	2533**, Teacher Approval	

**Honors Level = 4.5 A Course **AP = 5-point A course (class of 2026 and beyond)*

**Honors Level = 5-point A Course **AP = 5-point A course (class of 2023, 2024, 2025)*

+ = Requires graphing calculator

~While still a college prep course, the instruction will be approached in a different manner.

± Fee is charged during the first semester and covers both semesters of the math course.

ALL MATH COURSE SELECTIONS MUST HAVE TEACHER APPROVAL

CP Introduction to Algebra (Full Year Course)

Prerequisite: Teacher Recommendation

Algebra at a slower pace. This course is designed to review basic mathematical concepts while integrating them into a beginning Algebra course. Students taking this course still need to take CP Algebra 1 to meet the Algebra requirement for graduation.

1 Credit

2120 CP Algebra I (Full Year Course)

Prerequisite: *8th grade math or 7th grade accelerated math with teacher recommendation*

Algebra 1 is designed to give students a foundation for all future mathematics courses. The fundamentals of algebraic problem-solving are explained. Throughout the course, Common Core standards are taught and reinforced as the student learns how to apply the concepts in real-life situations.

1 Credit

2220 CP Geometry (Full Year Course)

Prerequisite: *Algebra I*

This course covers the required concepts of Euclidean geometry including definitions, postulates, and theorems. Throughout the course, Common Core standards are taught and reinforced as the student learns how to apply the concepts in real life situations.

1 Credit

2110 *Honors Geometry (Full Year Course)

Prerequisite: *Algebra I and Teacher Recommendation*

This course consists of plane and solid geometry. Triangle congruence, similarity, right triangle trigonometry, Pythagorean Theorem, properties of parallel lines and quadrilaterals an integral part of the course. Applications of geometry have a special focus in this rigorous course. Students are required to take the AIR Geometry end of course exam.

1 Credit

2210 CP Algebra II (Full Year Course)

Prerequisite: *Algebra I and Geometry*

Algebra 2 is designed to build on algebraic and geometric concepts. Throughout the course, Common Core standards are taught and reinforced as the student learns how to apply the concepts in real-life situations.

1 Credit

2211 *Honors Algebra II (Full Year Course)

Prerequisite: *Algebra I, Geometry and Teacher Recommendation*

Students expand their knowledge base acquired in Algebra I and Geometry as they explore various functions, including: quadratic, polynomial, exponential, logarithmic, rational, and trigonometric functions. The course incorporates additional work to further develop algebraic manipulation skills, and introduces the graphing calculator as a tool to solve various complex problems.

1 Credit

2308/2309 CP PreCalculus (Semester Course)

Prerequisite: *Algebra I, Geometry, and Algebra II*

Pre-Calculus A students will focus on rational functions, conic sections, exponential and logarithmic functions, systems of equations and inequalities. This course is designed to continue the review of topics that are likely to appear on college entrance exams in mathematics. Trigonometry is a branch of mathematics that studies relationships involving lengths and angles of triangles. Students will gain an understanding of unit circles, identities, law of sines and cosines, along with a working knowledge of vectors.

½ Credit for semester

2312 **CCP Precalculus College Algebra B MAT151 (Semester Course)***Prerequisite: Algebra I, Geometry, Algebra II and Teacher Recommendation***

College Algebra B students will focus on rational functions, conic sections, exponential and logarithmic functions, systems of equations and inequalities. This course is designed to continue the review of topics that are likely to appear on college entrance exams in mathematics. College Credit Plus students who receive a “C” or better will earn college credit through an accredited college.

1 Credit for semester**2314 **CCP Precalculus Trigonometry MAT152** (Semester Course)*****Prerequisite: Algebra I, Geometry, Algebra II and Teacher Recommendation***

Trigonometry is a branch of mathematics that studies relationships involving lengths and angles of triangles. Students will gain an understanding of unit circles, identities, law of sines and cosines, along with a working knowledge of vectors. College Credit Plus students who receive a “C” or better will earn college credit through an accredited college.

1 Credit for semester**2410 **CCP Calculus 251 (Full Year Course)*****Prerequisite: Algebra I, Geometry, Algebra II, Precalculus and Teacher Recommendation***

This course is designed to explicitly follow the topic outline in the College Board Course Description Manual for Calculus AB. The primary objective of the course is to provide a fundamental understanding of differential and integral calculus. In order to meet this objective, the course will develop a student’s comprehension of calculus by incorporating graphical, analytical, numerical, and verbal representations. College Credit Plus students who receive a “C” or better will earn college credit through an accredited college.

1 Credit**2420 CP Discrete Math (Semester Course)*****Prerequisite: Algebra I, Geometry, Algebra II***

Discrete Math is a course designed for juniors or seniors who have successfully completed Algebra II. The emphasis in Discrete Math is on problem solving in a non-algebraic design. The course will explore properties of sets and systems that have a finite number of elements, or discrete objects, and their relationships. This course will be beneficial to students interested in computer science. It may be taken concurrently with other mathematics classes.

½ Credit**2421 CP Probability & Statistics A (Semester Course)*****Prerequisite: Algebra I, Geometry, Algebra II and Teacher Recommendation***

Probability & Statistics A is a course designed for juniors and seniors who have successfully completed Algebra II. Students will understand and apply basic concepts of probability. Students will collect, organize, and display relevant data to answer real-world questions. They will select and use appropriate statistical methods to analyze data.

1 Credit

2431 **CCP Statistics B MAT131 (Semester Course)

Prerequisite: Algebra I, Geometry, Algebra II and Teacher Recommendation

Statistics MAT141 CCP is a course designed for juniors and seniors who have successfully completed Probability & Statistics A. Students will continue work with sampling distributions, probability, sample proportions and means, binomial distribution, and confidence intervals. Students will develop and evaluate inferences and predictions that are based on data. College Credit Plus students who receive a “C” or better will earn college credit through an accredited college.

1 Credit

2430 CP Mathematical Applications (Semester Course)

Prerequisite: Algebra I, Geometry, Algebra II

In Mathematical Applications, students will explore many of the ways math is used in the real world. A variety of topics will be discussed.

½ Credit

2533 **AP Computer Science Principles (Full Year Course)

Prerequisite: Algebra I, Geometry, Algebra II and Teacher Recommendation

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. Students taking this class for AP credit will be responsible for submitting a digital portfolio in addition to passing the AP exam.

1 Credit

2534 **AP Computer Science A (Full Year Course)

Prerequisite: Algebra II, AP Computer Science Principles and Teacher Recommendation

This course focuses on the details of writing computer software using the Java programming language. Our goal is to stress an object-oriented perspective throughout the material. The course emphasizes basic ideas of software engineering and our goal of developing high-quality software. We will also look at and discuss social and ethical issues around computing throughout the year.

The course will consist of code-along lessons, daily programming exercises, longer coding assignments, and regular quizzes and exams. Each lesson includes practice exercises including shorter coding problems. Well over 20 hours of instructional time is spent in hands-on coding. By the end of the course, you will be well prepared to take the AP Computer Science A exam.

1 Credit

MUSIC AND CHOIR

The Reading High School Music Department offers a program designed to help students discover and nurture individual musical interests and talents. Activities within the scope of the program emphasize guided musical learning experiences through performance, which develops musical growth.

Course #	Title	Level	Length	Credit
8200	High School Concert Band	9,10,11,12	Year	1
8300/8302	Choir	9,10,11,12	Sem.	½
8301	Select Choir	Audition/Approval	Year	1
8410	Musical Theater Workshop	10,11,12	Sem.	½
8420	Music Theory	9,10,11,12	Sem.	½
8430/8431	Rock –N- Roll Academy (1 st sem.) (2 nd sem.)	9,10,11,12	Sem.	½
8432/8433	Piano Keyboarding Skills (1 st sem.) (2 nd sem.)	9,10,11,12	Sem.	½

8200 High School Concert Band (Full Year Course)

High School Concert Band is intended for students who have completed band classes from the 6th grade. Those registering for the High School Concert Band are expected to know how to read music, understand ensemble playing, and have some knowledge of scales. Percussion players must have experience playing drum rudiments, and have versatility on several instruments. The High School Concert Band class performs 2 concerts per year. Marching band/pep band is available for members of the High School Concert Band as an after-school activity.

1 Credit**8300 Choir (1st Semester) 8302 Choir (2nd Semester)**

This course is designed for those who enjoy singing and would like to become better acquainted with all kinds of music through actual participation and performance. A variety of literature will be covered. Voice training and the basic essentials of reading music are a part of the course. Several public performances are held throughout the year and are required attendance. **Can be taken for a full-year.**

½ Credit per semester**8301 Select Choir (Full Year Course)*****Prerequisite: Audition and Director Recommendation***

This course is designed for students serious about music and improving in the vocal art. There will be an emphasis on advanced choral literature. Sight singing ability is a prerequisite for the course. The class involves several concerts, competitions, and extra performances as designated by the director.

1 Credit**8410 Musical Theater Workshop (Semester Course)**

This course is designed for students who enjoy acting, singing, and the stage. Students will experience many different theater games and activities. Students will learn the basics of character development, blocking, lighting, and sound. Students will learn and perform music theater repertoire. The class will also provide opportunities to perform and stage scenes. To enroll for this class, students must be willing to-perform in the classroom setting.

½ Credit

8420 Music Theory (Semester Course)

This class is for the aspiring musician who wants to learn how the music they love works. Students will learn the basics of music theory including such concepts as elements of pitch & rhythm and chords & harmonic progression. *This class is an academic music class, not a performance based class.*

½ Credit

8430 Rock –N- Roll Academy (1st Semester)**8431 Rock –N- Roll (2nd Semester)**

Rock and Roll Academy is a music program that emphasizes Social Emotional Learning through the experience of playing in a rock band. Students direct their own learning through the process of making choices regarding

½ Credit per semester

PHYSICAL EDUCATION AND HEALTH

Physical Education is concerned with the total well being of students. This encompasses interrelated studies in health and physical education programs that involve the cognitive, affective, and psychomotor domains. Basic concepts in physical development and health provide students with knowledge, skills and experiences in body development, opportunities for developing personal health/fitness plans, and skills and strategies in activities for lifelong participation and maintenance of wellness. Students are required to take 0.5 credits in order to meet the graduation requirements.

Course #	Title	Level	Length	Credit	Fee
8011	Physical Education	9, 10	Sem.	¼	
8044	Fitness/Conditioning	10,11,12	Sem.	¼	
8025	Health	9, 10	Sem.	½	\$6.00 CPR fee

8011 Physical Education (Semester Course)

All students must complete two semesters of Physical Education to meet graduation requirements. One semester must be completed in the freshman year. One semester must be completed in the sophomore year. It is recommended that students not take two back-to-back semesters of Physical Education during one year.

Course offerings will be primarily dictated by the time of year it is offered, with fall and spring offerings being outside and winter offerings in the gym.

Unit offerings such as softball, flag-football, and soccer will be in the fall of the year. In the winter, such offerings as basketball, table tennis, hockey, volleyball, weight training, indoor soccer, shuffleboard, and badminton would be offered. Spring units would include golf, softball, soccer, and flag football.

The overall purpose of the physical education curriculum is to introduce students to various activities that promote a lifetime of health and wellness. Students will be required to run a timed 1/2 mile the first 10 weeks and 1 mile the second 10 weeks. A test grade will be given for each based upon task completion.

A physician's statement will be required as an excused absence from participating for extended periods of time.
¼ Credit

8044 Fitness/Conditioning (Semester Course)

Prerequisite - Must have completed 2 regular PE classes with a B average.

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

¼ Credit

8025 Health (Semester Course)

All students are required to take one semester of health by the end of the sophomore year. Units of study include the following: alcohol, sexually transmitted diseases, consumer health, drugs, safety and first aid, mental health, nutrition, physical fitness, and tobacco.

Graduation Requirement

½ Credit

In the State of Ohio, students are required to complete one-half unit of physical education for graduation. One-half unit requires a minimum of 120 hours of course instruction. At Reading High School, this graduation requirement is met when a student completes two semester courses, each worth a quarter credit.

EXEMPTION TO THE PHYSICAL EDUCATION GRADUATION REQUIREMENT

(Based upon Section 3313.603 of the Ohio Revised Code, Letter L)

Beginning with the 2020-2021 school year, Reading High School students in grades 9-12 who successfully complete two full seasons of recognized school activities as outlined below may be excused from the high school physical education graduation requirement. However, prior participation in recognized activities cannot be retroactively used to fulfill waiver requirements.

The “Two Full Season” requirement can be completed within a single school year. According to Ohio Revised Code, boards of education may NOT provide for partial completion of the high school physical education requirement; therefore, the one-half unit requirement cannot be partially exempted. For example, it is not possible to combine one semester of a physical education course with successful completion of one athletic, marching band, or cheerleading season to meet the physical education graduation requirement.

IMPACT ON OVERALL GRADUATION REQUIREMENTS

Those students excused from the high school physical education graduation requirement are required to complete one-half unit, consisting of at least 60 hours of instruction, in another course of study, as determined by the student and parent in conjunction with school policy. Please note that students will not earn a letter-grade when utilizing the P.E. exemption waiver. Students will accordingly satisfy their P.E. obligation.

Those students utilizing the P.E. Exemption are still required to meet all other graduation requirements established by Reading High School including the completion of 21 credits required for graduation.

RECOGNIZED ACTIVITIES

Reading High School recognizes that “Two Full Seasons” of appropriate participation in the following activities may be used to satisfy P.E. Waiver requirements:

Baseball	Color Guard	Track
Basketball	Cross Country	Volleyball
Band	Football	Wrestling
Bowling	Golf	Marching Band
Cheerleading	Soccer	
Dance Team	Softball	

****Intramural sports or other club/non-school sponsored activities will not be approved unless otherwise noted by school administration****

PROCESS FOR PHYSICAL EDUCATION EXEMPTION

1. Student indicates desire to be exempt from Physical Education courses by choosing the P.E. Waiver option during course selection.
2. Once a student has completed BOTH SEASONS NECESSARY TO BE EXEMPT FROM PHYSICAL EDUCATION, the student will then submit the P.E. Exemption Waiver Form to their guidance counselor.
3. The Physical Education Exemption Waiver Form will list the two sports/band/cheerleading, etc., seasons completed, the year(s)/season(s) of participation, and the form will be turned into the student’s appropriate guidance counselor. It is the responsibility of the student to turn the form into the guidance department. **THIS WILL NOT BE DONE AUTOMATICALLY FOR THE STUDENT.**
4. The Physical Education Exemption Form will then be reviewed by the athletic department and the appropriate coaches for approval.

5. Once the appropriate exemption waiver is submitted to the guidance department and approved by the athletic office, students will have fulfilled the necessary requirements for exemption. Please note that a grade will not be given when utilizing the P.E. exemption waiver. Students will simply satisfy their P.E. obligation while still required to earn all 21 credits required for graduation from Reading High School.

** Please be aware that this exemption may not transfer should a student transfer to a different school district with different policies** Beginning with the 2020-2021 school year, students enrolled at Reading High School in grades 9-12 who successfully complete two full seasons of school-recognized activities may be excused from the high school physical education graduation requirement. However, prior athletic participation cannot be retroactively used to fulfill waiver requirements.

PHYSICAL EDUCATION WAIVER FORM

Once a student has met the “Successful Completion of a Season” expectations TWO TIMES in some combination of recognized activities, this form should be completed and returned to the guidance department to request exemption from the high school physical education graduation requirement.

Student Last Name

Student First Name

Season #1:

School Year Participation

Grade Level

Sport/Activity

Season #2:

School Year Participation

Grade Level

Sport/Activity

In making this request for exemption from physical education as a graduation requirement, I understand all expectations related to the “Two Full Season” requirement.

Student Signature

Date

Parent/Guardian Signature

Date

SCIENCE

The Reading High School Science Department is committed to the laboratory approach in the teaching of all of our course offerings. Students may select from a variety of course offerings designed to meet individual needs as well as graduation requirements.

Course #	Title	Level	Length	Credit	Prerequisite	Fee
3120	CP Physical Science 9	9	Year	1	8th grade science	\$37
3130	CP Biology	10	Year	1	Physical Science	\$48
3131	*Honors Biology	9, 10	Year	1	Physical Science and Co-requisite Honors Geometry	\$48
3220	CP Environmental Science	11, 12	Year	1	CP Biology or higher	\$28
3310	CP Chemistry	10, 11, 12	Year	1	CP Biology; Co-requisite Algebra II or higher or Teacher Recommendation	\$49
3312	**CCP Gen Chem 1040/1040L	12	Year	1	Chemistry and Teacher Recommendation; Prerequisite or Co-Requisite is Honors Physics or CCP Gen Phys Entrance exam scores for CCP through UC	
3311	*Honors Chemistry	10, 11, 12	Year	1	Biology Co-requisite Honors Algebra II or higher and Teacher Recommendation	\$49
3410	*Honors Physics	12	Year	1	Chemistry or higher; Co-requisite Pre-Calculus or higher	\$37
3411	**CCP Gen Phys 1051/1051L	12	Year	1	Precalculus or higher; Chemistry or higher and Teacher Recommendation. Entrance exam scores for CCP through UC.	
3420	*Honors Anatomy & Physiology	11, 12	Year	1	Chemistry or higher.	\$95

**Honors Level = 4.5 A Course **AP = 5-point A course (class of 2026 and beyond)*

**Honors Level = 5-point A Course **AP = 5-point A course (class of 2023, 2024, 2025)*

3120 CP Physical Science 9 (Full Year Course)

College prep Physical Science 9 will engage in inquiry learning using physical science to examine the world. It is designed to enhance students' ability to think critically and will require them to design, test, and evaluate several experiments. Units include basic scientific processes, physics, chemistry, and earth/space science.

1 Credit

3130 Biology (Full Year Course)

Prerequisite: CP Physical Science 9

College Prep Biology will investigate the world of living things. The major areas of study will be cellular biology, heredity, plant life, animal life, evolution and ecology. The course will utilize videos, laboratory activities and a variety of projects.

1 Credit

3131 *Honors Biology (Full Year Course)

Prerequisite: *Physical Science 9 and Teacher Recommendation*

Accelerated Biology will explore a variety of biological topics including cellular, heredity, evolution, plant life, animal life and ecology at greater speed and depth than the college prep level. The course will emphasize problem solving and critical thinking skills. Each student must work well in groups as well as individually. Laboratory work, projects, models, and research papers will all be required.

1 Credit

3220 CP Environmental Science (Full Year Course)

Prerequisite: *Biology*

This course investigates the impact of the human population on the earth. Included in the study of this course is resource consumption, population dynamics, earth's spheres, global climate change, mining, forestry, water and air pollution. Other topics explored in this course are biodiversity, conservation, and the sustainability of our planet. Course includes reading, lab work, research, and independent projects.

1 Credit

3310 CP Chemistry (Full Year Course)

Prerequisite: *Biology, enrolled in Algebra II or higher. If enrolled in (2213/2214), must have teacher recommendation.*

Chemistry is the study of matter and how it reacts. The course will focus on topics of atomic structure, chemical reactions, states of matter, bonding, mathematical relationships between chemicals, energy, solutions, and acid-base chemistry. The course will include demonstrations, experiments and a mathematical approach to science. The course is suggested for those students who plan to attend college after high school.

1 Credit

3311 **CCP Chemistry (Full Year Course)

Prerequisite: *completion 3310 Chemistry or 3312 HN. Chemistry**, completion or enrollment in 3410 Physics or 3410 Gen Physics CCP**, and recommendation of a science teacher*

This course will follow the University of Cincinnati's curriculum for the first semester of freshman chemistry. The major topics include: modern atomic theory, bonding, intermolecular forces, stoichiometry, solution chemistry, thermodynamics, acid-base reactions and redox reactions. Advanced lab and individual work will require strong math, reasoning and reading skills. College Credit Plus students who receive a "C" or better will earn college credit through an accredited college. Students wanting to earn college credit must take the ACT prior to registering for CCP in November. **Minimum required scores on UC Accuplacer test in Reading and Math or ACT Math score of 26 or higher or CCP Pre-Calculus grade of a C- or better.**

1 Credit

3312 *Honors Chemistry (Full Year Course)

Prerequisite: *3131 Honors Biology, enrollment in Honors Algebra II (2211) or higher and recommendation of a science and math teacher.*

Chemistry is the study of matter and how it reacts. The course will focus on topics of atomic structure, chemical reactions, states of matter, bonding, mathematical relationships between chemicals, energy, solutions and acid-base reactions. The course will include demonstrations, experiments and a mathematical approach to science. Advanced lab and individual work will require strong math, reasoning and reading skills. The course is suggested for those students who plan to attend college and have an interest in STEM fields.

1 Credit

3410 *Honors Physics (Full Year Course)

Prerequisite: Chemistry (3310) or Honors Chemistry (3312). Co-requisite Pre-Calculus or CCP Pre-Calculus

Physics is the study of how matter and energy interact. This course will examine topics including kinematics, dynamics, thermodynamics, sound, waves, light, and electricity. This course will prepare students for an introductory physics course at the college level. It will involve demonstrations, experiments, and mathematical analysis of the universe and challenge students to apply physics to real life.

1 Credit

3411 **CCP Gen Phys 1051/1051L (Full Year Course)

Prerequisite: Precalculus (2308/2309) or higher, Chemistry (3310) or Honors General Chemistry (3311) and recommendation of a math and science teacher. Minimum required scores on UC Accuplacer test in Reading and Math or ACT Math score of 27 or higher or CCP Pre-Calculus grade of a C- or better.

This course will follow the University of Cincinnati's curriculum for algebra-based freshman physics. Physics is the study of how matter and energy interact. It will examine topics including kinematics, dynamics, rotational dynamics and thermodynamics from both a theoretical and mathematical viewpoint. Experiments will be used to challenge students to apply physics to everyday life. Advanced lab and individual work will require strong math, reasoning and reading skills.

1 Credit

3420 *Honors Anatomy and Physiology (Full Year Course)

Prerequisites: Students are to be juniors working on three credits of science, including chemistry (3310) or seniors with three credits of science, including chemistry (3310). Science teacher must recommend students. Limited enrollment.

This course is designed to meet the needs of students seriously interested in the biological sciences as a career. It is specifically geared toward the professions of nursing, pharmacy, medicine, veterinary medicine, dentistry biology teaching, and other related fields. Students will perform large quantities of dissections during the 2nd semester. Due to the nature of the course, it is imperative that the student be willing to understand large quantities of anatomy terminology and to deal with the biochemical aspects of physiology.

1 Credit

SOCIAL STUDIES

The Reading High School Social Studies Department is committed to helping students become responsible citizens of the world by providing relevant History and Social Science courses.

Course #	Title	Level	Length	Credit	Pre-Req
4024	CP World History	9	Year	1	
4124*	*Honors World History	9	Year	1	
4230	CP US History	10	Year	1	
4240**	**AP US History	10,11,12	Year	1	
4350	CP Am. Government	11	Year	1	
4351**	**AP US Government & Politics	11, 12	Year	1	Successful completion of US History and AP Req. listed below
4342	*Mock Trial I	9,10,11,12	Sem.	½	
4344	*Mock Trial II	8,9,10,11,12	Sem.	½	8-12 only Successful completion of 4342
4483	**AP Psychology	12	Year	1	
<p>The following elective courses will be offered on an A/B cycle every other year.</p> <ul style="list-style-type: none"> - A Cycle classes will be offered in school years beginning with an even year, 22-23, 24-25, 26-27. - B Cycle classes will be offered in school years beginning with an odd year, ex. 23-24, 25-26, etc. 					Alternating Courses
4416	Human Behavior	11,12	Sem.	½	A
4417	Sociology	11,12	Sem.	½	B
4484	Local History (Ohio/Cincinnati/Reading)	10,11,12	Sem.	½	B
4485	Holocaust and Genocide	11, 12	Sem.	½	A

**Honors Level = 4.5 A Course **AP = 5-point A course (class of 2026 and beyond)*

**Honors Level = 5-point A Course **AP = 5-point A course (class of 2023, 2024, 2025)*

***Requirements for Honors and AP classes can include:

1. A semester grade of "A" or "B" in current or most recent social studies class
2. Recommended by current or most recent social studies teacher showing evidence of maturity in attitude and behavior
3. Application where applicable as noted in course descriptions.
4. Average MAP Score on Informational Text: Key Ideas & Language and Vocabulary of High Ave or High.
5. Record of good attendance (excessive absence will affect Honors/Advanced Placement standing).
6. Other indicators may be explored in cases where further evidence for eligibility is necessary (e.g. previous year's Honors class achievement tests; student interview)

4024 CP World History (Full Year Course)

World History I/II are required courses for all freshmen. Topics covered will include the following: Scientific Revolution/Enlightenment, French and Latin American Revolutions, Industrial Revolution, Imperialism, World War I, the Russian Revolution, Rise of Totalitarianism, World War II, the Holocaust, the Cold War, Post-Cold War Diversity, End of the Cold War, Post-Imperial Struggles, Emerging Economies & Technologies, and Modern Challenges. Projects, writing, assignments, and traditional tests and quizzes will be used to evaluate students' performances. In addition, social studies skills such as critical thinking, map making, graph interpretation, primary source analysis, debating, and cooperative learning are all incorporated. Assignments, quizzes and tests will model/emphasize the state of Ohio's standards.

1 Credit**4230 CP U.S. History (Full Year Course)**

US History is a required course for tenth grade students that do not take AP US History. The class begins with a detailed study of pertinent documents relating to the formative years of our nation including the Declaration of Independence, the United States Constitution and the Northwest Ordinance. Students will then move on to study Immigration, Industrialization, Westward Expansion, Progressivism and Imperialism and then World War I, the Great Depression and New Deal, World War II, the Cold War, Korea, Vietnam, the Civil Rights Movement, and the Post-Cold War world to the present. Students will focus on significant events in American History while using current events in order to make concepts relevant. In addition to the listed topics of study, students will be learning and using various skills, including, but not limited to the analysis of primary documents, simulations, debates, time lines, multimedia presentations, memorization, cooperative learning, thesis development, cause and effect analysis, correlation, contextualization, note-taking and outlining.

1 Credit**4240 **AP U.S. History (Full Year Course)**

Prerequisite: *See Requirements for Honors/AP listed above.*

AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. Students taking this course should be highly motivated as AP U.S. History is equivalent to a two-semester introductory college course in U.S. history and involves demanding time commitments.

1 Credit

4350 CP American Government - (Full Year Course)

This course is a survey of the national, state, and local governments of the United States to help students develop a better understanding of the structure and mechanics of our political system. It is designed to develop an awareness of the rights and responsibilities that individuals have as citizens in a democracy. This course also is a study of the economic system of the United States. It will examine what economics is, how economics is affected by internal politics as well as by outside forces, and how individuals are affected by our economic system.

1 Credit**4351 **AP United States Government and Politics (Full Year Course)**

Prerequisite: See Requirements for Honors/AP listed above.

This is a college-level course available to highly motivated juniors and seniors. The Advanced Placement course in United States Government and Politics is designed to give students a critical perspective on politics and government. This course involves both the study of general concepts used to interpret United States politics and an examination of the various institutions, groups, beliefs, and ideas that make up American politics as well as the Ohio Constitution. The curriculum includes extensive reading assignments, knowledge and use of research tools, production of a research project, problem solving, analytical writing, and evaluation of information sources. Preparation for the A.P. test will be an integral part of the course.

1 Credit**4342 *Mock Trial I (Semester Course)**

Prerequisite: This is an honors level course. See requirements for Honors/AP listed above. Application required, open to grades 9 - 12.

The purpose of this course is to help high school students gain a better understanding of and deeper appreciation for the law in American society. Students in this challenging class will learn substantial information about America's system of justice through strategies that promote the development of problem solving, critical thinking, cooperative learning, communication and conflict resolution. These skills will increase their ability to become star players for our democracy allowing them to effectively participate in American society. This class will involve an after-school time commitment as students prepare to participate in the Ohio Center for Law-Related Education's Mock Trial Competition.

½ Credit**4344 *Mock Trial II (2nd Semester Only)**

Prerequisite: for 8th graders - Teacher Recommendation and Application, for 9th-12th graders – Teacher Recommendation and successful completion of Mock Trial I.

Students will complete the initial work started in the Mock Trial I at the OCLRE level. 8th Grade students will learn how to assemble their showcase presentation according to the OCLRE model. High school students will serve as mentors in this process, teaching the students the fundamentals on the rules of evidence. When the showcase is complete in April, 8th graders and high school students will come together as one to begin work on the Federal Rules of Evidence and the Empire model, including learning the correct way to make oral arguments, the importance of witness prep, and the mode and method of appellate court. This class could involve an after-school time commitment as students prepare to participate in one of various competitions offered in the Spring.

½ Credit

4483 **AP Psychology (Full Year Course)

AP Psychology is a challenging course that is equivalent to a college course and can possibly earn students a college credit by scoring well on the AP Exam in May. It is a course designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.”

1 Credit**The Courses listed below are offered every other year.****4416 CP Human Behavior (Semester Course)**

The purpose of this course is to help students discover an understanding of the motivations and drives which are behind human behavior and social situations, which shape such behavior in a social context. Topics covered in the first semester include interpreting perceptions, learning, conditioning, language, intelligence/creativity and the cycles of life. *Offered every other year.*

½ Credit**4417 CP Sociology (Semester Course)**

Sociology is a semester course, which discusses how people typically behave and how societies are organized. By observation and interacting with one’s environment, students will gain a basic knowledge for understanding the social world they have experienced. Units covered will include the family, education, religion, health and health care, deviance and crime, race and ethnicity, economics and work, politics, population, the environment, social movements and social change. This class will utilize both in-class materials, as well as, media and computer labs. Students will also be required to complete a semester project. *Offered every other year.*

½ Credit**4484 Local History (Ohio/Cincinnati/Reading) (Semester Course)**

Exploring the vast local History of Ohio and showing students what has made Ohio one of the most important states in the country. Topics explored include: Native American populations, Presidents from Ohio, the geographic importance of Ohio’s waterways (Ohio River, Lake Erie, Erie Canal). The purpose of this course is to trace American History through the state of Ohio, the city of Cincinnati, and the city of Reading. *Offered every other year.*

½ credit**4485 Holocaust and Genocide (Semester Course)**

Prerequisite: Application and teacher recommendation required due to the nature of the content.

Students will dig into the periods of genocide and gain a better understanding of the perpetrators, victims, bystanders, and “upstanders,” each of whom played their part in the sad history of genocide. Holocaust and Genocide will feature an emphasis on research, making use of primary and secondary sources. The course is intended to impress upon students the fact that during each period of genocide, there were those who risked their lives in an attempt to save others. *Offered every other year.*

½ credit

WORLD LANGUAGE DEPARTMENT

The mission of the World Language department is to prepare the student, by means of a second language, to cope in a world which modern technology has caused to “shrink” rapidly. The demand for a second, or even third, language skill increases daily for many careers and is used as an indicator for college readiness. Our objective is to promote an understanding and to encourage the appreciation of other cultures while developing novice to intermediate levels of skill in Spanish or French.

World language students have the opportunity to achieve basic fluency and a fundamental command of language in the first and second years. A study of the language through the third-year level and beyond is highly recommended if the student desires to acquire adequate fluency and understanding of the language in order to successfully earn college credit, advanced placement, or demonstrate a competitive competency for the work world.

Course #	Title	Level	Length	Credit	Prerequisite	Fee
1611	CP French I	8,9,10,11,	Year	1	Teacher Approval	\$25.00
1621	CP French II	9,10,11,12	Year	1	1611 and/or Teacher Approval	\$25.00
1631	Honors French III	10,11,12	Year	1	1621 and/or Teacher Approval	\$25.00
1641	Honors French IV	10,11,12	Year	1	1631 and/or Teacher Approval	\$25.00
1811	CP Spanish I	8,9,10,11,	Year	1	Teacher Approval	\$25.00
1821	CP Spanish II	9,10,11,12	Year	1	1811 and/or Teacher Approval	\$25.00
1831	Honors Spanish III	10,11,12	Year	1	1821 and/or Teach. Approval	\$25.00
1846	Honors Spanish IV	10,11,12	Year	1	1831 and/or Teach. Approval	\$25.00

**Honors Level = 4.5 A Course **AP = 5-point A course (class of 2026 and beyond)*

**Honors Level = 5-point A Course **AP = 5-point A course (class of 2023, 2024, 2025)*

± Fee is charged during the first semester and covers both semesters of the course.

1611 CP French I (Full Year Course)

Why learn/study French? There are over 200 million speakers of French in over 29 countries. French, like English, is spoken on every continent. Whether you want to learn French for college acceptance, for business/career opportunities, for travel or for fun, French is a language that can open up your world.

Learning another language requires commitment. You will need to be prepared for class and ready to participate. Any language class is a combination of vocabulary and spelling, grammar and composition, listening comprehension, reading, and speaking. Success mastering a second language demands attention to detail, repetition, consistent practice, and a positive attitude toward learning.

This course provides an introduction to the language and culture of France and the French-speaking world. Students strive to attain an acceptable degree of proficiency in these basic skill areas: listening, speaking, reading, writing, and cultural awareness in the target language.

To increase the students' opportunity for success, **a 2.5 GPA or better is strongly recommended** to enroll.

1 Credit

1621 CP French II (Full Year Course)

Prerequisite: Successful completion of French I and/or Teacher Approval.

Let's continue what you started! Whether you're working on fulfilling your two or three-year college requirement and/or you want to learn French for business/career opportunities, for fun or for travel... let's take your learning up a notch to the next level.

This course is designed to strengthen and to expand the student's abilities to listen, understand, speak, read and write in French.. The lessons are an extension of CP French I and continue to reinforce and develop all of the skill sets while encouraging the student to be more accurate and spontaneous in daily life situations communicating in the target language. Additional core vocabulary is presented and a greater emphasis is placed on grammar and composition. By the end of the year, the student will communicate with greater ease and confidence at an elementary to high novice or low intermediate level.

Learning another language requires commitment. Any language course is a combination of vocabulary and spelling, grammar and composition, listening comprehension, reading, and speaking. Success mastering a second year language course demands attention to detail, routine individual study, and a willingness to participate with a positive attitude toward learning. To increase the students' opportunity for success, a **2.5 GPA or better is strongly recommended** to enroll.

1 Credit

1631 Honors French III (Full Year Course)

Prerequisite: Successful completion of French II and/or Teacher Approval.

This course is designed to encourage the student's application of skills mastered at the CP French I and CP French II levels while growing and enriching the student's conversational ability and overall comprehension in the target language. The student will acquire a command of key vocabulary from several new themes and study more complex grammatical structures necessary for intermediate to advanced communication. Emphasis is on listening and reading comprehension and self-expression: both written and spoken. The student will continue to develop an appreciation for the breadth and variety of cultures throughout the French-speaking world and explore career options for multilinguals.

Students electing to study Honors French III already accept that learning another language requires dedication and self motivation. Successful completion of Honors French III fulfills the World Language requirement for students seeking to earn an Honors Diploma from the State of Ohio upon graduation. Additionally, the experience prepares students for college level French courses and has the potential for students to earn college credit through CLEP testing or having college courses waived through the completion of university specific assessments. Degrees of fluency in any language course rely on the student's attention to detail, a desire to communicate in French, an adequate amount of time for study, and a willingness to participate in class with a positive attitude and with pride in accomplishments.

A **3.0 GPA average or better in French** is strongly recommended for enrollment in this course.

1 Credit

1641 French IV(Full Year Course)***Pre-requisite: Successful completion of French III and Teacher Approval***

French IV and you! Let's make this year of language learning more personal. We will assess your goals... college preparedness, business/career, travel and/or fun and create a program that best suits your needs. Short novels, French history, culture and art will be the focus alongside increasing your skills in Listening, Reading, Writing and Speaking. Our goal for you is to build your vocabulary and grammatical knowledge, incorporate these four skills and further expand your journey in learning French. Interactive language programs, foreign films and cultural projects will build your confidence and exposure to getting more from this program with your goals in mind. A **3.0 GPA average or better in French** is strongly recommended for enrollment in this course.

1 Credit**1811 CP Spanish I (Full Year Course)**

Spanish is the most frequently heard language in the U.S. today, next to English. U.S. News and World Report magazine reports that one out of every ten U.S. households has Spanish as a second language. Many careers in business, health-related fields, education, social services, government, construction trades, the military, and travel or hospitality seek to hire individuals with Spanish language skills at a variety of fluency levels.

Learning another language requires commitment. You will need to be prepared for class and ready to participate. Any language class is a combination of vocabulary and spelling, grammar and composition, listening comprehension, reading, and speaking. Success mastering a second language demands attention to detail, repetition, consistent practice, and a positive attitude toward learning.

This course provides an introduction to the language and culture of the Spanish-speaking world. Students strive to attain an acceptable degree of proficiency in these basic skill areas: listening, speaking, reading, writing, and cultural awareness in the target language. To increase the students' opportunity for success, a **2.5 GPA or better is strongly recommended** to enroll.

1 Credit**1821 CP Spanish II (Full Year Course)*****Prerequisite: Successful completion of Spanish I (1811) and/or Teacher Approval***

This course is designed to strengthen and to expand the student's abilities to listen, understand, speak, read and write in Spanish. The lessons are an extension of CP Spanish I and continue to reinforce and develop all of the skill sets while encouraging the student to be more accurate and spontaneous in daily life situations communicating in the target language. Additional core vocabulary is presented and a greater emphasis is placed on grammar and composition. By the end of the year, the student will communicate with greater ease and confidence at an elementary to high novice or low intermediate level. Continued exploration of Spanish speaking countries and peoples along with various projects related to the Hispanic world are included.

Learning another language requires commitment. Any language course is a combination of vocabulary and spelling, grammar and composition, listening comprehension, reading, and speaking. Success mastering a second year language course demands attention to detail, routine individual study, and a willingness to participate with a positive attitude toward learning. To increase the students' opportunity for success, a **2.5 GPA or better is strongly recommended** to enroll.

1 Credit

1831 Honors Spanish III (Full Year Course)***Prerequisite: Successful completion of Spanish II (1821) and/or Teacher Approval***

This course is designed to encourage the student's application of skills mastered at the CP Spanish I and CP Spanish II levels while growing and enriching the student's conversational ability and overall comprehension in the target language. The student will acquire a command of key vocabulary from several new themes and study more complex grammatical structures necessary for intermediate to advanced communication. Emphasis is on listening and reading comprehension and self-expression: both written and spoken. The student will continue to develop an appreciation for the breadth and variety of cultures throughout the Spanish-speaking world and explore career options for multilinguals.

Students electing to study Honors Spanish III already accept that learning another language requires dedication and self motivation. Successful completion of Honors Spanish III fulfills the World Language requirement for students seeking to earn an Honors Diploma from the State of Ohio upon graduation. Additionally, the experience prepares students for college level Spanish courses and has the potential for students to earn college credit through CLEP testing or having college courses waived through the completion of university specific assessments. Degrees of fluency in any language course rely on the student's attention to detail, a desire to communicate in Spanish, an adequate amount of time for study, and a willingness to participate in class with a positive attitude and with pride in accomplishments.

A **3.0 GPA average or better in Spanish** is strongly recommended for enrollment in this course.

1 Credit

1846 Honors Spanish IV (Full Year Course)***Prerequisite: Successful completion of Spanish Honors III and Teacher Approval.***

This advanced Spanish course is a continuation of Spanish III Honors and prepares motivated students to perform at a high level of proficiency. Activities are designed to review and reinforce students' knowledge as well as build their vocabulary, sharpen their grammatical skills and increase their cultural awareness of Spanish-speaking peoples. Upon completing the course, the student is expected to comprehend formal and informal Spanish and also speak, read and write cohesively and precisely at the second-year college level. A **3.0 GPA average or better in Spanish** is strongly recommended for enrollment in this course.

1 Credit

OPTIONAL COURSES

7500/7501 Service Learning (SL) (Semester Course)**Prerequisite: *Seniors Only***

Senior students interested in Service Learning MUST BE on track to Graduate and MUST receive approval from their Guidance Counselor.

¼ Credit**7505/7506 Inclusive Tutor (Semester Course)****Prerequisite: *Application, Instructor Recommendation (10th, 11th, 12th graders are eligible)***

This opportunity is open to a select group of Sophomores, Juniors and Seniors. Students will be placed into a daily volunteer position within the Elementary, Middle or High School where they would aid a teacher by tutoring and working with students in the classroom in small groups and one-on-one. Becoming an Inclusive Tutor is a great opportunity for anyone who might be interested in becoming an educator in the future, or for students who are looking for an opportunity to give back to their school community.

½ Credit**7600 College & Career Readiness/Test-Prep****Prerequisite: *10th, 11th, 12th graders only***

This course is designed to enhance students' skills for the future. Students will practice and prepare for the ACT. Students will practice writing college-level essays. Students will research college majors and options. Students will also practice interview skills, while researching potential careers.

½ Credit**Early Release****Prerequisite: *Seniors Only***

To qualify, a senior must be on track to graduate: requires 6 credits or less to graduate, have acquired the necessary points on the End of Course exams determined by the state of Ohio, and complete the early release contract signed by student and parent. This privilege will be revoked if the students fail to meet any of the criteria of the contract.