

# Ravenna High School



## Course Selection Booklet 2024-2025

6589 N. Chestnut Street  
Ravenna, Ohio 44266  
330-296-3844

[www.ravennaschools.us](http://www.ravennaschools.us)





Ravenna High School  
6589 N. Chestnut Street  
Ravenna, Ohio 44266  
Office: 330-296-3844  
FAX: 330-296-1855  
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Dear Students and Parents/Guardians:

Welcome to Ravenna High School! This Course Selection Booklet will help guide you through the scheduling process. Included for parents and students is information needed for planning a four-year program of study to complement a student's academic strengths and interests. Whether your plans include **Enrolling** in college, **Enlisting** in the military or gaining **Employment** right after graduation, the decisions you make now can have a positive impact on your plans for the future.

Students work closely with the school counselors throughout the process. Teachers are also important resources as they will recommend courses that are the next appropriate step in the department's course sequence. These recommendations are based upon your performance at the present level. You can then focus more specifically on selecting those elective courses that are of the most interest to you. You are encouraged to select the most challenging path that our curriculum offers to best prepare you for your future goals.

We begin this process in January and build our final course offering schedule around the requests. Those requests determine our master schedule along with our staffing requirements. Schedule changes often occur based upon requests and availability and the counselors work to resolve conflicts in the best possible manner available.

Please take time to review this Course Selection Booklet from beginning to end. It contains valuable information about the entire high school program and graduation requirements.

If you have any questions, please contact us. Our teachers, school counselors and administrators are partners in your success.

Sincerely,

Mr. Jonathan Lane  
Principal

Mr. Brian Duncan  
Assistant Principal

Ms. Kristin Stambaugh  
Dean of Students

**High School Phone Numbers**

High School.....330-296-3844  
High School FAX:.....330-296-1855  
Main Office Secretary.....x 2001  
Athletic Office Secretary.....x 2004  
Attendance Office Secretary.....x 2002  
Counseling Office Secretary.....x 2003

**High School Administrators and staff**

Mr. Jonathan Lane.....Principal  
Mr. Brian Duncan.....Assistant Principal  
Ms. Kristin Stambaugh.....Dean of Students  
Mr. Jim Lunardi.....Athletic Director

**High School Counselors**

Mrs. Renee Donofrio  
Students A-L.....x 2021  
  
Ms. Jennifer Browning  
Students M-Z.....x 2020

**Board of Education**

534 Summit Street  
Ravenna, Ohio 44266  
Phone: 330-296-9679  
FAX: 330-297-4158

**School District Administration**

***Superintendent:***  
Dr. Laura Hebert  
  
***Assistant Superintendent:***  
Mr. Ben Ribelin  
  
***Director of Curriculum & Instruction:***  
Mr. Lee Smith

**Board of Education Members**

Mrs. Patricia Dennison  
Mrs. Pamela Nation Calhoun  
Mrs. Joan Seman  
Mr. Mike Tontimonia  
Mr. Michael Wisniewski

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## **USING THE COURSE SELECTION BOOKLET**

The Course Selection Booklet contains all the essential information needed for students to plan their educational career. This should be read carefully by both students and parents/guardians prior to making course selections.

The courses requested each spring will determine the student's schedule of classes for the next school year. Therefore, all schedule changes must be completed prior to the end of the school year. When the new school year begins, only schedule changes relevant to academic misplacement and schedule conflicts will be considered.

## **COURSE REGISTRATION**

Starting in January, students begin to choose courses for the following year. Classroom teachers give recommendations to students regarding appropriate courses and levels. It is vital that students and parents choose carefully for next year and that all changes be made by the end of the current school year.

## **COURSE AVAILABILITY**

Sufficient enrollment is required for any course to be scheduled. If there is not sufficient enrollment in a particular course, it will not be offered.

## **SCHEDULE REQUIREMENTS**

*All students are required to register for a full schedule of seven (7) classes each semester.*

When you register please pay attention to the following:

1. Required courses
2. Requirements of core courses
3. Number of credits you are taking
4. Prerequisites for courses
5. Select electives to ensure seven (7) class periods are scheduled
6. Watch athletic eligibility, if warranted

*If you do not sign up for enough classes, you will be assigned enough electives to fill your schedule.*

## **SCHEDULE ADJUSTMENTS**

Planning a schedule for the next school year is a difficult task and situations may occur requiring a change in that schedule. These schedule changes, however, have a serious effect on class size, teacher assignments, and the overall master schedule and, therefore, must be made sparingly. Changes will not be made based on teacher preference. Changes in a student's schedule are processed through the school counseling department.

*No changes will take place unless one of the following occurs:*

1. There is a technical error in the scheduling process.
2. It is clear that the student is academically misplaced.
3. There is a scheduling conflict.

*No schedules will be changed after five (5) days into the semester, unless deemed necessary by the administration.*

## COURSE LEVEL DESCRIPTIONS AND OPTIONS

- **College and Career Readiness (CCR)** courses develop skills and knowledge for students who plan to attend a technical school, enter the world of work, or prepare them for admission and success in college.
- **Honors** courses contain more challenging content and demand a higher standard of student achievement.
- **College Credit Plus (CCP)** enables students to complete courses for college credit while in high school. Courses are available on a limited basis onsite at Ravenna High School in a traditional classroom setting, via online courses or on a college campus.
- **Advanced Placement (AP)** created by the College Board, offers college-level curriculum and examinations to high school students. Colleges often grant placement and course credit to students who obtain high scores above a certain number on the examinations. AP classes offered at Ravenna High School vary year to year.
- **Maplewood Career Center (MCC) for Juniors** is a career-based education plan while in high school. Students in this group take part in a 2-year program of study at the career center. They gain the skills needed to be successful in their particular career. Some students will continue their education upon graduation in 2-year schools as well as 4-year institutions. *Students must earn a minimum of 7 credits and be in 10<sup>th</sup> grade to apply for Maplewood. Students must be on track for graduation including completing their physical education, health and financial literacy class requirements before being eligible for Maplewood.*

## DEFINITION OF TERMS

Various words, expressions, or symbols will be used throughout this booklet. The following words or expressions are listed below for your reference.

<b>AP:</b>	The AP indicates an Advanced Placement course.
<b>Application:</b>	Course requires an application for appropriate prerequisite fulfillment.
<b>Credit/Unit:</b>	One credit is awarded for each full year course which requires class and out-of-class participation and meets five days a week for a school year. One-half credit is awarded for each semester course which requires class and out-of-class participation and meets five days a week for a semester. * <i>There is an exception for physical education credit. One semester of physical education equals one-quarter (1/4) credit</i>
<b>Credit Flexibility:</b>	See Credit Flexibility section in this booklet.
<b>College Credit Plus (CCP):</b>	College and high school credit are earned for college courses completed while in high school.
<b>Elective:</b>	These courses enhance a student's plan of study and help explore future interests for career, college, and beyond.
<b>Prerequisite:</b>	A course required for enrollment in the next level of the course.
<b>Required:</b>	Curriculum necessary to earn a high school diploma in Ohio.
<b>Semester:</b>	Eighteen Weeks: First Semester is from August through December; Second Semester is January through May.

# **OHIO HIGH SCHOOL DIPLOMA REQUIREMENTS**

## **REGULAR DIPLOMA**

A diploma will be granted if the student has completed all graduation course requirements and has met requirements set by the Ohio Department of Education and Workforce.

## **HONORS DIPLOMA**

An honors diploma will be granted if a student has met the requirements for a regular diploma by completing the college preparatory curriculum, passed all state testing requirements and has met at least seven (7) of the following eight (8) criteria. These requirements are mandated by the Ohio Department of Education and Workforce.

## **GRADUATION REQUIREMENTS**

**Complete all High School classes with a minimum of 20 credits**

English Language Arts	4 credits
Health	½ credit
Math	4 credits
Physical Education	½ credit
Science	3 credits
Social Studies	3 credits
Fine Arts	1 credit
Electives	4 credits
Financial Literacy	½ credit (Class of 2026 and Beyond)

## **Pass the state's Algebra I and English II tests**

Students who have taken required tests more than once without passing and have received remedial support are able to show competency through one of the following options below:

- Earn credit for one math and/or 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.

## **Graduation Seals**

Students must earn two diploma seals, one of which must be state defined.



### **Ohio Means Jobs Readiness Seal**

Demonstration of professional skills and competencies.

Students must have 3 mentors to validate the 15 professional skills needed to earn the seal.

<http://education.ohio.gov/getattachment/Topics/New-Skills-for-Youth/SuccessBound/OhioMeansJobs-Readiness-Seal/OMJ-Readiness-Seal-Validation-Form.pdf.aspx?lang=en-US>



### **Seal of Biliteracy**

Students demonstrate proficiency in English and at least one other world language through a series of test-based options.



### **College Ready Seal**

Earn remediation-free scores on the ACT or SAT:

- ACT English (18 or higher) Reading (22 or higher) Math (22 or higher)
- SAT Writing (430 or higher) Reading (450 or higher) Math (520 or higher)



### **Science Seal**

Proficient on the End of Course Biology test, Score of 3 or above

Or - Earning a "B" or higher in an approved CCP course

Or - Earning a final course grade of a "B" or higher in an advanced science course (Chemistry, Physics, Human Anatomy, Environmental Science)





### **Honors Diploma Seal**

Ravenna High School Honors Diploma or Career-Tech Honors Diploma, please see the Course Selection Booklet



### **Citizenship Seal**

Proficient on the End of Course American History and American Government Exams, Score of 3 or above

Or - Earning a “B” or higher in approved College Credit Plus Courses

Or - Earning a final course grade of a “B” or higher in American History and American Government



### **Military Enlistment Seal**

Providing evidence of enlistment in an armed services branch of the military



### **Technology Seal**

Completion of one year of the IPT program

Or - successful completion of CTE program through Maplewood Career Center

Or - Earning a “B” or higher in an approved College Credit Plus course



### **Industry-Recognized Credential Seal**

Earn an industry-recognized credential that is aligned to a job that is determined to be “in-demand” in this state and its regions.

Or - Earn a group of credentials totaling 12 points in a single career field. Obtaining a state-issued license for a practice in a vocation that requires an examination. Program approved through Maplewood Career Center



### **Community Service Seal**

Completing a minimum of 40 hours of community service during high school in a high-quality community service experience. Extra paperwork is required.



### **Fine and Performing Arts Seal**

Earning at least 5 full credits of approved fine arts program electives in one (1) of the following disciplines: visual arts, dance, drama/theater, music, or media arts during high school.

Students may also earn the seal by participating in 5 full seasons of a Board-approved fine or performing arts extracurricular activity.



### **Certified Student Engagement Seal**

Participating in at least 3 Board-approved extracurricular activities during high school. Eligible activities include participation in an athletic program, recognized school club or student government.

## HONORS DIPLOMA REQUIREMENTS

### High School Academic Diploma with Honors (must meet 7 of the 8 criteria)

Subject	Criteria
Mathematics	4 credits, 4th math must be > Algebra 2
Science	4 credits, 4th science must be an Advanced Science
Social Studies	4 credits
World Language	3 sequential credits of one world language, or 2 sequential units of two world languages studied
GPA	<b>3.5</b> on a 4.0 scale
ACT/SAT	ACT: Score of 27 or higher SAT: Score of 1280 or higher
Seal Requirement	Earn 2 additional diploma seals, not including Honors Diploma Seal
Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

### Career-Technical Diploma with Honors (must meet 7 of the 8 criteria)

Subject	Criteria
Mathematics	4 credits, 4th math must be > Algebra 2
Career-Tech Coursework	4 credits of Career-Tech Courses
Career-Tech Proficiency	Earned a cumulative score of proficient or higher on the technical assessments aligned to their program
World Language	2 credits of one world language
GPA	<b>3.5</b> on a 4.0 scale
ACT/SAT/WorkKeys Score	ACT: Score of 27 or higher SAT: Score of 1280 or higher WorkKeys: Earn a score of six or higher on all three sections of the WorkKeys assessment
Industry-Recognized Seal or Technology Seal	Meet requirements to earn the Industry Recognized Credential Seal or Technology Seal
Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

**\*Students can use OMJ Readiness Seal in 2 additional seal requirements if it is not used in Experiential Learning.**

The previous requirements to earn an honors diploma are also available for students in the classes of 2024-2025. Those requirements can be found on the Ohio Department of Education and Workforce's website.

## HONORS COURSE CRITERIA

Listed below are general criteria for students planning to take honors courses at Ravenna High School. A cross-disciplinary committee developed the criteria. Individual disciplines may have additional criteria.

- Students should be strong, independent learners.
- Students will be responsible for increased rigor in all areas of study relevant to the course.
- Students may be responsible for summer assignments.
- Students will be expected to conduct research, utilize technology, and demonstrate knowledge involving application, synthesis, reflection and evaluation.

## **COLLEGE & CAREER READINESS CORE CURRICULUM**

### **Recommendations for Ohio's State-Assisted Universities**

College-bound students should be aware that the state universities in Ohio (Akron, Bowling Green State, Central State, Cincinnati, Cleveland State, Kent State, Miami, Ohio State, Ohio University, Shawnee State, Toledo, Wright State, and Youngstown State) endorse the minimum core curriculum for college preparation in Ohio, which consists of the following:

English	4 credits
Math	4 credits
Science	3 credits (Biology, Chemistry, Physics)
Social Studies	3 credits
World Language	2 credits of the same language
Visual/Performing Arts	1 credit (Art, Industrial Tech., Music)

Private and out-of-state colleges and universities may require more extensive preparation in specific subject areas (ex. 3 credits of foreign language). Check with the college or university of your choice for additional information.

## **EDUCATIONAL OPTIONS**

The Ravenna School District provides several different opportunities for educational credit to be awarded for non-traditional education programs. All district and school policies must be followed and all educational option programs must be approved by the Ravenna High School administration. Listed below are various options for students.

### **CREDIT FLEXIBILITY**

Credit flexibility options are designed to broaden the scope of curricular options available to students, increase the depth of study available for a particular subject and tailor the learning time or conditions needed to complete learning for individual students. Credit flexibility expands the educational options previously available. Credit flexibility options are designed for students who can demonstrate the ability, interest, and maturity to accept personal responsibility for their learning in a selected curricular area. High school students can earn credit by:

- Completing traditional coursework in the classroom
- Testing out of/or demonstrating mastery of course content; or
- Pursuing one or more “educational options” (e.g. distance learning, online learning, educational travel, independent study, an internship, music, arts, after school/tutorial program, community service or engagement project, or sports).

For information regarding credit flexibility options and the application/approval process, *please contact the school counseling department and see forms on the district website.* Specific deadlines apply.

### **ACELLUS ONLINE CREDIT RECOVERY/DIGITAL CLASSROOM OPTIONS**

Students who need to complete credits for high school courses may have the option to do that online using the ACELLUS Credit Recovery program. Students will be assigned modules and assessments to complete. These courses may be taken during the school year or in the summer in order for students to make-up credits required for graduation. ACELLUS courses are also available as a Credit Flexibility educational option. *Please contact the school counseling department for more information.*

## **ADVANCED PLACEMENT**

Advanced placement grades reflect classroom performance for the entire year. Advanced Placement Tests (AP Tests) are part of the College Board Admissions Testing Program. Scores on the Advanced Placement exam reflect test performance at the conclusion of the course. High scores may earn college credit and advanced standing as determined by the university. AP Tests are required in all AP classes.

## **COLLEGE CREDIT PLUS AT RAVENNA HIGH SCHOOL**

College Credit Plus (CCP) at Ravenna High School allows students to earn both High School credit and college credit for courses taken at Ravenna High School. All courses offered through CCP, even courses offered at the high school, are the same courses that the college offers. CCP courses are available on a limited basis onsite at Ravenna High School in a traditional classroom setting. Ravenna High School teachers who are adjunct professors teach the courses and assign the grades. As part of the CCP program, students are required to follow all application procedures and meet the standards set forth by the college or university for enrollment. *See the school counseling department for an information packet. Strict deadlines apply.*

## **COLLEGE CREDIT PLUS AT COLLEGE OR UNIVERSITY**

The College Credit Plus program allows qualified high school students to take classes at colleges on a full-time or part-time basis. To be eligible to participate, students must complete the necessary paperwork for Ravenna High School and choose a college. In addition, students must meet the admission standards set forth by the college or university to be enrolled, which include grade point averages and ACT score requirements. Students enrolled in the CCP program full-time, will not be included in the Ravenna High School Honor Roll process the first and third nine weeks. CCP students may earn honor roll status the second and fourth nine weeks. Part-time CCP students must take a combination of five (5) classes between the University and RHS. To be considered full-time CCP students, 12 college level credits per semester must be taken. Students in the CCP program may opt to enroll in Dual-Credit classes at RHS. Students have the opportunity to take Kent State University classes at RHS and earn both high school and college credit. Student athletes are also required to obtain evidence from their professors that they are passing at the end of each high school grading period. *See the school counseling department for an information packet. Strict deadlines apply.*

Qualified 7th through 12th grade students are eligible to enroll in courses at a College Credit Plus institution, however, 7th and 8th grade students must meet the same admissions standards as students in grades 9-12.

Students will have the opportunity to take a 15 credit hour or a 30 credit hour pathway, per year. These courses can be fulfilled over multiple semesters and should support a career path or major.

# College Credit Plus Pathways Example

## Ravenna High School & Kent State University

The Pathways below are designed to be flexible. Students are able to change the courses listed upon consultation with their high school counselor and Kent State University academic advisor. Course enrollment is based upon placement, preference, academic goals, high school graduation requirements and course availability. College Credit Plus Pathway courses can be completed part time over multiple semesters.

### 15 Credit Hour Pathway

Kent Course Name & Number	Course Prerequisites	Location	High School Requirements	College Credits
ENG 11011 - College Writing	Placement	Kent State University	English	3
Math 11009-Modeling Algebra -OR- Math 11010 - Algebra for Calculus -OR- Math 12001 - Trigonometry	Placement  Placement  Placement	Kent State University Kent State University Ravenna High School	Math Math Math	4 3 5
MUS 22121 - Understanding of Music -OR- THEA 11000 - The Art of Theater		Kent State University Kent State University	Fine Art Fine Art	3 3
PHY 11030 - Seven Ideas That Shook the Universe -OR- BSCI 10120 (STEM Major) - Biological Foundations		Ravenna High School Kent State University	Science Science	3 4
PSYC 11762 General Psychology -OR- SOC 12050 -Introduction to Sociology -OR- HIST 12071 - History of the US: The Formative Period -OR- ECON 22060 - Microeconomics	Math Placement	Kent State University Kent State University Kent State University Kent State University	Social Science Social Science US History Economics	3 3 3 3
				Total Credits: 15 maximum

### 30 Credit Hour Pathway - Continuation (includes 15 credit hour Pathway)

Kent Course Name & Number	Course Prerequisites	Location	High School Requirement	College Credits
ENG 22072 - Great Books Since 1700	ENG 11011	Kent State University	English	3
MATH 11012 (BUS Major) - Intuitive Calculus -OR- MATH 11022 (STEM Major) - Trigonometry -OR- MATH 12002 (STEM Major) - Analytic Geometry & Calculus I	Placement Placement Placement	Kent State University Kent State University Ravenna High School	Mathematics Mathematics Mathematics	3 3 5
COMM 15000 Introduction to Human Communication		Kent State University	English Elective	3
PHY 21430 (Non-science Major) - Frontiers in Astronomy -OR- CHEM 10060 (STEM Major) - General Chemistry I	Math Placement	Ravenna High School Kent State University	Science Science	3 3
PHY 21431 - Frontiers in Astronomy Lab -OR- Chem 10062 - General Chemistry		Ravenna High School Kent State University	Science Lab Science Lab	1 1
Psych 11762 - General Psychology -OR- SOC 12050 - Introduction to Sociology -OR- HIST 12071 - History of US: The Formative Period -OR- POL 10100 - American Politics		Kent State University Kent State University Kent State University Kent State University	Social Science Social Science US History US Government	3 3 3 3
				Total Credits: 15 Maximum

### **SPECIAL EDUCATION**

The Ravenna School District special education program serves students with disabilities through a comprehensive testing program and consultation with special education staff, in accordance with guidelines set forth by the Ohio Department of Education and Workforce.

If a student qualifies for special education services, the goals and services on the Individualized Education Plan (IEP) will be reviewed with the parent and the team of educational professionals (school psychologist, intervention specialist, regular education teacher, administrator, and counselor).

Students with special education needs are provided a course of study determined by their IEP team. Students are educated in the least restrictive setting first. Other support systems are:

Co-teaching: A co-teaching model is available in English, math, science, and social studies. An Intervention Specialist works in conjunction with the regular education teacher to provide modifications as specified in the student's IEP.

Resource Room Classes: Resource classes modify the curriculum to meet students' needs. Classes are taught to special education students by an intervention specialist.

## **ATTENDANCE POLICY**

### **LIMITATIONS ON ABSENCE**

Students who miss more than 10 class periods during a semester course will receive an LC.  
Students who miss more than 20 class periods during a year long course will receive an LC.

**Seniors** who have earned an LC in a year-long course will become part of the following process explained. Teachers will contact the appropriate school counselor, parent(s) and/or guardian(s), and administrators to communicate the loss of credit (LC) for a student. Upon loss of credit, seniors will meet with the teacher, a guidance counselor and administrator to determine the next step. Students will typically remain in the class and continue the coursework to earn a passing grade. The student may also begin the appropriate ACELLUS coursework to redeem the portion of the course material missed and/or complete assignments. ALEKS, assessments, and/or projects to redeem the portion of the course material missed.. This may take place during Raven Pride Time (RPT) and/or study hall. The course grade *and* grade from ACELLUS coursework/assignments from the teacher will then be averaged for the student's final grade. The teacher will enter an LC as the final grade when appropriate. The LC may be removed under extenuating circumstances and with the approval of the principal or an assistant principal.

**Underclassmen** who have earned an LC in a year-long course will remain in the class and will make up the missed material in summer school ACELLUS. Students will be assigned the appropriate ACELLUS coursework and may test out of the content they have mastered and complete the remaining course material. If underclassmen fail to attend summer school ACELLUS, then they will fail the course and will be required to take the course during the school year in the classroom or on ACELLUS, depending on a decision made by school counselors and administration.

## **GRADING POLICIES**

### **FAILURE OF COURSE WORK**

Failing a required class may result in taking a summer school course or being enrolled in the ACELLUS credit recovery program. Students may also choose to retake a course in the classroom during the regular school year. *See your school counseling department for summer school information or to create a plan to make-up failed coursework.*

### **HONOR ROLL/MERIT ROLL**

Honor Roll/Merit Roll students who receive a 4.0 or higher for the grading period are listed on the **High Honor Roll**. Students who receive a 3.5 or better are listed on the **Honor Roll**. Students who receive a 3.0-3.499 are listed on the **Merit Roll**.



## eSchoolPLUS HOME ACCESS CENTER ONLINE GRADE AND PROGRESS INFORMATION

Parents/guardians may access their child's grade information at any time by logging on to the Ravenna School District's website by way of the Home Access Center (HAC). All parents/guardians are issued a password that will allow entry into the site. Parents/guardians may request their child's password through the school counseling department. No passwords will be provided via phone.

### WEIGHTED GRADES

The final grade for students in grades nine through twelve for each of his/her subjects will be computed by averaging the two nine week grades and the midterm exam (if given) at the weight of forty percent (40%), forty percent (40%), twenty percent (20%) (nine weeks, nine weeks exam). The final grade will be the average of the two semester grades.

Letter Grade	Grading Scale	Regular Points	Honors Points	CCP Points
A+	97-100%	4.0	4.5	5.0
A	93-96%	4.0	4.5	5.0
A-	90-92%	3.7	4.2	4.7
B+	87-89%	3.3	3.8	4.3
B	83-86%	3.0	3.5	4.0
B-	80-82%	2.7	3.2	3.7
C+	77-79%	2.3	2.8	3.3
C	73-76%	2.0	2.5	3.0
C-	70-72%	1.7	2.2	2.7
D+	67-69%	1.3	1.8	2.3
D	63-66%	1.0	1.5	2
D-	60-62%	.6	1.1	1.6
F	50-59%	0	0	0
P	passing			
I	incomplete			

## **TESTING INFORMATION**

### **ACT**

The American College Test is a test used for admission and placement by colleges and universities. The test consists of four subtests: English, mathematics, reading, and science. A 30-minute writing test is also available. Students are permitted to use calculators on the mathematics test. An interest inventory is completed at the time of registration. Results of the test and interest inventory assist students with their educational and career planning.

It is recommended that college-bound juniors take the ACT in February, April, or June and seniors take/retake the ACT in September, October or December. Strong academic students in grades 9 and 10 may want to take the ACT for practice. Students may register online at [www.actstudent.org](http://www.actstudent.org). Ravenna High School is a testing site. Our site number is **235770**.

Some colleges require the writing portion of the ACT and some colleges are test optional for admissions. Therefore, check with the college or university of your choice for specific admissions requirements.

### **SAT**

The SAT has two testing options: Reasoning Test and Subject Tests. The SAT is used by many colleges for admission. All colleges in Ohio accept these tests for admission and placement. A student must be sure to check the testing requirement for each college or university he/she is considering.

Many selective colleges and universities may use the SAT Reasoning Test and the SAT II: Subject Tests as part of their admission procedure. The Subject Tests are one-hour, multiple-choice tests in writing, literature, world language, history, mathematics, sciences, and English as a second language.

The SAT is given seven times during the year. It is recommended that juniors take the SAT in March, May or June. These tests will assist students in their college planning and in satisfying requirements. Seniors take/retake the SAT in October, November, or December. Students may register online at [www.collegeboard.com](http://www.collegeboard.com).

### **PSAT**

The PSAT will be offered for the purpose of national merit scholarship. The PSAT includes questions designed to measure verbal reasoning skills, critical reading skills, math problem-solving skills, and a measure of writing skills. Students will be permitted to use any four-function, scientific, or graphing calculator on the test. The PSAT serves two purposes: to provide practice for the SAT and to enable juniors to compete for scholastic recognition and financial awards through the scholarship program administered by the National Merit Scholarship Corporation. Students register in the fall for the PSAT through the school counseling department.

### **ASVAB**

The Armed Services Vocational Aptitude Battery (ASVAB) is a multi-aptitude test battery that is designed to measure your abilities at this time in your life. It consists of eight short individual tests covering verbal skills, math skills, science and technical skills. The ASVAB Career Exploration Program is a comprehensive career exploration and planning program that assists students with planning for the world of work, college, and/or vocational planning or entering the military.

## **TRANSCRIPTS**

Transcripts provide a record of high school courses, grades, attendance, credits earned and test scores. Each year an updated transcript for current RHS students is viewable on Naviance. Students may request additional transcripts to be sent to colleges, for scholarships, etc., by completing a transcript request through their Naviance account. Because of the volume of transcripts processed in the school counseling department, transcript requests should be submitted two weeks before any deadline. One year following graduation, transcripts are requested through the Business Operations Department.

## **TRANSFER STUDENT GRADES/CREDITS**

The records of transfer students are evaluated individually using the grades and credits granted by the previous school. All courses and grades will be transferred as well as the credit earned. All home-schooled transfer student records will be evaluated by an administrator for grades and credit approval.

## **SCHOOL COUNSELING DEPARTMENT**

The Counseling Department is committed to providing a comprehensive school counseling program that is supported by the American School Counselor Association and the All Ohio Counselor Association. The school counselors provide guidance and counseling services to each student in the high school. These services facilitate emotional, social, and educational growth and assist students to achieve their full potential as lifelong learners and citizens of the world.

Among the services provided by the School Counseling Department are:

- Student Enrollment and Withdrawal
- Academic Advisement and Counseling
- Graduation Requirements and Checklists
- Four-Year Academic Planning
- Short-term Individual and Small Group Counseling
- Crisis Intervention
- Parent/Teacher Conferences
- Transcript Services
- Guardian of the Student Academic and Personal Records
- Community Referral Liaison
- Referral to After School Interventions

## **NAVIANCE**

We are pleased to introduce you to Naviance Student, a mobile-friendly, comprehensive website that you and your student can use to make plans about colleges and careers. Naviance Student is linked with Naviance™, a service that we use in our office to track and analyze data about college and career plans, so it provides up-to-date information that's specific to our school.

Naviance Student allows you to:

- Get involved in the planning and advising process – Build a resume, complete online surveys, and manage timelines and deadlines for making decisions about colleges and careers
- Research colleges – Compare GPA, standardized test scores, and other statistics to actual historical data from our school for students who have applied and been admitted in the past
- Research careers – Research hundreds of careers and career clusters, and take career assessments

- Create plans for the future – Create goals and to-dos, and complete tasks assigned to you by the school to better prepare yourself for your future college and career goals

We use Naviance for college document submissions. Naviance will simplify the processes the counseling department and teachers follow to send transcripts, school reports, and recommendation letters to colleges, including all Common Application colleges.

These videos will help you understand the process better:

- Common App Matching - <https://www.screencast.com/t/gxEQkElyo1>
- Students Requesting Transcripts - <https://www.screencast.com/t/Bk6kjS5ySK>
- Requesting Letters of Rec - <https://www.screencast.com/t/VD4X5XiMU>

We encourage you to use SuperMatch to conduct a college search and start building your “Colleges I’m Thinking About” lists. Additionally, you can start researching Scholarships you would like to apply for by accessing your school's Scholarship List and the National Scholarship tool. You can also view the videos in the [College Application video series](#) for additional information on the student application process we will be using in Naviance Student.

## **ATHLETICS**

### **Athletic Eligibility**

Student athletes must meet both Ravenna School District and Ohio High School Athletic Association (OHSAA) eligibility requirements.

To be eligible to participate in an athletic contest, a student must be currently enrolled and must have been enrolled in school the preceding grading period (nine weeks). The student must be passing a minimum of five, one-credit courses or the equivalent in the immediately preceding grading period. A first semester freshman must have passed a minimum of five (5) of all subjects in which they enrolled in the immediately preceding grade period. **Note:** Students taking College Credit Plus must comply with these standards. See CCP section for more information.

### **NCAA Eligibility Requirements**

*In order to qualify for Division I or Division II, students must complete a college preparatory curriculum.*

A student who plans to play college sports must be certified by the NCAA Eligibility Center. To be certified, a student must apply for certification at the beginning of his/her senior year in high school if he/she is sure they wish to participate in intercollegiate athletics as a college freshman at a Division I or Division II institution. The student should complete the Eligibility Center registration online at <http://www.eligibilitycenter.org>. Students must contact the school counselor for information regarding athletic eligibility and to submit transcripts.

Students entering any college or university will be evaluated for NCAA initial-eligibility under the rules as described on this page. The-rule:

- Division I: Students must have a minimum core course grade point average of 2.3.
- Division II: Students must earn a minimum core course grade point average of 2.2.

## **DIVISION I-Initial Eligibility**

### **16 Core-Course Rule**

16 Core Courses:

- ✓ 4 years of English
- ✓ 3 years of Mathematics (Algebra I or higher)
- ✓ 2 years of Science (1 year of lab if offered by high school)
- ✓ 1 years of additional English, Mathematics or Science
- ✓ 2 years of Social Science
- ✓ 4 years of additional courses (from any area above or courses listed in additional discipline)

## **DIVISION II-Initial Eligibility**

### **16 Core-Course Rule**

16 Core Courses:

- ✓ 3 years of English
- ✓ 2 years of Mathematics (Algebra I or higher)
- ✓ 2 years of Science (1 year of lab if offered by high school)
- ✓ 3 years of additional English, Mathematics or Science
- ✓ 2 years of Social Science
- ✓ 4 years of additional courses (from any area above or courses listed in additional discipline)

## **NCAA Eligible High School Student Timeline**

### **Grade 9**

- o Register for a free Profile Page account.
- o Use NCAA Research's interactive map to help locate NCAA schools you're interested in attending.
- o Find the high school's list of NCAA-approved core courses in the Counseling Office.

### **Grade 10**

- o If you're being actively recruited by an NCAA school and have a Profile Page account, transition it to the required certification account.
- o Monitor the task list in your NCAA Eligibility Center account for next steps.
- o At the end of the school year, ask your school counselor to upload your high school transcript.

### **Grade 11**

- o Ensure your sports participation information is correct in your Eligibility Center account.
- o Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved core courses and graduate on time.
- o Share your NCAA ID with NCAA schools recruiting you so each school can place you on its institutional request list.
- o At the end of the school year, ask your school counselor to upload your high school transcript.

### **Grade 12**

- o Request your final amateurism certification beginning April 1 for Fall enrollment.
- o Apply and be accepted to the NCAA school you plan to attend.
- o Complete your final NCAA- approved core courses as you prepare for graduation.
- o At the end of the school year, ask your school counselor to upload your high school transcript.

# Required Course Selections

# ENGLISH

Course	Prerequisite	Credit	Grade Level
English 9	y	1	9
Honors English 9	y	1	9
English 10	y	1	10
Honors English 10	y	1	10
English 11	y	1	11
Honors English 11	y	1	11
English 12	y	1	12
Honors English 12	y	1	12
AP Literature and Composition	y	1	12

## Electives:

Creative Writing	n	½	9, 10, 11, 12
Freshmen English Academy	n	½	9
Horror Fiction	n	½	9, 10, 11, 12
Integrated English	y	½	11
Journalism	n	½	9, 10, 11, 12
Literacy in Popular Films	n	½	9, 10, 11, 12
Newspaper	n	1	9, 10, 11, 12
Speech and Debate	n	½	9, 10, 11, 12
Sports Journalism and Literature	n	½	9, 10, 11, 12
Young Adult Literature	n	½	9, 10, 11, 12

Four years of English instruction are offered with a concentration in reading, writing, oral communication and listening/visual literacy. The integrated reading and writing program stresses the process approach. The English department curriculum is aligned with the state-mandated standards.

To succeed in English studies and to be prepared to meet career goals, students must choose carefully from the classes offered and must take the courses in sequential order. Students are encouraged to consult with an English teacher for assistance in making the appropriate level selection.

## Ravenna High School English Flowchart

**Sample English Pathways: (Students can and are encouraged to excel to a higher level pathway.)**

9th Grade⇒	10th Grade⇒	11th Grade⇒	12th Grade (choose 1)
English 9	English 10	English 11	English 12
Honors English 9	Honors English 10	Honors English 11	Honors English 12 AP Lit and Comp
<b>English Electives 9</b> Creative Writing Horror Fiction Journalism Literacy in Popular Films Newspaper Speech & Debate Young Adult Literature	<b>English Electives 10</b> Creative Writing Horror Fiction Journalism Literacy in Popular Films Newspaper Speech & Debate Young Adult Literature	<b>English Electives 11</b> Creative Writing Horror Fiction Journalism Literacy in Popular Films Newspaper Speech & Debate Young Adult Literature	<b>English Electives 12</b> Creative Writing Horror Fiction Journalism Literacy in Popular Films Newspaper Speech & Debate Young Adult Literature

Sports Journalism & Lit	Sports Journalism & Lit	Sports Journalism & Lit	Sports Journalism & Lit
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## Course Descriptions

### English 9 Courses:

Students will critically read a variety of works including those from both fiction and nonfiction genres, and students will be expected to actively participate in class discussions. Proper grammar, usage, and vocabulary are taught in the context of writing. Students will study the backgrounds of authors, analyze the elements of literature, and apply those to literary works. Major works of this course include *Of Mice and Men*, *The Odyssey*, and *Romeo and Juliet*. Students will write narrative, expository, and argumentative papers. They will be introduced to the research process and will complete writing assignments that include proper usage of MLA format. They will also be introduced to argumentative writing and begin evaluating arguments for effectiveness. Group work and oral presentations are required. Students are expected to complete daily homework assignments. NCAA approved 1 credit.

**Course: English 9**  
**Course Number: 0202**  
**Credit: 1**

**Grade Level: 9**  
**Length: Full year**  
**Prerequisite: None**

**Course: Honors English 9**  
**Course Number: 0203**  
**Credit: 1**

**Grade Level: 9**  
**Length: Full Year**  
**Prerequisite: "B" average or above in English 8 and teacher recommendation**

### English 10 Courses:

Students will critically read a variety of works including those from both fiction and nonfiction genres, and students will be expected to actively participate in class discussions. Proper grammar, usage, and vocabulary are taught in the context of writing. Students will study the backgrounds of authors, analyze the elements of literature, and apply those to literary works. Major works of this course include *Night*, *To Kill a Mockingbird*, and *Macbeth*. Students will write narrative, expository, and argumentative papers. They will continue to enhance research skills and will complete a research-based argumentative paper that includes proper usage of MLA format. Group work and oral presentations are required. Students are expected to complete daily homework assignments. NCAA approved 1 credit.

**Course: English 10**  
**Course Number: 0204**  
**Credit: 1**

**Grade Level: 10**  
**Length: Full Year**  
**Prerequisite: Successful completion of English 9**

**Course: Honors English 10**  
**Course Number: 0206**  
**Credit: 1**

**Grade Level: 10**  
**Length: Full Year**  
**Prerequisite: "B" average or above in Honors English 9 and teacher recommendation**



## **English 11 Courses:**

Students will critically read a variety of American literature selections, both classic and contemporary and will actively participate in class discussion. They will study literary periods with an emphasis on historical events and influences, authors' backgrounds, and various styles of writing. Analysis, application and evaluation of the elements of literature are expected. Major works of this course include *The Crucible*, *The Scarlet Letter*, and *A Raisin in the Sun*. Students will write a variety of papers with an emphasis on literary analysis and argumentation. Further enhancement of research skills and a formal research paper in proper MLA format is a requirement for this course. Proficient use of grammar is expected. Group work and oral presentations are required. Students are expected to complete daily homework assignments. NCAA approved 1 credit.

**Course: English 11**  
**Course Number: 0208**  
**Credit: 1**

**Grade Level: 11**  
**Length: Full Year**  
**Prerequisite:** *Successful completion of English 9 & 10*

**Course: Honors English 11**  
**Course Number: 0209**  
**Credit: 1**

**Grade Level: 11**  
**Length: Full Year**  
**Prerequisite:** *"B" average or above in Honors English 10 and teacher recommendation*

## **English 12 Courses:**

Students will critically read, analyze and respond through class discussions and writing assignments to a variety of British literature selections from the Anglo-Saxon period through the Restoration Period. Students will also read several novels relative to the study of British literature. Major works of this course include *The Catcher in the Rye*, *Lord of the Flies*, and *Hamlet*. A variety of writing will be expected in proper MLA format with an emphasis on research, analysis, argumentation, and college entrance-related papers. Career exploration activities are also required of this class. Proficient use of grammar is expected. Group work and oral presentations are required. Students are expected to complete daily homework assignments. NCAA approved 1 credit.

**Course: English 12**  
**Course Number: 0641**  
**Credit: 1**

**Grade Level: 12**  
**Length: Full Year**  
**Prerequisite:** *Successful completion of English 9, 10 and 11*

**Course: Honors English 12**  
**Course Number: 0212**  
**Credit: 1**

**Grade Level: 12**  
**Length: Full Year**  
**Prerequisite:** *"B" average or above in Honors English 11 and teacher recommendation*

**Course: AP Literature and Composition**  
**Course Number- 0228**  
**Credit: 1**

**Grade Level: 12**  
**Length: Full Year**  
**Prerequisite:** *Students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences.*

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. The corresponding AP Literature and Composition Exam will be administered according to the date established by the College Board.

## **ENGLISH ELECTIVES**

**Course: Creative Writing**  
**Course Number: 0222**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite:** *None*

Creative Writing is a course designed for those students who wish to enhance and demonstrate their creative energies. Students will be provided with opportunities to think, read, investigate, write, rewrite, imitate, invent, respond, discover and surprise. Students will write based on a variety of genres including short stories, poetry, and plays while exploring characters, settings, and conflicts. Students will have the opportunity to experiment with literary devices and various techniques in their writing samples. Some of the writing will follow specific assignments, and some will be independently student-generated. NCAA approved ½ credit.

**Course: Freshmen English Academy**  
**Course Number: 0642**  
**Credit: ½**

**Grade Level: 9**  
**Length: One semester**  
**Prerequisite:** *OAA reading scores and/or teacher recommendation*

This course is designed to strengthen a student's reading capabilities through focus on the areas of vocabulary development, phonemic awareness, fluency, word recognition, and responses to pieces of literature. Students will practice new reading strategies and reinforce learned reading strategies. Students will use technology, cooperative learning groups and independent reading to practice skills such as predicting, questioning, clarifying and summarizing. Reading material will be matched to a student's interest and skill level and will include fiction and nonfiction. This course will help prepare students to read across the curriculum and will give instruction that will directly benefit test-taking skills. Vocabulary development will be incorporated by introducing students to new words, building vocabulary skills and writing skills. This course may be scheduled due to teacher recommendation and/or academic progress.

**Course: Journalism**  
**Course Number: 0214**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One Semester**  
**Prerequisite:** *None*

Journalism focuses on important skills needed for writing newspapers. Students will learn the history and styles of journalism, methods of design and layout, and will write all types of articles from editorials to feature stories. After students learn the basics of journalism, they will have opportunities to write alongside the Newspaper class to produce articles for the published school newspaper. NCAA approved ½ credit.

**Course: Newspaper**  
**Course Number: 0215**  
**Credit: 1**

**Grade Level: 9, 10, 11, 12**  
**Length: Full year**  
**Prerequisite: None**

Newspaper is a hands-on course in staffing and producing the school newspaper. Students will serve as lead editors, outlining and creating storyboards, deadlines, and production cost and protocol. Emphasis is on directing student staff, being organized, working cooperatively, leading effectively, and meeting deadlines. Students will also work to keep a strong social media presence to mock modern world publications. In the same sense, students will learn to write within online website applications and publish a monthly online newspaper.

**Course: Literacy in Popular Films**  
**Course Number: 0219**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One Semester**  
**Prerequisite: None**

A media class aims to improve literacy in the modern world. Just as novels are taught in English classes, films are taught in media class. Students would learn similar ELA standards (such as plot or character development) through a modern medium of literacy. Due to the compact nature of films, students would be able to analyze and discuss a plethora of stories. Students will also engage in collaboration and creative sessions to create short films of their own beginning with the story writing process and ending with a completed digital story. Students will learn how to compile and edit video footage to create a complete work. With the progression of technology in today's society, this is a very viable career path for students who are given the opportunity to learn how to do it well.

**Course: Speech and Debate**  
**Course Number: 0216**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

You may have heard that “talk is cheap”, but everyday billion dollar deals are sealed, court cases are won, major league players are signed to expensive contracts, wars are ended, and friendships are healed all because of effective speaking. In this class students will learn how to speak with confidence and find their own voices! They will learn to prepare and deliver speeches that make people want to listen, and learn how to engage in meaningful debate. Students will master these skills by learning the fundamentals of public speaking by giving speeches that inform, demonstrate, and persuade. They will also learn how to debate both individually and collaboratively. If you would like to learn to think quickly on your feet, command people's attention when you talk, and make a difference with your voice, then this class is for you! NCAA approved ½ credit.

**Course: Integrated English**  
**Course Number: 0225**  
**Credit: ½**

**Grade Level: 11**  
**Length: One Semester**  
**Prerequisite: English 10**

Integrated English is designed for students that have struggled with certain reading and/or writing skills and are in need of strengthening these skills. Students will review state standards in English Language Arts where they will focus on mastering skills in areas of writing informational and argumentative essays and reading informational and literary texts. This course is recommended for students who need to improve their previous End-of-Course test score in English Language Arts.

**Course: Young Adult Literature**  
**Course Number: 0221**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One Semester**  
**Prerequisite: None**

This course offers an opportunity to explore Young Adult Literature and to apply the basic principles of literary analysis with an emphasis on theme, symbolism, and connections to teen life. Students will be required to read a variety of novels throughout the course including mysteries/thrillers, contemporary novels, science fiction/dystopian, and realistic fiction. Class activities will include Socratic seminars, group discussions, writing, and projects. The semester will conclude with an independent reading project which will enable students to choose a novel of interest from a list of award winning novels.

**Course: Horror Fiction**  
**Course Number: 0223**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One Semester**  
**Prerequisite: None**

Students will read classic, modern, and contemporary short stories and novels, with an emphasis on the historical development of the genre. Attention will be given to supernatural, psychological, and allegorical themes and tropes in such fiction, as well as relevant social and historical background information. The course will center on written horror fiction, with occasional reference to horror in films and other media. Be prepared to be scared when you take this class!

**Course: Sports Journalism and Literature**  
**Course Number: 0227**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One Semester**  
**Prerequisite: None**

Sports Journalism and Literature will consist of an examination of the connection between sports and society from several perspectives through interaction with literature presented by authors from various genres. Readings in the course are selected to be high-interest and thought provoking, covering modern fiction, non fiction, biographies, and commentaries. This course is also focused on enhancing reporting, interviewing, and information gathering skills as they specifically relate to the modern sports landscape. Through the use of sports literature and other media forms, the primary objective is to develop a greater sensitivity to the world of sports and understand the relationship of sports and society.

# HEALTH AND PHYSICAL EDUCATION

Course	Prerequisite	Credit	Grade Level
Health	n	½	9, 10
PE	n	¼	9, 10
Advanced P.E.	y	¼	11, 12
Intro to Sports Officiating	y	½	11, 12
Strength/Conditioning	y	¼	11, 12

*\*Health and Physical Education are required credits for graduation. Students must take one physical education class in their 9th grade year and one physical education class in their 10th grade year.*

The Health Education and Physical Education program is designed to present students with learning experiences directed toward the development of favorable knowledge, attitudes, practices and activities. The courses are proposed to meet the needs and interests of students at the appropriate growth, development, and maturity levels during school years and to maintain health and fitness throughout adulthood.

## Course Descriptions

**Course: Health**

**Course Number: 0300**

**Credit: ½**

**Grade Level: 9, 10**

**Length: One semester**

**Prerequisite: None**

The Health program is a semester course designed to enhance the awareness and knowledge of healthy lifestyle choices. Students will develop skills needed in confronting difficult situations, understand health prevention and promotion techniques that will establish a solid personal health education, and become health literate in making positive and healthy choices.

**Course: PE**

**Course Number: 0301**

**Credit: ¼**

**Grade Level: 9, 10**

**Length: One semester**

**Prerequisite: None**

This course should be used to meet the physical education course requirements for graduation. The activities for this course will take place in the field house gym. This course will include several units. Badminton, Pickleball, Basketball, Volleyball, are some of the activities that will be offered. Other sports and additional units could be incorporated as needed. Students will develop the necessary skills needed to become physically literate.

**Course: Advanced P.E.**  
**Course Number: 0302**  
**Credit: ¼**

**Grade Level: 11, 12**  
**Length: One semester**  
**Prerequisite:** *Students must successfully complete two semesters of Physical Education*

This course provides a foundation to practice and participate in fitness activities. Students will be exposed to various activities providing necessary components for leading to a healthy and active lifestyle. Instruction and assessment of fitness based activities appropriate for lifelong health and fitness will be provided. The course will include activities such as Team Handball, Ultimate Frisbee, Volleyball, and many more! Students will be expected to dress out daily and participate fully.

**Course: Intro To Sports Officiating**  
**Course Number: 0305**  
**Credit: ½**

**Grade Level: 11, 12**  
**Length: One Semester**  
**Prerequisite:** *½ credit PE, ½ credit Health, Teacher Recommendation*

Intro to Sports Officiating is an elective course that allows students the opportunity to gain the skills necessary to become licensed officials for the Ohio High School Athletic Association (OHSAA) in 3 sports. Students will be guided through the RefPrep Online program by an RHS instructor. The online program and resources have been developed by educators and officials using the National Federation of High Schools (NFHS) rules. The RefPreps program has been designed to provide the depth and breadth of content that helps students develop leadership, time management, and conflict resolution skills, and become immediately employable. Students are required to take the licensure exam for 3 sports throughout this course. The fee for the exams will be waived for students.

**Course: Strength/Conditioning**  
**Course Number: 0303**  
**Credit: ¼**

**Grade Level: 11, 12**  
**Length: One semester**  
**Prerequisite:** *Students must successfully complete two semesters of Physical Education*

This course will focus on instruction that develops a working knowledge and application of the basic theories and principles of weight training and physical fitness. The concepts learned will be demonstrated by implementing a personal program through the use of the field house. Students will be expected to dress out daily and participate fully.

# MATH

The Mathematics Department offers a variety of math pathways to meet the needs of students who are preparing for diverse levels of college and career readiness.

Course	Prerequisite	Math Credit	Grade Level
Fundamental Algebra A	n	1	9
Algebra I	n	1	9
Honors Algebra I	n	1	9
Fundamental Algebra B	y	1	10
Geometry	y	1	9, 10, 11
Honors Geometry	y	1	9, 10
Algebra II	y	1	10, 11, 12
Honors Algebra II	y	1	10, 11
Honors Pre-Calculus	y	1	11, 12
Calculus	y	1	12
Financial Algebra	y	1	11, 12

## Electives

## Elective Credit

Intro to Logic	y	½	10, 11, 12
Modeling & Quantitative Reasoning	y	1	10, 11, 12
Trigonometry	y	½	10, 11, 12
Statistics and Probability	y	½	11, 12
Integrated Math	y	½	9, 10, 11
AP Calculus AB	y	1	11, 12

## KSU College Credit Plus at RHS \*

Modeling Algebra	y	1	9, 10, 11, 12
Algebra for Calculus	y	1	9, 10, 11, 12
Trigonometry	y	1	9, 10, 11, 12
Calculus with Precalculus I	y	1	9, 10, 11, 12
Calculus with Precalculus II	y	1	9, 10, 11, 12
Analytic Geometry & Calculus I	y	1	9, 10, 11, 12

\*Student must be enrolled in the Kent State University College Credit Plus program to earn college credit.

## THE FOLLOWING WILL BE ADHERED TO FOR ALL INCOMING FRESHMEN:

- Those students who completed Algebra I at the Middle School level, and received a “C” or “D” will be placed in Algebra I at the high school level.
- Those students that were enrolled in Math 8 should enroll in Algebra I.

# Ravenna High School Math Flowchart

Sample Math Pathways: (Students can and are encouraged to excel to a higher level pathway.)

8th Grade⇒	9th Grade⇒	10th Grade⇒	11th Grade⇒	12th Grade⇒
Honors Algebra 1	Honors Geometry If 8th grade Algebra passed with a B or higher	Honors Algebra II Trigonometry	Honors Pre-Calculus Trigonometry	Calc with PreCalculus 1 & 2 AP Calculus
	Fund. Alg. A	Fund. Alg. B	Geometry	Algebra II
	Algebra I	Geometry/Algebra II	Algebra II/Geometry	Financial Algebra
	Honors Algebra I	Honors Geometry	Honors Algebra II Trigonometry	Honors Pre-Calculus Trigonometry
	<b>Math Electives 9</b> Integrated Math	<b>Math Electives 10</b> Intro to Logic Modeling & Quantitative Reasoning Trigonometry Integrated Math	<b>Math Electives 11</b> Intro to Logic Modeling & Quantitative Reasoning Trigonometry Statistics Integrated Math AP Calculus AB	<b>Math Electives 12</b> Intro to Logic Modeling & Quantitative Reasoning Trigonometry Statistics and Probability AP Calculus AB
<p>Math CCP classes offered <b>AT RHS (based on teacher availability)</b></p> <ul style="list-style-type: none"> <li>• Modeling Algebra-- 1 RHS credit plus 4 KSU credits</li> <li>• Algebra for Calculus-- 1 RHS credit plus 3 KSU credits</li> <li>• Trigonometry-- 1 RHS credit plus 3 KSU credits</li> <li>• Calculus with Precalculus-- 1 RHS credit plus 3 KSU credits</li> <li>• Calculus with Precalculus II-- 1 RHS credit plus 3 KSU credits</li> <li>• Analytic Geometry &amp; Calculus I-- 1 RHS credit plus 5 KSU credits</li> <li>• Students taking the above classes only for RHS credit and are not enrolled in CCP will receive ½ credit.</li> </ul>				

## Course Descriptions

**Course: Fundamental Algebra A**

**Course Number: 0456**

**Credit: 1 math credit**

**Grade Level: 9**

**Length: Full year**

**Prerequisite: None**

This course will cover topics in the first half of the Algebra I Ohio Learning Standards. The pace, however, will be slower than the Algebra I course, as the Algebra I standards will be covered over two years. This course addresses content through concrete models and real-world situations and with less emphasis on symbol-manipulation and formal mathematical structure. This course would require the respective Ohio Algebra I End-of-Course exam after the completion of Fundamental Algebra B the following year. If a student takes Fundamental Algebra A, they must take Fundamental Algebra B the following year to fulfill the requirements of a complete Algebra I course. NCAA approved ½ credit.



**Course: Algebra I**  
**Course Number: 0454**  
**Credit: 1 math credit**

**Grade Level: 9**  
**Length: Full year**  
**Prerequisite: None**

This college and career ready course is designed to meet the common core standards. The ideas developed in this course will be needed for students to continue their work and to be proficient in higher-level mathematics. Students are expected to complete homework daily. A graphing calculator is used. Following this course, students must take Geometry. NCAA approved 1 credit.

**Course: Honors Algebra I**  
**Course Number: 0452**  
**Credit: 1 math credit**

**Grade Level: 9**  
**Length: Full year**  
**Prerequisite: Teacher Recommendation and 80% on placement test**

This college and career ready course is designed to meet the common core standards. The ideas developed in this course will be needed for students to continue their work and to be proficient in higher-level mathematics. Students are expected to complete homework daily. A graphing calculator is used. This Honors course is more rigorous and moves at a faster pace than Algebra I. Concepts in this course will be studied in depth through application and advanced problems. This course will better help to prepare students for ACT, SAT, and College Placement tests. Students enrolled in this course are expected to be highly self-motivated and consistently perform beyond state standards. NCAA approved 1 credit.

**Course: Fundamental Algebra B**  
**Course Number: 0457**  
**Credit: 1 math credit**

**Grade Level: 10**  
**Length: Full year**  
**Prerequisite: Fundamentals Algebra A**

This course is a continuation of Fundamental Algebra A and can only be taken after its successful completion. After successful completion of Fundamental Algebra A and Fundamental Algebra B, students will have covered the Algebra I Ohio Learning Standards. This course addresses content through concrete models and real-world situations and with less emphasis on symbol-manipulation and formal mathematical structure. This course will require the respective Ohio Algebra I End-of-Course exam. NCAA approved  $\frac{1}{2}$  credit.

**Course: Geometry**  
**Course Number: 0460**  
**Credit: 1 math credit**

**Grade Level: 9, 10, 11**  
**Length: Full year**  
**Prerequisite: Algebra I**

This college and career ready course utilizes reasoning and thinking skills that help in exploring, describing and understanding the mathematical world in which we live. This course extends beyond previous exposure to geometry by exploring the properties of shapes and their transformations using a hands-on approach. Computers may also be used to enhance concepts of this college-level geometry course for the student. Students are expected to complete homework daily. A graphing calculator is used. NCAA approved 1 credit.

**Course: Honors Geometry**

**Course Number: 0459**

**Credit: 1 math credit**

**Grade Level: 9, 10, 11**

**Length: Full year**

**Prerequisite:** *Algebra I or Honors Algebra I, Teacher Recommendation, and 80% on placement test*

This college and career ready course utilizes reasoning and thinking skills that help in exploring, describing and understanding the mathematical world in which we live. This course extends beyond previous exposure to geometry by exploring the properties of shapes and their transformations using a hands-on approach. Computers may also be used to enhance concepts of this college-level geometry course for the student. Students are expected to complete homework daily. A graphing calculator is used. This Honors course is more rigorous and moves at a faster pace than Geometry. Concepts in this course will be studied in depth through application and advanced problems. This course will better help to prepare students for ACT, SAT, and College Placement tests. Students enrolled in this course are expected to be highly self-motivated and consistently perform beyond state standards. NCAA approved 1 credit.

**Course: Algebra II**

**Course Number: 0450**

**Credit: 1 math credit**

**Grade Level: 10, 11, 12**

**Length: Full year**

**Prerequisite:** *Geometry or Honors Geometry*

This college and career ready course includes linear and quadratic equations, inequalities, polynomials, factoring, radicals, complex numbers, coordinate geometry, linear systems, functions, matrices, conic sections, logarithmic and exponential functions, and graphs. Emphasis will be on problem solving. A graphing calculator is used. Students are expected to complete homework daily. NCAA approved 1 credit.

**Course: Honors Algebra II**

**Course Number: 0453**

**Credit: 1 math credit**

**Grade Level: 10, 11**

**Length: Full year**

**Corequisite:** *Trigonometry 2nd semester*

**Prerequisite:** *Geometry or Honors Geometry, Teacher Recommendation, and 80% on placement test*

This college and career ready course includes linear and quadratic equations, inequalities, polynomials, factoring, radicals, complex numbers, coordinate geometry, linear systems, functions, matrices, conic sections, logarithmic and exponential functions and graphs. Emphasis will be on problem solving. A graphing calculator will be used. This Honors course is more rigorous and moves at a faster pace than Algebra II. Concepts in this course will be studied in depth through application and advanced problems. This course will better help to prepare students for ACT, SAT, and College Placement tests. Students enrolled in this course are expected to be highly self-motivated and consistently perform beyond state standards. Trigonometry can be taken concurrently during the second semester of Honors Algebra II or either semester of Pre-Calculus. NCAA approved 1 credit.

**Course: Honors Pre-Calculus**  
**Course Number: 0466**  
**Credit: 1 math credit**

**Grade Level: 11, 12**  
**Length: Full year**  
**Corequisite:** *Trigonometry 1st semester*  
**Prerequisite:** *Algebra II or Honors Algebra II*

This course is designed to prepare the students to take a college level calculus course. Students who take this course will cover algebraic, exponential, and logarithmic functions, along with their graphs, as well as series and sequences, analytic geometry and probability theory. Pre-Calculus will also include an introduction to limits. A graphing calculator is used extensively. Students are expected to complete homework daily. Note: Trigonometry must be taken in the second semester of Honors Algebra II or either semester of Honors Pre-Calculus. NCAA approved 1 credit.

**Course: Calculus**  
**Course Number: 0465**  
**Credit: 1 math credit**

**Grade Level: 12**  
**Length: Full year**  
**Prerequisite:** *Pre-calculus, Trigonometry and teacher recommendation*

This course is concerned with developing the student's understanding of the concepts of calculus and providing experience with its methods and applications. This course is presented in unifying themes of derivatives, integrals, limits, approximations, applications and modeling with student results being expressed geometrically, numerically, analytically and verbally. Students are expected to complete homework daily. A graphing calculator is used. NCAA approved 1 credit.

**Course: Financial Algebra**  
**Course Number: 0455**  
**Credit: 1 math credit**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite:** *Algebra II/Honors Algebra II*

Financial Algebra is an algebra-based and technology-oriented course covering six financial umbrellas: Investing, Banking, Credit, Income Taxes, Insurance, and Household Budgeting. It reviews and strengthens Algebra mechanics and problem solving skills, while at the same time teaches selected advanced mathematical topics, such as piecewise functions, regression, limits, exponential functions, linear/quadratic systems and more. Students are expected to complete homework daily. A graphing calculator is used. This course can be used as a fourth credit in math or an elective credit. NCAA approved 1 credit.

## **Math Electives:**

**Course: Intro to Logic**  
**Course Number: 0467**  
**Credit: ½ elective credit**

**Grade Level: 10, 11, 12**  
**Length: One semester**  
**Prerequisite:** *Algebra I and Geometry*

This course will allow students to enhance their use of all the Mathematical Practices that are part of the Common Core. An underlying theme of the Math Common Core Standards is to develop students' deductive, inductive, and critical thinking skills. This Logic course's sole purpose is to develop critical thought. Topics in this course include: Truth Tables, Syllogisms and Venn Diagrams, which are learning targets in the Geometry Congruence Standards for the Common Core. This course will help students increase their critical thinking skills. Critical thinking skills are essential for students to increase their ACT scores along with scores on the new generation of testing. Several topics in this course are covered in other courses in college. Examples of these courses are: Discrete Mathematics, Computer Programming, and other courses in Philosophy. Logic, for the most part, is a math class without numbers. The result will be students improving their thinking skills. Students are expected to complete homework daily. *This course does not count towards the fourth math credit for graduation.*

**Course: Modeling & Quantitative Reasoning**

**Course Number: 0072**

**Credit: 1 elective credit**

**Grade Level: 10, 11, 12**

**Length: Full Year**

**Prerequisite: Algebra I and Geometry**

Critical thinking and reasoning are the primary objectives and outcomes of this advanced quantitative reasoning course. It includes the application of mathematical skills including algebraic methods to the analysis and interpretation of quantitative information (numbers in context) in real-world situations to make decisions that are relevant to daily life. Additionally, the course emphasizes interpretation, precision, representation, calculation, analysis/synthesis, use of assumptions and communication through student presentations and writing. Students combine problem solving with modeling to analyze real-life situations and devise solution strategies. These habits and skills cut across disciplines, promote perseverance, and provide a gateway into successful postsecondary education and a variety of careers. NCAA approved 1 credit.

**Course: Trigonometry**

**Course Number: 0463**

**Credit: ½ elective credit**

(\*May be used as ½ math credit  
with administrator approval)

**Grade Level: 10, 11, 12**

**Length: One semester**

**Co-requisite:** *Must be taken concurrently  
with Pre-Calculus (1st semester) or Honors  
Algebra II (2nd semester).*

**Prerequisite:** *Algebra II or first semester Honors  
Algebra II*

Literally the “study of the measurement of triangles”, this course further explores the trigonometric ratios introduced in Geometry and Algebra II. Topics include trigonometric functions, graphs, formulas, polar coordinate vectors, and trigonometric applications. A graphing calculator will be used daily and computer programs will be used periodically. This course is highly recommended for students planning to attend a four-year college or university. This course will help prepare students for ACT, SAT and College Placement tests. Students are expected to complete homework daily. NCAA approved ½ credit.

**Course: Statistics and Probability**

**Course Number: 0468**

**Credit: ½ elective credit**

(\*May be used as ½ math credit  
with administrator approval)

**Grade Level: 11, 12**

**Length: One semester**

**Prerequisite:** *Algebra II or Honors Algebra II*

This course is designed to cover a semester of statistics and probability for college bound students. Many areas which a student may study in college require one or two courses in statistics and probability. If you plan on going to college, this course is a must. Computers, calculators, (scientific/graphic) and commercial software will be used to supplement the course. Topics covered will include collection and analysis of data (mean, median, mode, variance, average deviation, and standard deviation), graphs, random variable functions, sampling, rules of probability, binomial distribution, norm distribution, estimation, and hypothesis. NCAA approved ½ credit.

**Course: Integrated Math**  
**Course Number: 0451**  
**Credit: ½ elective credit**

**Grade Level: 9, 10, 11**  
**Length: One Semester**  
**Prerequisite: Algebra I, Geometry**

Integrated Math Concepts is designed for students that have not passed the Algebra 1 End of Course test through the state of Ohio and are in need of strengthening their algebraic skills. Students will master topics including solving equations, graphing functions, factoring polynomials, and modeling functions. Students will use these mastered concepts and apply them to solve real world problems. This course is recommended for students who need to improve their previous End of Course test scores. *This course does not count toward the fourth math credit for graduation.*

**Course: AP Calculus AB**  
**Course Number: 0469**  
**Credit: 1 elective credit**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite: Algebra I & II, Geometry, Trigonometry, Pre-Calculus**

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. The corresponding AP Calculus AB Exam will be administered according to the date established by the College Board.

### **College Credit Plus at RHS**

**Course: Modeling Algebra**  
**Course Number - CCP: 4133**  
**Course Number - RHS: 0651**  
**CCP Credit: 1-RHS & 4 Credit hours - KSU**  
**RHS Only Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Available: First semester only**  
**Prerequisite: Algebra II. To receive CCP credit - must be enrolled in KSU College Credit Plus**

Study of Algebra arising in the context of real-world applications, including linear, polynomial, exponential and logarithmic models. NCAA approved ½ credit.

**Course: Algebra for Calculus**  
**Course Number - CCP: 4132**  
**Course Number - RHS: 0653**  
**CCP Credit: 1-RHS & 3 Credit hours - KSU**  
**RHS Only Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Available: Second semester only**  
**Prerequisite: Modeling Algebra and/or Algebra II. To receive CCP credit - must be enrolled in KSU College Credit Plus**

Study of elementary functions and graphs, including polynomial, exponential and logarithmic functions; complex numbers; conic sections; arithmetic and geometric sequences. NCAA approved ½ credit.

**Course: Trigonometry**  
**Course Number - CCP: 4185**  
**Course Number - RHS: 0673**  
**CCP Credit: 1-RHS & 3 Credit hours - KSU**  
**RHS Only Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Available: First semester only**  
**Prerequisite: CCP Algebra for Calculus and/or Algebra II. To receive CCP credit - must be enrolled in KSU College Credit Plus**

This course is the study of the solution of triangles, trigonometric equations and identities. NCAA approved ½ credit.

**Course: Calculus with Precalculus I**  
**Course Number - CCP: 4189**  
**Course Number - RHS: 0674**  
**CCP Credit: 1-RHS & 3 Credit hours - KSU**  
**RHS Only Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Available: First semester only**  
**Prerequisite: To receive CCP credit - must be enrolled in KSU College Credit Plus**

Introduction to differential calculus with a review of algebra and trigonometry. Includes exponents, factoring, functions, graphs, tangent lines, limits, continuity, derivatives and related rates. 12011 followed by 12012 are equivalent to 12002.

**Course: Calculus with Precalculus II**  
**Course Number - CCP: 4190**  
**Course Number - RHS: 0675**  
**CCP Credit: 1-RHS & 3 Credit hours - KSU**  
**RHS Only Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Available: Second semester only**  
**Prerequisite: Minimum C in 12011. To receive CCP credit - must be enrolled in KSU College Credit Plus**

Development of integral calculus and continued study of differential calculus. Includes curve sketching optimization fundamental theorem of calculus, areas between curves, exponential and logarithmic functions. 12011 followed by 12012 are equivalent to 12002.

**Course: Analytic Geometry & Calculus I**  
**Course Number - CCP: 4015**  
**Course Number - RHS: 0652**  
**CCP Credit: 1-RHS & 5 Credit hours - KSU**  
**RHS Only Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Available: Second semester only**  
**Prerequisite: CCP Trigonometry and/or Trigonometry and PreCalc. To receive CCP credit - must be enrolled in KSU College Credit Plus**

This course is the study of concepts of limit, continuity and derivative, and the indefinite and definite integral for functions of one real variable. Also: maximization, related rates, and fundamental theorem of calculus. NCAA approved ½ credit.

# SCIENCE

Course	Prerequisite	Credit	Grade Level
Physical Science	n	1	9
Honors Physical Science	y	1	9
Biology	y	1	10
Honors Biology	y	1	10
Environmental Science	y	1	11, 12
Honors Chemistry	y	1	11, 12
Chemistry	y	1	11, 12
Chemistry in the Community	y	1	11, 12
Physics	y	1	11, 12
Human Anatomy	y	1	11, 12
AP Biology	y	1	11, 12
<b>KSU College Credit Plus at RHS*</b>			
Frontiers In Astronomy	y	1	9, 10, 11, 12
Seven Ideas That Shook the Universe	y	1	9, 10, 11, 12

\*Student must be enrolled in the Kent State University College Credit Plus program to earn college credit.

## Ravenna High School Science Flowchart

### Pathway examples

9th grade⇒	10th grade⇒	11th grade (Choose 1)⇒	12th grade (Choose 1)⇒
Physical Science	Biology	Environmental Science Human Anatomy Chemistry in the Community	Environmental Science Human Anatomy Chemistry in the Community
Honors Physical Science	Honors Biology	Human Anatomy Honors Physics Honors Chemistry Chem. in the Community 7 Ideas That Shook the Universe Frontiers in Astronomy and Lab AP Biology	Human Anatomy Honors Physics Honors Chemistry Chem. in the Community 7 Ideas That Shook the Universe Frontiers in Astronomy and Lab AP Biology

## Course Descriptions

**Course: Physical Science**  
**Course Number: 0521**  
**Credit: 1**

**Grade Level: 9**  
**Length: Full year**  
**Prerequisite: None**

This college and career ready course is designed as an introduction to all high school science and to meet the Science Standards for the State of Ohio and support the Common Core Standards. Students will study selected topics in Space Science, Chemistry, and Physics. Students will spend time learning how to use scientific equipment and how to conduct, gather and analyze data from experiments in a high school science lab. Laboratory activities, demonstrations, and lecture/discussion will be used to guide students in their scientific explorations. Students should be taking or have taken Algebra and have a personal calculator to use. Students are expected to complete daily homework assignments. NCAA approved 1 credit.

**Course: Honors Physical Science**  
**Course Number: 0520**  
**Credit: 1**

**Grade Level: 9**  
**Length: Full year**  
**Prerequisite: *Teacher recommendation and a minimum adequate score on the placement exam***

Honors Physical Science is designed for the highly motivated student with a strong interest in the field of science. The course content will be similar to Physical Science, but will emphasize higher order thinking skills using online activities, laboratory investigations, independent research, collaborative learning projects, problem solving activities, and ethical discussions. Students will study selected topics in Space Science, Chemistry, and Physics in greater depth and at a more rapid pace compared to the Physical Science students. Students will spend time learning how to use scientific equipment and how to conduct scientific experiments, and gather and analyze data in a science lab. Laboratory activities, demonstrations, and lecture/discussion will be used to guide students in their scientific explorations. Students should be taking or have taken Algebra. Students are expected to complete daily homework assignments. NCAA approved 1 credit.

**Course: Biology**  
**Course Number: 0531**  
**Credit: 1**

**Grade Level: 10**  
**Length: Full year**  
**Prerequisite: *Successful completion of Physical Science***

Biology is required for all high school students to meet the Science Standards for the State of Ohio and support the Common Core Standards.. Basic concepts and principles of biology are investigated with emphasis on cells, energy flow within cells and organisms, genetics, DNA, evolution, ecology and germ theory. Numerous laboratory activities will be used to reinforce course content. This course will conclude with a survey of the animal kingdom and human biology will also be investigated as time permits. Reasoning, analyzing, interpreting data and the use of knowledge to make intelligent decisions concerning the natural world are emphasized. NCAA approved 1 credit.



**Course: Honors Biology**  
**Course Number: 0532**  
**Credit: 1**

**Grade level: 10**  
**Length: Full year**  
**Prerequisite: B or higher in Physical Science and teacher recommendation**

Honors Biology is designed for the highly motivated student with a strong interest in the field of science. The course content will be similar to the College Preparatory Biology course, but will emphasize higher order thinking skills using online activities, laboratory investigations, independent research, collaborative learning projects, problem solving activities, and bioethical discussions. Basic concepts and principles of biology are investigated with emphasis on cells, energy flow within cells and organisms, genetics, DNA, evolution, ecology and germ theory, as well as additional topics of student interest. In comparison to the College Preparatory Biology student, the Honors student will study the principles of biology in more depth and at a more rapid pace allowing time for independent investigations. NCAA approved 1 credit.

**Course: AP Biology**  
**Course Number: 0530**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite: Biology and Chemistry**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. The corresponding AP Biology Exam will be administered according to the date established by the College Board.

**Course: Environmental Science**  
**Course Number: 0533**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite: Physical Science and Biology**

Environmental Science is an interdisciplinary study of our environment, investigating how the natural world works and how things are interconnected. Based on an understanding of ecological concepts and principles, students examine lifestyle issues and critically analyze the relationship among population, natural resources, land use, agriculture, biodiversity, industrialization, and pollution. Environmental problems are examined from scientific, ethical, economic, and sociological perspectives, to enable students to understand the relevance of science to contemporary issues. Successful completion of two years of science is strongly recommended, as the biological and physical science knowledge, scientific interpretation, and analytical skills learned in previous courses will be applied. NCAA approved 1 credit.

**Course: Chemistry**  
**Course Number: 0643**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite: "C" in Algebra I and Biology**

This challenging course requires a working understanding of algebraic concepts and formulas and is designed for students who plan to enter college in a science or science-related field. Chemistry seeks to explain how and why matter and energy change form. Chemistry is a powerful tool for understanding "cause-and-effect" relationships. Students in this course will develop an increased ability to solve both conceptual and mathematical problems. An increased knowledge of the physical world and an appreciation of how chemistry has helped man to adapt to a hostile environment will be developed. Because chemistry is a fundamental science, students who enroll in this class can expect to build a strong foundation, which will enable them to pursue a career in a wide variety of science and science-related fields. This course is mathematical in nature and students are expected to complete homework daily. NCAA approved 1 credit.

**Course: Honors Chemistry**  
**Course Number: 0554**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full Year**  
**Prerequisite: B in Biology and in Algebra and teacher recommendation**

Honors Chemistry is designed for students who have shown a proficiency in studying science and who have exhibited interest in and enthusiasm for a scientific discipline. This course is intended to help students realize the important role that chemistry will play in their personal and professional lives. The course covers CP Chemistry topics and examines each topic in depth. Due to the heavy math component of this course, students are expected to excel in algebra and mathematical problem solving. The course will help students to use principles of chemistry to think more intelligently about current issues they will encounter involving science and technology. Topics to be studied include chemistry laboratory skills, the classification and structure of matter, quantum mechanics, ratios and proportions of chemical reactions, physical chemistry, acid-base chemistry, kinetics, thermodynamics, electrochemistry, and organic chemistry. Additionally, critical thinking (the ability to carry out systematic thought processes in making decisions and solving problems), inquiry (solving problems through scientific investigation) and science ethics are stressed in this class. NCAA approved 1 credit.

**Course: Chemistry in the Community**  
**Course Number: 0649**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite: Successful completion of a 9<sup>th</sup> & 10<sup>th</sup> grade science**

Chemistry in the Community is a chemistry course emphasizing chemical topics with appropriate labs. The first semester utilizes a water and materials unit to introduce fundamental chemical concepts. The water unit introduces water properties and solution chemistry. The labs involve water purification and analysis. The materials unit introduces chemical nomenclature, the periodic table, reactions, and mole problems. This unit uses environmental issues like water quality and product design to augment the chemical topics. The second semester of community chemistry uses a petroleum and atmosphere unit to continue the instruction of chemical topics. The petroleum unit emphasizes carbon properties, organic synthesis, and combustion reactions. The atmosphere unit deals with gas properties, gas laws, moles, and acids and bases. This semester utilizes environmental issues like global warming and acid rain to make chemistry relevant. The prerequisite for this class is the successful completion of Science 9, Biology and Algebra I. NCAA approved.

**Course: Physics**  
**Course Number: 0644**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite: "C" in Biology and  
Geometry and teacher recommendation**

The aim of Physics is to increase the student's knowledge and understanding of the physical world. This course is designed for the mature science/math student who has successfully completed Chemistry and Algebra II/Trigonometry, or is taking these courses concurrently. Laboratory activities and Algebraic word problems are used throughout the course to explain the relationship between matter and energy. Physical Science topics introduced in the 9<sup>th</sup> grade course will be expanded to cover the concepts of motion, and energy in more mathematical and conceptual depth, while electricity and magnetism will be introduced. Students are expected to complete homework several times a week and be able to use a scientific calculator. NCAA approved 1 credit.

**Course: Human Anatomy**  
**Course Number: 0536**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite: Successful completion of  
Science 9 and Biology**

Human anatomy is a course designed to meet the third science requirement. The systems of the human body will be surveyed with an emphasis on the structure and function of the organs. Participation in this course will prepare non-science majors and allied-health profession students to take advanced anatomy and physiology courses. In addition, students will become educated in wellness and self-management for healthy lifestyles and evaluate the applications and career implications of physiology and anatomy principles. NCAA approved 1 credit.

### **College Credit Plus at RHS**

**Course: Frontiers in Astronomy & Lab**  
**Course Number - CCP : 4020**  
**Course Number - CCP: 4027 Lab**  
**Course Number - RHS: 0655**  
**Course Number - RHS: 0656 Lab**  
**CCP Credit: 1 – RHS & 4 hours – KSU**  
**High School Only Credit - ½**

**Grade Level: 9, 10, 11, 12**  
**Available: First semester only**  
**Prerequisite: To receive CCP credit - must be  
enrolled in KSU College Credit Plus**  
*\*lab must be taken in conjunction with class*

This course is the modern description of astrophysical observations, the results of these observations, and the physical principles based on them. This class also includes a required lab equaling one credit.

**Course: Seven Ideas That Shook the Universe**

**Course Number - CCP: 4006**

**Course Number - RHS:0657**

**CCP Credit: 1 – RHS & 3 hours - KSU**

**High School Only Credit - ½**

**Grade Level: 9, 10, 11, 12**

**Available: Second semester only**

**Prerequisite:** *To receive CCP credit - must be enrolled in KSU College Credit Plus*

This course explores the history of seven important themes in physics: Copernican astronomy, Newtonian mechanics, energy and entropy, relativity, quantum theory, and conservation principles and symmetries. Together these discoveries form the foundation of our understanding of the physical world.

## SOCIAL STUDIES

Course	Prerequisite	Credit	Grade Level
World History	n	1	9
Honors World History	n	1	9
American History	n	1	10
Honors American History	n	1	10
Government and Economics	n	1	11
Honors Government & Economics	n	1	11

### Electives:

American Civil War	n	½	11, 12
Great War & World War II	n	½	11, 12
Middle Ages	n	½	11, 12
Psychology	n	½	11, 12
Sociology	n	½	11, 12
Integrated Social Studies	y	½	11, 12
Honors Ravenna Civics	y	2	12
AP Psychology	y	1	11, 12
AP U.S. History	y	1	12

### KSU College Credit Plus at RHS\*

Early America	y	1	9, 10, 11, 12
Modern America	y	1	9, 10, 11, 12

\*Student must be enrolled in the Kent State University College Credit Plus program to earn college credit.

## Ravenna High School Social Studies Flowchart

9th Grade⇒	10th Grade⇒	11th Grade⇒	12th Grade
World History	American History	Government & Economics	
Honors World History	Honors American History	Honors Government & Economics	
<b>Electives:</b>		American Civil War Great War & WWII Middle Ages Psychology Sociology Integrated Social Studies AP Psychology	Honors Ravenna Civics AP Psychology AP U.S. History

### Social Studies CCP classes offered AT RHS

- Modern America -- 1 RHS credit and 3 KSU credits
- Early America – 1 RHS credit and 3 KSU credits

## Course Descriptions

### WORLD HISTORY

**Course: World History**  
**Course Number: 0600**  
**Credit: 1**

**Grade Level: 9**  
**Length: Full year**  
**Prerequisite: None**

The World History class will survey the historical period spanning from the Age of Enlightenment to the present day. The course is completed in two sections. First semester will cover the Enlightenment, Industrial Revolution, World Imperialism, and Nationalism. Second semester will encompass World War I, The Russian Revolution, World War II, The Cold War, and America in the modern world. NCAA approved 1 credit.

**Course: Honors World History**  
**Course Number: 0601**  
**Credit: 1**

**Grade Level: 9**  
**Length: Full year**  
**Prerequisite: None**

This challenging course is designed for highly motivated students who are interested in history. The course addresses the state mandated standards and will emphasize inquiry based learning and the analysis of cause/effect relationships of historical events. Students will be expected to complete daily homework assignments as well as participate in the Model United Nations Program. Model UN is an educational simulation in which students can learn about diplomacy, international relations, and the United Nations. It is meant to engage students and allow them to develop deeper understanding into current world issues. Community service, participation in a debate and active community partnerships will also be required of the class as part of the William R. Day Civics Institute requirements. Students will participate in summer reading. Teacher recommendation required. NCAA approved 1 credit.

### AMERICAN HISTORY

**Course: American History**  
**Course Number: 0603**  
**Credit: 1**

**Grade Level: 10**  
**Length: Full year**  
**Prerequisite: None**

This college and career ready course is designed to meet the common core standards and traces the historical process through the study of economics, social issues, politics, and foreign relations in chronological sequence. Following a brief study of the American experience at the turn of the 20<sup>th</sup> century and World War I, the primary emphasis of the course is placed on the time period from the end of World War I to the present. Students will learn how events and ideas from American history are influencing their lives today. Students will study and research the ideas and events of the general class with an emphasis on outside literature and writing. The course will give the student an opportunity to prepare for a further study of history. Students will be required to complete one research paper or special project. Students are expected to complete homework daily. NCAA approved 1 credit.

**Course: Honors American History**

**Course Number: 0604**

**Credit: 1**

**Grade Level: 10**

**Length: Full year**

**Prerequisite: None**

This challenging course is designed for highly motivated students who are interested in history. The course addresses the state mandated standards and will emphasize inquiry based learning and the analysis of cause/effect relationships of historical events. Students will be expected to complete daily homework assignments as well as an Ohio History Day project. Ohio History Day is the culmination of a year's worth of research and work. Much of the work will be done independently on top of completing the state-mandated curriculum. Community service, participation in a civics project, and active community partnerships will also be required of the class as part of the William R. Day Civics Institute requirements. Students will participate in summer reading. Teacher recommendation required. NCAA approved 1 credit.

## **AMERICAN GOVERNMENT AND ECONOMICS**

**Course: American Government & Economics**

**Course Number: 0605**

**Credit: 1**

**Grade Level: 11**

**Length: Full year**

**Prerequisite: None**

American Government and Economics is the study of the organization, operation, and function of the institutions of government in the United States, at all levels (national, state, and local). Emphasis is placed on the study of the United States Constitution, the organization and structure of the three branches of the federal government, the function of state government and the role of the local government in the daily life of a U.S. citizen. A study and review of the relationship between the political and economic systems, and their effect on public policy and decision-making is also presented. NCAA approved 1 credit.

**Course: Honors American Government & Economics**

**Course Number: 0639**

**Credit: 1**

**Grade Level: 11**

**Length: Full year**

**Prerequisite: None**

This challenging course is designed for those college-bound students who love to read, write, and analyze Government. The course addresses the state mandated standards. Students will be expected to complete daily homework assignments. Students will complete the We the People curriculum and participate in the We the People state competition. We the People curriculum has a special focus on understanding historic Supreme Court cases and the impact of those cases on America's system of government. There is also a strong focus on requiring students to extend their thinking by applying Constitutional principles to interpret present day events. Community service, participation in a debate and active community partnerships will also be required of the class as part of the William R. Day Civics Institute requirements. Students will participate in summer reading. Teacher recommendation required. NCAA approved 1 credit.

**Course: Integrated Social Studies**

**Course Number: 0609**

**Credit: 1**

**Grade Level: 11, 12**

**Length: Full year**

**Prerequisite:** *To be determined by End-of-Course test scores*

The students will review information for the state standards of history, people in societies, geography, economics, government, citizenship rights and responsibilities, and social studies skills and methods. Particular attention will be paid to writing short answers and extended responses. This course is designed to assist students who need to improve their previous End-of-Course score in American History and Government.

## **SOCIAL STUDY ELECTIVES:**

**Course: American Civil War 1861-1865**

**Course Number: 0610**

**Credit: ½**

**Grade Level: 11, 12**

**Length: One semester**

**Prerequisite:** *None*

Any understanding of this nation must be based on an understanding of the Civil War. The Civil War defined what we are, and it opened up to what we have become. If one is to understand the American character in the 20th and 21st centuries, then one needs to learn about this attempt at national suicide. This class will be examining the vastly interesting events and people of this uniquely American incident. NCAA approved ½ credit.

**Course: The Great War and World War II**

**Course Number: 0611**

**Credit: ½**

**Grade Level: 11, 12**

**Length: One semester**

**Prerequisite:** *None*

This elective course will examine the causes and courses of both The Great War and World War II. These two wars shaped the 20th century and have a profound influence on world affairs into the present day. This class will offer an in-depth look at wars as well as the events and the personalities that influenced them. NCAA approved ½ credit.

**Course: Middle Ages**

**Course Number: 0612**

**Credit: ½**

**Grade Level: 11, 12**

**Length: One semester**

**Prerequisite:** *None*

This class will take an in-depth look at the Middle Ages by individually studying each century of the Middle Age time period starting with the fall of Rome in the 5th century and continuing through the 15th century with the fall of Constantinople and Columbus' expedition to the Americas. Each student will pick a personal area of focus to guide their study of the Middle Ages: War, Religion and the Arts. A study of the Middle Ages will not only provide students insight to the world around them but will also provide hints of the shape of the world over the next century. NCAA approved ½ credit.



**Course: AP U.S History**  
**Course Number: 0607**  
**Credit: 1**

**Grade Level: 12**  
**Length: Full Year**  
**Prerequisite:** *Students should be able to read a college-level textbook and write grammatically correct, complete sentences.*

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like 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. The corresponding AP U.S. History Exam will be administered according to the date established by the College Board.

**Course: Psychology**  
**Course Number: 0634**  
**Credit: ½**

**Grade Level: 11, 12**  
**Length: One semester**  
**Prerequisite:** *None*

Psychology is the social science that examines the thinking and behavior of the individual. Major questions addressed throughout the course are: why do people think and act the way they do and what causes people to think and act the way they do. Major themes covered throughout the course include: history of psychology, sensation and perception, dreams and consciousness, and learning and intelligence. This course is designed for college bound students. Participation in class discussions and debates is required. NCAA approved ½ credit.

**Course: AP Psychology**  
**Course Number: 0608**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full Year**  
**Prerequisite:** *Students should be able to read a college-level textbook and write grammatically correct, complete sentences.*

AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. The corresponding AP Psychology Exam will be administered according to the date established by the College Board.

**Course: Sociology**  
**Course Number: 0635**  
**Credit: ½**

**Grade Level: 11, 12**  
**Length: One semester**  
**Prerequisite:** *None*

Sociology is the social science that examines the interaction and relationships between people that form society and hold it together as a group. Major questions addressed throughout the course are: why is society the way it is, what should society be like, and how has society changed over the years. Major themes covered throughout the course include: culture and values, crime and violence, and the relationship between the principles of liberty, equality and security. This course is designed for college bound students. Participation in class discussions and debates is required. NCAA approved ½ credit

**Course: Honors Ravenna Civics**

**Course Number: 0606**

**Credit: 1**

**Grade Level: 12**

**Length: Full year**

**Prerequisite:** *Teacher recommendation*

The 12th grade civics internship will be a full year class for seniors in the William R Day Civics Institute. The first semester will focus specifically on Ravenna History. Through primary sources and historical architecture we will investigate what makes Ravenna unique and improve your understanding of our community. The second semester is a local internship. This class will provide hands-on learning and foster a deeper understanding of civic life through internships with civic and community partners. This course will also serve as a capstone for the William R Day Civics Institute. NCAA approved 1 credit

### **KSU College Credit Plus at RHS**

**Course: Modern America**

**Course Number - CCP: 4156**

**Course Number - RHS: 0654**

**CCP Credit: 1-RHS & 3 Hours - KSU**

**RHS Credit Only: ½**

**Grade Level: 9, 10, 11, 12**

**Available: One semester**

**Prerequisite:** *To receive CCP credit - must be enrolled in KSU College Credit Plus*

An in depth study of American History from Reconstruction to the present from the college level. This base class is required at all Universities regardless of the major.

**Course: Early America**

**Course Number - CCP: 4157**

**Course Number - RHS: 0613**

**CCP Credit: 1-RHS & 3 Hours - KSU**

**RHS Credit Only: ½**

**Grade Level: 9, 10, 11, 12**

**Available: One semester**

**Prerequisite:** *To receive CCP credit - must be enrolled in KSU College Credit Plus*

A survey of United States history from the Founding Period through 1877.

# Elective Course Selections

# ART

Course	Prerequisite	Credit	Grade Level
Mixed Media	n	½	9, 10, 11, 12
Sculpture	n	½	10, 11, 12
Digital Media I	n	½	9, 10, 11, 12
Digital Media II	y	½	9, 10, 11, 12
Yearbook	y	1	10, 11, 12
Drawing and Painting I	n	½	9, 10, 11, 12
Drawing and Painting II	y	½	9, 10, 11, 12
Drawing and Painting III	y	½	10, 11, 12
Ceramics I	n	½	9, 10, 11, 12
Ceramics II	y	½	9, 10, 11, 12
Advanced Ceramics	y	½	11, 12
Scenic Arts	n	½	9, 10, 11, 12
AP 2-D Art and Design	y	1	11, 12

## Course Descriptions

**Course: Mixed Media**  
**Course Number: 0010**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

This introductory art course allows students to experience a diverse grouping of mediums which can include printmaking, sculpture, ceramics, drawing, painting, and collage. This course gives students an opportunity to try many different aspects of art, and will allow students to better identify their strengths and interests within the art field.

**Course: Sculpture**  
**Course Number: 0006**  
**Credit: ½**

**Grade Level: 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

This course deals with the concepts, fundamentals, and technical procedures related to sculpture, assemblage, construction, and installation of visual art in a three-dimensional form. Students taking this course should have a strong interest in art and hand building. Students will be expected to use three-dimensional techniques in conjunction with creative problem solving. A limited use of hand tools is expected.

**Course: Digital Media I**  
**Course Number: 0662**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

Learn the basics of photography and photoshop. Students will be utilizing and manipulating their own digital photos taken from multiple sources. The varied uses of digital art and art aesthetics are covered.

**Course: Digital Media II**

**Course Number: 0663**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *Digital Media I***

This course is an extension of Digital Media I and is intended to further develop an understanding of the technical and aesthetic foundations in photography through the latest digital technology. Students will take their own traditional or digital photographs and then utilize various digital photographic techniques and Adobe Photoshop. Creative, fine art assignment solutions will be the emphasis. This course requires photos to be taken outside of the regular school day.

**Course: Yearbook**

**Course Number: 0220**

**Credit: 1**

**Grade Level: 10, 11, 12**

**Length: Full year**

**Prerequisite: *2.0 G.P.A. and successful completion of Digital Media I through an application process***

This class publishes the school yearbook. Students will be assigned to write articles, create layouts, and take photographs both in and outside of the normal school day. Instruction in the more technical areas of layout design, journalistic writing, and the basics of photography and computer literacy are an integral part of this course. Emphasis is on being organized and working cooperatively. There is an expectation of extracurricular participation in this class. Cameras are provided.

**Course: Drawing and Painting I**

**Course Number: 0658**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *None***

Various media are used to explore design elements and self-expression through drawing and painting. Creative experimentation is encouraged. No previous art experience is required. This prerequisite course is designed to familiarize students with basic concepts, processes, and practices fundamental to visual arts. Daily homework of sketch drawings is required. Materials used will include but are not limited to acrylic, watercolor, graphite, colored pencil and charcoal.

**Course: Drawing and Painting II**

**Course Number: 0659**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *Drawing and Painting I***

Students will continue developing skills in drawing and painting in a more advanced, and independent class. Projects are more theme-based and more focus is put on student development of ideas. You will be required to have a personal sketchbook that you use throughout the semester.

**Course: Drawing and Painting III**

**Course Number: 0660**

**Credit: ½**

**Grade Level: 10, 11, 12**

**Length: One semester**

**Prerequisite: *Drawing and Painting II, or Teacher Recommendation***

This course is for dedicated, advanced students that wish to potentially pursue the arts after high school. Students will create and compile their art portfolio as the semester progresses, preparing them for potential entry to art school. This course uses multiple materials and may focus on a wide range of skills to hone strengths and improve in weaker areas of artmaking on a student by student basis. There will be a writing component to this course.

**Course: Ceramics I**  
**Course Number: 0004**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

This class is an introduction to working with clay. You will learn how to create three dimensional clay sculptures using different handbuilding techniques. You will also utilize glazes and other materials to give your artwork color and decoration. This is a project based course that relies heavily on dimensional materials.

**Course: Ceramics II**  
**Course Number: 0005**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: Ceramics I**

This course is a continuation of Ceramics I and emphasizes three-dimensional media with particular focus on throwing and hand construction techniques. Design, aesthetics and the creative development of clay objects examining cultural, historical and personal modes of expression will be explored.

**Course: Advanced Ceramics**  
**Course Number: 0008**  
**Credit: ½**

**Grade Level: 11, 12**  
**Length: One semester**  
**Prerequisite: Ceramics I & Ceramics II**

Advanced Ceramics is a student driven course that allows for a more in-depth exploration of the clay medium. Students gain experience on the pottery wheel, experiment with different types of clay, and gain a greater understanding of the role of ceramics in our everyday lives, and the world at large.

**Course: Scenic Arts**  
**Course Number: 0015**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

Students will design and construct theatrical scenery and costumes to enhance the productions by the Ravenna High School drama students. The students will explore theatrical settings and staging of practical and economical design. Documentation of demonstrations, research, and construction experience is expected. No previous art or theater experience required.

**Course: AP 2-D Art and Design**  
**Course Number: 0037**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full Year**  
**Prerequisite: Drawing and Painting 1, Drawing and Painting 2, Drawing and Painting 3 and Teacher Recommendation**

Develop your 2-D skills through materials and processes such as graphic design, photography, collage, printmaking, fashion illustration, painting, drawing, and others. You'll create artwork that reflects your own ideas and skills and what you've learned. AP courses require time and dedication in and outside of the classroom. Time management and meeting deadlines are the keys to your success. Your final portfolio will consist of 15 artworks as well as 5 selected artworks, totaling to 20 pieces of art.

# BUSINESS DEPARTMENT

Course	Prerequisite	Credit	Grade Level
Sports and Entertainment Marketing	n	½	9, 10, 11, 12
Business Foundations	n	½	9, 10, 11, 12
Business Management	n	½	9, 10, 11, 12
Entrepreneurship	y	1	10, 11, 12

## COURSE DESCRIPTIONS

**Course: Sports & Entertainment Marketing**

**Course Number: 0646**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: None**

Sports and Entertainment Marketing is a unique and innovative course designed for students with an interest in the sports and entertainment industry. This course stresses the utilization of fundamental marketing concepts and will include topics in sponsorship, pricing, marketing research, endorsements, and promotions will be part of this course. The course will develop critical thinking, decision making and communication skills through real world applications.

**Course: Business Foundations**

**Course Number: 0053**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: None**

Introductory class. This semester course introduces the student to the world of business, to the way the American economy operates, to teach students basic skills for acquiring employment, and to educate students about the importance of being a financially responsible consumer.

**Course: Business Management**

**Course Number: 0057**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: None**

Students will obtain fundamental knowledge and skills in general management, human resources management, operations management, business informatics and office management. Students will use technological tools and applications to develop business insights.

**Course: Entrepreneurship**

**Course Number: 0119**

**Credit: 2 (2 periods)**

**Grade Level: 11, 12**

**Length: Full year**

**Prerequisite: At least one semester of any Business Department class taken grades 9-11**

*Open to ALL Juniors and Seniors who have taken at least one Business Class in Grades 9-11.*

Students will use innovation skills to generate ideas for new products and services, select target markets, profile target customers, define the venture's mission, and create business plans. Establishing a brand, setting prices, promoting products, and managing customer relationships will be emphasized. As a Senior level class, the goal is for the student to be prepared for life after graduation whether in college, trade school, the workforce, or military.

# FAMILY AND CONSUMER SCIENCES

Course	Prerequisite	Credit	Grade Level
Financial Literacy	n	½	10, 11, 12
<b>Nutrition and Foods</b>			
Intro to Cooking	n	½	9, 10, 11, 12
Advanced Cooking	y	½	9, 10, 11, 12
Regional and Global Cuisine	y	½	9, 10, 11, 12
Foods for a Lifetime	y	½	9, 10, 11, 12
<b>Life Planning</b>			
Planning for Your Future	n	½	9, 10, 11, 12
Preparing for Life on Your Own	y	½	11, 12
Child Development	n	½	9, 10, 11, 12
Relating to Others	n	½	9, 10, 11, 12
Service Learning	n	1	11, 12

## Course Descriptions

### REQUIRED SOPHOMORE COURSE:

**Course: Financial Literacy**  
**Course Number: 0352**  
**Credit: ½**

**Grade Level: 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

Financial Literacy is a required course for graduation under Ohio law beginning with the Class of 2026, and will be scheduled for students during their Sophomore year. The content covered in this course will have immediate implications for high school students as they begin to make large financial decisions such as purchasing cars, signing contracts for places to live or taking out loans to continue their education. The goal of this course is to provide students with the knowledge and skills they need to make a lifetime of informed financial decisions. **\*This course is required for graduation for classes 2026 and beyond.**



## **Nutrition and Foods Courses**

**Course: Intro to Cooking**

**Course Number: 0357**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *None***

Fundamentals of cooking are taught here! Students will learn kitchen basics like how to read and follow recipes, units of measurement, kitchen safety and sanitation, knife skills, and the use of typical kitchen appliances both small and large; with hands on cooking and baking.

**Course: Advanced Cooking**

**Course Number: 0360**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *Intro to Cooking***

We're taking it up a notch! Students in this class will investigate famous chefs, prepare and evaluate recipes, choose recipes for main courses, side dishes and desserts; all while working on technique and presentation skills. Advanced Cooking labs include creating stocks and mother sauces, cooking with herbs, herb blends and spices; and learning about the variety of careers associated with Culinary Arts. Who knows: a competition just might be in the plans!

**Course: Regional and Global Cuisine**

**Course Number: 0361**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *Intro to Cooking***

What determines why we eat the foods that we do? Find out in this exploration of the history and characteristics of foods from around the country and from around the world. Learn what makes up a "region" and how many regions there are in the United States. Then we will pack our mess kits and begin exploring traditional foods based on where in the world our students would like to travel. Students will choose the recipes and share with their classmates their creations and what they have learned about their regions.

**Course: Foods for a Lifetime**

**Course Number: 0364**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *Intro to Cooking***

Why do you eat as you do? What would you do if you had total responsibility for feeding yourself or your family? What is the relationship of food to health, wellness, and fitness? The major focus of Foods for a Lifetime is to have you become more aware of the relationship between nutrition, and level of activity to your personal wellbeing. Evaluate your diet; make a plan to change things in a positive way during this class.

## **Design a Life Plan and a Career Blueprint:**

### **Life Planning Courses**

**Course: Financial Literacy**  
**Course Number: 0352**  
**Credit: ½**

**Grade Level: 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

Financial Literacy is a required course for graduation under Ohio law beginning with the Class of 2026, and will be scheduled for students during their Sophomore year. The content covered in this course will have immediate implications for high school students as they begin to make large financial decisions such as purchasing cars, signing contracts for places to live or taking out loans to continue their education. The goal of this course is to provide students with the knowledge and skills they need to make a lifetime of informed financial decisions.

**Course: Planning Your Future**  
**Course Number: 0668**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

### **Design a Life Plan and a Career Blueprint:**

In this class, students will develop and implement a career blueprint in the context of life choices, future education, changing employment trends, societal needs, and economic conditions.

First, you will identify and analyze your own interests, talents, skills, aptitudes and values in relation to career options. You will identify potential career options based on your future goals and develop a plan to get “from-here-to-there.” You will also gain insight on the development of core employability skills needed by all students to succeed in school and by all workers to succeed in the workplace. This class also provides an overview and introduction to paychecks, taxes, banking, and the financial impact of career choices on all your life goals

**Course: Preparing for Life on Your Own**  
**Course Number: 0677**  
**Credit: ½**

**Grade Level: 11, 12**  
**Length: One semester**  
**Prerequisite: None**

Are you ready to be on your own? Do you have a plan for assuming full financial responsibility and decision-making for yourself, including budgeting, planning and money management, paying bills, making purchasing decisions, investing, understanding and using credit, and more? In this class, students will:

- develop the ability to make informed and reasoned financial decisions;
- become prepared for their role as decision-makers as consumers; and
- act responsibly as consumers and investors and best utilize their limited resources.

The class may also include a variety of other life-skills according to the identified priorities of the class; and will include attention to wellness issues and life-work balance.

**Course: Child Development**

**Course Number: 0356**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: None**

Do you like children? Are you a babysitter? Do you plan to have children of your own someday? (90% of Americans do!) If you have contact with children now or plan to in the future...this class is for you! Students will study child development from conception through the preschool years; find out what it REALLY costs to have and raise children in the 21<sup>st</sup> century; research and study how children grow and develop; and how to have a healthy and positive impact on the children in your life.

**Course: Relating to Others**

**Course Number: 0670**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: None**

Conflict is a natural and unavoidable part of life. This class is designed to teach healthy and positive strategies to resolve conflict. Students will learn to recognize signs of conflict, manage emotions, and identify areas of personal conflict and devise solutions that work. Interpersonal conflict in relationships, at school, in the family and at work will all be explored along with techniques for avoiding, diffusing, and/or resolving conflict in mature and healthy ways.

**Course: Service Learning**

**Course Number: 0648**

**Credit: 1**

**Grade Level: 11, 12**

**Length: Full Year**

**Prerequisite: *Teacher recommendation***

Service Learning is a year long course for Juniors and Seniors. Students will learn about various types of community service and will be required to spend time outside of school hours for service projects. Collaboration, problem-solving, critical thinking, communication, and leadership are some of the essential skills that will be developed throughout the students' experiences in this course. Through the application of their knowledge with personal experiences, our students will develop an understanding of the needs of others, an altruistic desire to serve, and the necessary tools on how to do so. Topics to be covered include, but are not limited to, history of philanthropy in the U.S., study of current major service organizations, legal implications for service organizations, project planning and functioning as a member of a project team.

## INDUSTRIAL TECHNOLOGY

Course	Prerequisite	Credit	Grade Level
Introduction to Wood/ Metals Manufacturing	n	½	9, 10, 11, 12
Metalworking I	y	½	9, 10, 11, 12
Metalworking II	y	½	9, 10, 11, 12
Metalworking III	y	½	10, 11, 12
Metalworking IV	y	½	10,11, 12
Woodworking I	y	½	9, 10, 11, 12
Woodworking II	y	½	9, 10, 11, 12
Woodworking III	y	½	10, 11, 12
Woodworking IV	y	½	10, 11, 12

### Advanced Career - Integrated Production Technologies

Advanced Tech for Design and Production	y	1	9, 10, 11, 12
Systems of Advanced Technology	y	1	10, 11, 12
Mechatronic Systems for Advanced Production	y	1	11, 12

### Course Descriptions

**Course: Intro. to Woods/Metals Manufacturing**

**Course Number: 0671**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: None**

This course covers the basics of both Woods and Metals. Measurement and safety are both heavily emphasized. Students are expected to use a variety of both hand and power tools. Students will create a wooden cutting board, learn metals identification, precision measurement, making a sheet metal dustpan **Major Projects: *Edge Grain Cutting Board.***

**Course: Metalworking I**

**Course Number: 0411**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *Introduction to Woods/Metals***

Metalworking Processes and Manufacturing Systems is a basic course in high school general metalwork and manufacturing processes. Bench work, sheet metal work, heat-treating, welding and introductory machine metal work are all included. Students may specialize in an area of interest to them upon completion of the basic areas mentioned above. **Major Project: *Toolbox, Student Choice.***

**Course: Metalworking II**

**Course Number: 0412**

**Credit: ½**

**Grade Level: 10, 11, 12**

**Length: One semester**

**Prerequisite: *Metalworking I***

This course is designed for further study of Metalworking Processes and Manufacturing systems. The students undertake individual investigation projects. The students concentrate in areas of their choice for their particular individual needs. **Major Project: *Student Choice (Machining Project or Welding Project Must be included)***

**Course: Metalworking III**

**Course Number: 0413**

**Credit: ½**

**Grade Level: 10, 11, 12**

**Length: One semester**

**Prerequisite: *Metalworking II***

This course enables the students to continue learning Metalworking Processes and Manufacturing Systems. The students will learn to plan and execute their work on the metalworking machines and the allied hand tools from drawings and prints. The students should learn to read and use precision layout and measuring devices particular to Metalworking Processes and Manufacturing Systems curriculum. **Major Project: *Student Choice (Machining Project or Welding Project Must be included)***

**Course: Metalworking IV**

**Course Number: 0414**

**Credit: ½**

**Grade Level: 11, 12**

**Length: One semester**

**Prerequisite: *Metalworking III***

This course enables the students to continue learning Metalworking Processes and Manufacturing Systems. The students will learn to plan and execute their work on the metalworking machines and the allied hand tools from drawings and prints. The students should learn to read and use precision layout and measuring devices particular to Metalworking Processes and Manufacturing Systems curriculum. **Major Project: *Student Choice (Machining Project or Welding Project Must be included)***

**Course: Woodworking I**

**Course Number: 0421**

**Credit: ½**

**Grade Level: 9, 10, 11, 12**

**Length: One semester**

**Prerequisite: *Introduction to Woods/Metals***

Woodworking 1 is designed to introduce students to print reading and basic furniture construction. The major project for the semester is a folding stool.

**Course: Woodworking II**

**Course Number: 0422**

**Credit: ½**

**Grade Level: 10, 11, 12**

**Length: One semester**

**Prerequisite: *Woodworking I***

This course is designed to build on what was learned in Woodworking I. Students will have the opportunity to Build a professional quality end table. This course dives deeper into machine processes and wood joinery.

**Course: Woodworking III**

**Course Number: 0423**

**Credit: ½**

**Grade Level: 10, 11, 12**

**Length: One semester**

**Prerequisite: *Woodworking II*  
or teacher recommendation**

This course allows the student an opportunity to design, develop, and construct a project reflecting one year experience in this area. Seventy Five percent (75%) of this course will be spent on fine cabinet making and twenty five percent (25%) studying the construction world.

**Course: Woodworking IV**

**Course Number: 0424**

**Credit: ½**

**Grade Level: 10, 11, 12**

**Length: One semester**

**Prerequisite: *Woodworking III*  
or teacher recommendation**

This course allows the student an opportunity to design, develop, and construct a project reflecting one year experience in this area. Seventy Five percent (75%) of this course will be spent on fine cabinet making and twenty five percent (25%) studying the construction world.

## **Advanced Career — Integrated Production Technologies**

**Course: Advanced Technology for  
Design and Production (*IPT Course #1*)**

**Course Number: 0426**

**Credit: 1**

**Grade Level: 9, 10, 11, 12**

**Length: Full Year**

**Prerequisite: *Teacher recommendation***

This course will engage students in the use of modern technologies in the design and improvement of products. Students will use three-dimensional CAD software in the creation and analysis process. Students will document designs using standards set by industry for design documentation. Students will implement methods of green production and just-in-time component supply which allow for the lowest cost and highest quality products. Students will design and troubleshoot data acquisition, programmable logic control, process monitoring, automation and robotic systems. Students will incorporate sensing and vision systems, utilizing cameras and sensors to control automated systems.

**Course: Systems of Advanced Technology**  
**(IPT Course #2)**  
**Course Number: 0427**  
**Credit: 1**

**Grade Level: 10, 11, 12**  
**Length: Full Year**  
**Prerequisite: IPT Course #1**

In this course, students will apply the technologies that are found in modern clean, production environments. Students study effective and energy efficient control of pumping, conveyors, piping, pneumatic and hydraulic control systems. Students apply total quality management to production design to assure quality. Students also focus on properties of materials and material testing, creating documentation to support designs, examining properties and justifying material selections based on properties. Students learn that old products become the new raw materials for new products.

**Course: Mechatronic Systems for  
Advanced Production (IPT Course #3)**  
**Course Number: 0428**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full Year**  
**Prerequisite: IPT Course #2**

Students will design cost-effective work cells incorporating automation and robotics to improve quality of final products. The advanced production in this course depends on the use and coordination of information, automation, network systems, vision and sensing systems. Students will design and create mechatronic systems and automated tooling to accomplish these advanced tasks. Students produce authentic documentation about their cyber-mechanical systems and the integration with data to control and monitor processes.

# MUSIC

Course	Prerequisite	Credit	Grade Level
Concert Choir	n	1	9,10, 11, 12
Chamber Choir ( <i>Audition</i> )	y	1	10, 11, 12
Band	y	1	9, 10, 11, 12
Hip-Hop History	n	½	9, 10, 11, 12
Music Appreciation/ History	n	½	9, 10, 11, 12
Music Theory	y	½	10, 11, 12
History of Rock-n-Roll	y	½	11, 12

Music classes are designed for students who have an interest in performing as an enjoyable vocation and for students who plan to pursue the study of music as a career. Extended music instruction, small group and solo performances enhance the opportunity for development of skills.

## Course Descriptions

**Course: Concert Choir**  
**Course Number: 0513**  
**Credit: 1**

**Grade Level: 9,10, 11, 12**  
**Length: Full year**  
**Prerequisite: None**

This is a yearlong course designed for 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade students. Concert choir is an intermediate level ensemble designed to refine the student's vocal and interpretive skills. Areas that will be explored in this class include: proper vocal technique, various styles of choral music, sight singing, and listening skills to enhance ensemble intonation, balance and blend. Daily participation is required and attendance at all performances is mandatory.

**Course: Chamber Choir**  
**Course Number: 0512**  
**Credit: 1**

**Grade Level: 10, 11, 12**  
**Length: Full year**  
**Prerequisite: *Audition only (early January)***

This is a yearlong course, meeting every day. The Chamber choir is one of the top performing groups at Ravenna High School. This choir is for serious singers who wish to pursue more difficult musical challenges, and perform more advanced choral literature. The ability to read music is expected. Members are expected to perform at contests and participate in all concerts. Daily participation is required and attendance at all performances is mandatory.



**Course: Band**  
**Course Number: 0500**  
**Credit: 1**

**Grade Level: 9, 10, 11, 12**  
**Length: Full year**  
**Prerequisite: 8<sup>th</sup> Grade Band and/or  
Director's recommendation**

The study of instrumental music is an educational opportunity for students to learn and develop intellectually, emotionally, and physically through various musical experiences. Our purpose is to develop musical skills from preparing students for college level studies to giving them a future of enjoying music because of their educational experiences. All styles of music literature are studied including classical, modern, jazz, and popular. As a band member, students experience many activities: concerts, contests, and educational travel. Ensembles include Marching Band, Symphonic Band, Wind Ensemble, Jazz Ensemble, and Steel Band. Daily participation is required and attendance at all performances is mandatory. Band Camp (in July) is expected.

**Course: Hip-Hop History**  
**Course Number: 0502**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One Semester**  
**Prerequisite: None**

This course will allow students the opportunity to learn about the history of Hip-Hop, critically reflect on its role in society, including the investigation of the rise and fall of gang rap as well as women in Hip-Hop. Students will listen to and critique popular music, write their own rap songs, and learn to compose and perform drum beats.

**Course: Music Appreciation/History**  
**Course Number: 0508**  
**Credit: ½**

**Grade Level: 9, 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

The goal of Music Appreciation/History is to provide an approach to perceptive listening and an introduction to musical elements, forms, and stylistic periods. This course is the study of composers' lives, individual styles, and representative works aiming not merely to impart facts but to stimulate students' curiosity and enthusiasm and heighten their love of music.

**Course: Music Theory**  
**Course Number: 0505**  
**Credit: ½**

**Grade Level: 10, 11, 12**  
**Length: One semester**  
**Prerequisite: None**

Music Theory is a broad field including the fundamentals of Western music, ear training and sight singing, keyboard harmony, the analysis of music from various eras. The purpose is to develop basic musical skills and an understanding of musical fundamentals, harmony and form. All students wanting a more advanced understanding of music, planning to major or minor in music in college, or planning a career in the music industry are encouraged to have a background in music theory. Stress is put on the fundamentals of music, harmony, ear training, sight singing, and keyboard skills.

**Course: History of Rock-n-Roll**

**Course Number: 0503**

**Credit: ½**

**Grade Level: 11, 12**

**Length: One semester**

**Prerequisite: *None***

This course will study the impact that Rock and Roll music has had on American culture and society. Students will listen to recordings, view video clips, read and discuss a variety of materials that relate to the music, the singers and songwriters, and the time periods involved. Emphasis will be on early influences of Rock and Roll; rock music of the 50's, 60's and 70's, along with the impact of the introduction of music videos of the 80's.

# WORLD LANGUAGE

Course	Prerequisite	Credit	Grade Level
Spanish I	n	1	9, 10, 11, 12
Spanish II	y	1	10, 11, 12
Spanish III	y	1	11, 12
Spanish IV	y	1	12

## Course Descriptions

**Course: Spanish I**  
**Course Number: 0271**  
**Credit: 1**

**Grade Level: 9, 10, 11, 12**  
**Length: Full year**  
**Prerequisite:** *A minimum of "C" average in English*

The Spanish I course will set the foundation for the importance of learning a world language. Primary emphasis is placed on acquiring interpersonal and presentational language skills necessary to communicate effectively in Spanish. Delivery of vocabulary and grammar is presented through interactive instruction, music, various classroom activities, as well as authentic text. History and culture of Spanish speaking countries will also be explored. NCAA approved 1 credit.

**Course: Spanish II**  
**Course Number: 0272**  
**Credit: 1**

**Grade Level: 10, 11, 12**  
**Length: Full year**  
**Prerequisite:** *A minimum of "C" average in Spanish I*

Spanish II is a continuation of Spanish I with emphasis on the acquisition of grammar and vocabulary. Students will focus on verbal and written communication of the language. Delivery of the grammar and vocabulary is presented through interactive instruction, music, various classroom activities, as well as authentic text. Students will learn the present, past, future, imperfect and conditional tenses as well as commands. NCAA approved 1 credit..

**Course: Spanish III**  
**Course Number: 0273**  
**Credit: 1**

**Grade Level: 11, 12**  
**Length: Full year**  
**Prerequisite:** *A minimum of "C" average in Spanish II*

Spanish III is a continuation of Spanish II grammar. Students will learn the perfect tenses and the subjunctive. Delivery of the grammar and vocabulary is presented through interactive instruction, music, various classroom activities, as well as authentic text. Heavy emphasis is placed on speaking and writing skills. Students will read classical Spanish literature. NCAA approved 1 credit.

**Course: Spanish IV**  
**Course Number: 0274**  
**Credit: 1**

**Grade Level: 12**  
**Length: Full year**  
**Prerequisite:** *A minimum of "C" average in Spanish III*

Spanish IV is a complete review of all three moods, indicative, imperative and subjunctive. Students will be writing and speaking as they study the history and culture of Latin America through selected media such as films, readings, videos and projects. Delivery of the grammar and vocabulary is presented through interactive instruction, music, various classroom activities, as well as authentic text. NCAA approved 1 credit.

# Ravenna High School Late Arrival/Early Release Checklist

Course Number:

Late Arrival – 1010, Early Release - 1020

Grade Level: 12

Eligibility: Read below

Late arrival (2nd period) or early release (after 8th period) will be offered to seniors who meet the criteria.

Before being considered for this option, seniors must meet the following requirements:

\_\_\_ **Must be on track for graduation (complete a credit check with your counselor).**

**Date of credit check \_\_\_\_\_**

\_\_\_ **Must have passed state test requirements or completed an alternate pathway.**

\_\_\_ **Must have a 90% attendance rate for the previous year. *Get a printout from the Assistant Principal's secretary and attach it to this paper.***

\_\_\_ **Must be passing all classes with a C or better. *Tracked by a counselor.***

\_\_\_ **Must not have any Acellus classes.**

\_\_\_ **Must have a phone conference between the parent and counselor.**

**Date of call \_\_\_\_\_**

\_\_\_ **Privileges will be revoked if:**

- **Not meeting attendance expectations**
- **In school or out of school suspensions**
- **Grades lower than a C**

***Tracked by Assistant Principal & School Counselor who have the right to revoke late arrival/early release privileges.***

Students who earn the late arrival/early dismissal privilege must not be on school property during the period (1st or 10th) that a class is not scheduled.

I have read and completed the above requirements in order to earn late arrival/early release privileges.

Student Name \_\_\_\_\_

Date: \_\_\_\_\_

Student Signature \_\_\_\_\_

Parent name \_\_\_\_\_

Date: \_\_\_\_\_

Parent Signature \_\_\_\_\_

Parent phone number(s) \_\_\_\_\_