RIVERVIEW HIGH SCHOOL

Course Selection Guide

2025-2026

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Dear Parents/Guardians and Students:

The faculty and administration at Riverview High School have compiled the course selection guide for the purpose of assisting parents and students with educational and career planning. The administration reserves the right to make corrections and adjustments to this course selection guide as needed. In this booklet, you will find course descriptions, graduation requirements, career pathways, college and career planning information and additional information for you. Your guidance counselor is available to assist you as you make your way through these important decisions.

One of the most important decisions you make each year in high school is the selection of your course of study. Good decisions regarding your high school course of study enhance student possibilities after high school. Please become familiar with the courses, requirements, assessments, and opportunities you have as a student at Riverview High School.

Sincerely,

Jennifer Furkas
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Principal

Ryan DiBrano
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Assistant Principal

Graduation Requirements

It is the requirement of the Riverview Community School District that a student complete the standards, found in within the Michigan Merit Curriculum (MMC), listed below, in order to graduate and participate in commencement and other graduation activities. Students must also complete the Michigan Merit Exam or equivalent assessment within the four required years of high school attendance.

DIPLOMA REQUIREMENTS

4 Years	English Language Arts	Students must successfully complete the standards found in English 9, 10, 11, & 12. Students must participate in Senior Portfolio Night.
4 Years	Mathematics	Students must successfully complete the standards found in Algebra I, Geometry, and Algebra II, as well as either Senior Math or 2 math related courses of which at least one math course must be completed during senior year.
3 Years	Science	Students must successfully complete the standards found in Biology, and one of either Chemistry, Physics, or Anatomy & Physiology, plus one additional science credit.
3 Years	Social Studies	Students must successfully complete the standards found in American History, World History, Government, and Economics.
2 Terms	Physical Education/Health	Students must successfully complete the standards found in Physical Education and Health.
2 Terms	Visual, Performing/ Applied Arts	Students must successfully complete the standards found in Art, Music, Theatre, a CTE course, OR other approved course for VPAA credit.
1 Year	Foreign Language	Students must successfully complete the standards found in a foreign language, according to the MMC requirements. Standards must be earned in one foreign language.
1 year Or 2 Terms	Foreign Language OR VPAA	Students must complete a total of 3 years of combined Foreign Language and VPAA
1 Term senior year	Financial Literacy	Students must successfully complete the standards found in one of the following courses: Financial Literacy, Business & Personal Finance, Accounting, Business Administration Management & Operations, Pre- Calculus, AP Statistics, or Calculus. Exceptions can be considered for CTE or EDE students. State requirement starting with the class of 2028

Students who transfer into the district are eligible to graduate provided they have met all the graduation requirements. It is the intent of this policy to permit students who transfer into the district or who transfer out of the district during their senior year to transfer their accumulated credit and graduate either high school as long as the former high school is in agreement. A student who transfers into the district in their senior year is not eligible for graduation honors

Graduation Honors

Highest Distinction

- 4.0+ GPA
- ACT composite score of 27+ or SAT Score of 1240
- NHS member, in good standing
- 6 honors credits

Distinction

- 3.8+ GPA
- ACT composite score of 24+ or SAT score of 1160
- NHS member, in good standing
- 3 honors credits

Latin

- 3.75+ GPA ~ Summa cum Laude
- 3.50+ GPA ~ Magna cum Laude
- 3.00+ GPA ~ cum Laude

Determination of graduation honors will be based on the cumulative GPA after the second trimester of senior year.

Honors Courses

Department	Course
English	AP Literature and Composition AP Language and Composition CP English 11 (T3)
Social Studies	AP American History AP Psychology AP Microeconomics AP Macroeconomics
Science	AP Biology Chemistry II AP Physics I CP Physics II Honors Chemistry (T3) Honors Physics (T3)
Math	AP Statistics Calculus Pre-Calculus with Trigonometry (T3) College Algebra
Foreign Language	Spanish IV Spanish V

Flexible Learning Options

In addition to traditional classroom-based instruction, students may earn credit through the following:

Academic Consortium

The Downriver Career Technical Consortium has established the academic consortium for students in the nine DCTC school districts. The purpose of the academic consortium is to provide expanded opportunities in high-level courses such as advanced placement, foreign language, fine arts, and unique class offerings. Juniors and seniors from the nine high schools are eligible to attend classes with the academic consortium.

Virtual/Online Course of Study

High school students may also earn credit to be applied toward graduation requirements by completing online courses offered through a statewide catalog or through Riverview Virtual Academy. In 2013, the School Aid Act established that Michigan public high school students may enroll in up to two online courses during an academic session. Certain criteria regarding qualifying courses and eligible students must be met to register for these courses. Please see the student's guidance counselor for enrollment procedures, guidelines, and requirements.

Dual Enrollment Credit

Students successfully completing the requirements of a course offered by a Michigan post-secondary institution shall receive high school credit and/or college credit providing all guidelines have been met.

Dual Enrollment Notice of Eligibility
Effective April 1, 1996, Public Act 160 and Public Act 258 of 2000, created the Postsecondary Enrollment Options Act, commonly referred to as dual enrollment.
This law directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities. The following are some of the eligibility guidelines/standards:

1. Students in grades 9 through 12 may take up to ten postsecondary courses.
2. Students can qualify for dual enrollment by taking an assessment and achieving the minimum qualifying score on that assessment.
   a. The list of assessments and scores can be found by clicking here.
3. 388.155 Rule 5 (2) the acts do not prohibit a district from supporting any pupil regardless of eligibility under these acts. A district may elect to support college level courses or career preparation courses for any pupil if it is in the best interest of the pupil
4. Students must be enrolled in both the eligible school (public or private) and eligible postsecondary institution during the local school's regular academic year and must be enrolled in at least one high school class.
5. The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.
6. School districts are required to pay an amount equal to the prorated percentage of the statewide pupil-weighted average foundation allowance, based on the proportion of the school year that the eligible student attends the eligible postsecondary institution. This amount is subject to change due to college tuition fluctuations. **Any charges above this allowance is the responsibility of the student's family.** Eligible charges include tuition and mandatory course fees, material fees, and registration fees required by an eligible institution for enrollment in the course. *Eligible charges do not include transportation or parking costs or activity fees.*
7. If, for any reason, a student does not receive college credit for a course or, drops a course after the postsecondary institution's posted drop date, student is

required to repay the District any funds that were expended for the course that were not already refunded by the eligible postsecondary institution.

8. Student must notify their counselor if a dual enrollment class has been dropped.

Credit for dual enrollment classes shall be awarded as a ½ high school credit for each 3 or more college semester credits at a postsecondary level. As to academic credit, when the student enrolls, they must designate whether the course credit to be earned will go towards high school credit, post-secondary credit or both. The eligible student must advise the District and the post-secondary institutions of the designation. If the grade is included on the high school transcript, it will be averaged into the student's grade point average. An honor point is given for any dual enrollment course that is transferable to a four-year degree program.

Maximum Number of Dual Enrollment Courses Allowed Each Year

	Begins in Grade 9	Begins in Grade 10	Begins in Grade 11	Begins in Grade 12
Grade 9	2			
Grade 10	2	2		
Grade 11	2	4	6*	
Grade 12	4	4	6*	6

*Cannot exceed a total of 10 courses over years 11 and 12 combined without a written agreement by the post-secondary institution and the district.

Dual Enrollment Process

1. Student meets with counselor to discuss eligibility, scheduling options, and proper course placement.
2. Student enrolls in eligible course(s) at postsecondary institution.
3. Student notifies counselor of successful enrollment and provides a copy of the accounting statement from the postsecondary institution so class schedule can be adjusted.
4. Following the postsecondary institution's drop date, district will be billed. District will pay the required allowance. The student is responsible for any remainder.

The Riverview Community School District does not guarantee or provide transportation to all dual enrollment courses or career technical preparation courses. Please see counselor for options available.

College courses taken in the spring will be posted in the 1st trimester. College courses taken in the fall will be posted in the 2nd trimester. College courses taken in the winter will be posted in the 3rd trimester.

A state university, community college, or independent nonprofit degree-granting college or university that is located in the State of Michigan and that chooses to comply with the requirements of dual enrollment is an eligible opportunity for dual enrollment. Any accredited community college or four-year degree university in Michigan is eligible to participate in dual enrollment.

Repeating of Courses

A student who fails a required class must retake that class and earn a passing grade in order to meet graduation requirements. If the class that is retaken earns a passing grade, the former E grade will be changed to an H and will not be reflected in the cumulative GPA.

A student also has the option of retaking a class for a better understanding of the course content and/or for a better grade, The improved grade will then be on the student's transcript and be part of the cumulative GPA, and the former grade will be changed to a CR indicating credit but not be part of the cumulative GPA. If the new grade is lower than the original grade, both grades will remain on the transcript.

Test-Out Provision

Riverview Community High School shall grant high school credit in any course to a pupil enrolled in high school, but not in the class, providing that the student has exhibited a reasonable level of mastery of the subject matter of the course as demonstrated by attaining a grade of not less than C+ (77%) on a summative exam in the course, or, by exhibiting mastery through the basic assessment used in the course, as stated in the district syllabus, which may consist of a portfolio, performance, paper, project, presentation, and/or final exam. Credit earned under this section shall be counted toward the fulfillment of a requirement for a subject area course and shall be counted toward the fulfillment of a requirement to a course sequence. Credit earned under this section shall be based on a "pass" grade and shall not be included in a computation of grade point average for any purpose.

Test-Out Guidelines and Procedures

1. Students are to apply for a testing out opportunity. See the RCHS counseling department for an application.
2. The deadline to apply is the Friday before Memorial Day weekend each year.
3. Students will be given ONLY one opportunity to test out of a given course.
4. The test out course is recorded on the transcript as a successful completion with no grade, instead the transcript will read CR.
5. The test out is scheduled for only one day during the last week of August. See the RCHS counseling department for the test-out date.
6. Course textbooks and course outlines will be provided for the student upon request for test preparation.
7. Where appropriate, major class projects, portfolios, research papers will also be required as a portion of the test out requirement.
8. All RCHS required courses except the state required civics courses and English 12C are available for test-out opportunities. No testing out for electives.
9. For year-long courses, students will be required to take all exams and score a C+ (77%) or better on each test.

ADMISSION TO UNIVERSITIES

Since universities and/or colleges have different requirements, the counseling department strongly suggests that all students research every college or university that they may want to eventually attend. Post-secondary institutions may require different high school pre-requisites. We encourage all students to research all possible options for their post-secondary plan so that they are able to make proper college preparatory decision and establish long-term goals.

COLLEGIATE ATHLETICS

For students considering participating in college sports, please visit the websites below for more information regarding NCAA and NAIA eligibility:

NCAA Eligibility Center

Guide for the College-Bound Student-Athlete

ELIGIBILITY CENTER PLAYNAIA Your college sports experience starts here. http://www.playnaia.org

NAIA Guide for the College Bound Student

Career Pathways

According to the United States Bureau of Labor Statistics, there are more than 12,000 career options to consider. By dividing the thousands of different occupations into six groups, it becomes easier for students to navigate, plan, and make choices about their future. The occupations grouped in each Career Pathway share similar characteristics. The employment requirements for the careers within each pathway call for many common interests, strengths, and competencies. Within each pathway are careers that encompass the entire spectrum of educational training requirements, providing opportunities for all students at all ability levels.

By identifying a pathway or pathways of interest, students can begin to relate school subjects to future goals and career interests. Exploring the pathways to find those that align with personal interest, skills, and abilities can assist in discovering occupations that may be the most rewarding in the future. In addition, it can help students to create their own educational development plan and choose which courses may be most beneficial and relevant to them.

Arts and Communication

This is the pathway of creativity. Careers in this pathway are related to humanities and performing arts, visual, literacy, and media arts. If you are innovative, imaginative, or enjoy communicating your ideas through writing, music, and art, this may be the right pathway for you.

Business, Management, Marketing and Technology

This is the pathway of organization and leadership. Careers in this pathway are related to the business environment and include sales, marketing, finance, accounting, management, and operating computers. If you enjoy working with numbers, finances, computers, or carrying ideas from planning to development, this may be the pathway for you.

Engineering/Manufacturing and Industrial Technology

This is the pathway of implementation. Careers in this pathway are related to the design, development, installation, and maintenance of technology and physical systems. If you are mechanically inclined, curious about how things work, like reading diagrams, or enjoy working with your hands, this may be the pathway for you.

Health Science

This is the pathway of physical wellness. Careers in this pathway involve laboratory science, research, preventive care, or treatment of people and animals. If you enjoy caring for people or animals that may be sick or if you enjoy learning about health, disease, medicine, or how the body works, then this may be the pathway for you.

Human Services

This is a pathway of service. Careers in this pathway involve protecting, teaching, counseling, or advising people. If you enjoy public or personal service in areas such as education, government, law, law enforcement, leisure, and recreation, military, religion, childcare, or social services, this may be the pathway for you.

Natural Resources and Agriscience

This is the pathway of environmental maintenance. Careers in this pathway are related to agriculture, environment, and the natural resources of our planet. If you enjoy being outdoors and are interested in nature and protecting the environment, this may be the pathway for you.

Guidance & Counseling

Student Support

Students may request to see their counselor whenever the need arises. They may stop into the office and sign up or submit a request directly to their counselor through Schoology. Parents may contact the counselor by calling the school at 734.285.7361 and use the appropriate extension listed below. Students are assigned to counselors upon enrollment at the high school and remain with that counselor throughout their high school career.

Riverview High School is committed to mental health awareness. The well-being of our students is of utmost importance. Any student who has emotional/social concerns should seek out support with a trusted staff member.

Outside Resources for Students in Crisis

- In an emergency, call 911
- 24/7 Crisis Text Line: text HOME to 741741
- New Oakland Family Services 24-hr. emergency: 1.877.800.1650
- 24-hour Violence/Abuse support through HAVEN: 248. 334.1274
- National Suicide Prevention Hotline: 1.800.273.8255
- National Drug Helpline: 1.800.378. 4435

Opportunities at RCHS

- SAT Testing and Test Prep
- AP Courses/ CP Courses
- Military/College Presentations
- Career/College Planning
- Xello
- Scholarships
- PSAT Testing
- Dual Enrollment
- Job Shadowing
- Career Technical Education
- RTI – Response to Intervention

RCHS counselors help our students find success in school by:

- Helping develop positive attitudes among students toward self, family, and community.
- Counseling with students individually and in groups to understand and appreciate their unique qualities and to grow personally and socially.
- Supporting students in developing an individual plan for academic success.
- Developing and delivering classroom guidance lessons that teach skills such as making healthy decisions, resolving conflicts, and respecting others.
- Assisting students to become invested in their school performance related to career opportunities.
- Working collaboratively with students, parents, administrators, and teachers to identify and remove barriers that may impede student achievement.
- Empowering students to control quality, growth, and satisfaction in their lives.
- Endorsing special abilities, talents, and interests that must be recognized.
- Creating relationships with students, which is imperative to their success,
- Acquiring the support and participation of all school personnel, parents, guardians, outside agencies and the community at large.

RCHS Counselors help students prepare for their future by:

- Assisting students to develop personal awareness and explore career goals.
- Counseling students regarding career planning and preparation.
- Helping develop communication and interpersonal skills needed to relate welI with others.
- Providing a comprehensive and developmental guidance and counseling program that impacts alI students K-12.
- Assisting students to **learn,** to **work,** and to live in today's society.

Four Year Calendar: Preparing for Post-Secondary Options

9th

- Maintain a college preparatory schedule and good study habits that will result in good
- grades. Research career opportunities using Xello (fall and winter – English classrooms).
- Get involved at RCHS: clubs, sports, fine arts, leadership, activities, etc.
- Take state assessment: Official PSAT 9 in April at RCHS. Sign up for KHAN Academy in preparation: Khan Academy.
- Explore colleges and discuss future post-secondary opportunities.
- Consider volunteer opportunities.
- Keep record of activities, awards, and accomplishments – review the Xello timeline.

10th

- Maintain a college preparatory schedule, taking as many accelerated / advanced classes that are available in the subjects in which you excel.
- Continue career research with the assessments using Xello (English classrooms).
- Consider a Career-Technical Education (CTE) course by attending the CTE Expo in early winter hosted by DCTC, the Downriver Career Technical Consortium, DCTC.
- Continue to research and begin visiting colleges and attending college fairs, if not
- already. Take state assessment test: Official PSAT 10 in April at RCHS
- Continue to take advantage of volunteer opportunities and establish community
- relationships. Stay involved in school, extra-curricular activities and other community
- involvements.
- Update your record of activities, awards, and accomplishments. Update Xello.

11th

- Maintain college preparatory schedule, continuing with accelerated / advanced classes that are available in subjects in which you excel.
- Attend College Night in the fall and/or spring.
- Attend meetings with college representatives who visit Riverview Community High School.
- Take the PSAT in October and the MME in April, which includes a college entrance exam, the SAT, and a work-readiness-assessment, called Workkeys.
- Re-take the college entrance exam in April or June to better a previous score.
- Continue research of career/college options at Xello.
- Visit college campuses during spring or summer and look for virtual tours on Xello.
- Continue to look for ways to be involved and be a leader on campus at Riverview Community
- High School and in the community.
- Update your record of success, building a resume.
- Create an account on www.Parchment.com to prepare for sending transcripts to colleges.

Four Year Calendar: Preparing for Post-Secondary Options

12th

FALL

- Finalize your college search and career interest(s) using www.xello.com.
- Review senior materials in senior English classrooms for updates relating to college admissions, scholarships and important notices.
- Register for and take the fall ACT or SAT if unsatisfied with previous score.
- Attend College Nights at various locations.
- Schedule visits to colleges; many colleges have special fall visiting days for high school students.
- Attend meetings with college/military/trade school representatives who visit RCHS.
- Ask teachers for letters of recommendation if college applications request them.
- Apply online to the college of your choice or sign up for on-site admissions – October 31st goal.
- Use Parchment to submit transcript to colleges.
- File the FAFSA online between October 1 and February 1.
- Research scholarship opportunities; apply before deadlines.

WINTER

- Attend financial aid workshops in fall and winter.
- Apply for Hall of Fame Scholarships if applicable, starting in November.
- Submit completed financial aid forms to the appropriate colleges/agencies.
- Continue to research scholarship opportunities and apply before deadlines.
- Review the SAR (Student Aid Report) from each college you submitted the FAFSA.

SPRING

- STAY STRONG academically. Colleges need to see a continuation of good grades on a transcript.
- Apply for local scholarship in early March; forms available in the counseling office.
- Decide which college to attend; pay deposit if you have not already done so. – May 1st. Meet with college representatives for orientation dates, housing, financial aid, scheduling, etc.
- Notify the colleges you do not plan to attend.
- Finalize preparations for Honors Night, Portfolio Night, and Graduation.

COURSE SELECTION

DEPARTMENT	PAGES
English Language Arts	1 - 6
General Studies	7 - 8
Social Studies	9 - 12
Science	13 - 17
Mathematics	18 - 21
Foreign Language	22 – 23
Life Management Education	24 - 25
Business and Computer Technology	26 - 28
Physical Education	29 - 30
Fine Arts	31- 34
Special Education	35 - 36
Career Technical Education	37 - 47

ENGLISH LANGUAGE ARTS

All students must successfully complete the standards found in four years of English.

Course #	**Course Title**		**Grade Level**	**Standard Seat Time**
1111-1112-1113	English 9	R	9	Full Year
1211-1212-1213**	English 10	R	10	Full Year
1221-1222-1223	CP English 10	R	10	Full Year
1311-1312-1313**	English 11	R	11	Full Year
1321-1322-1323**	CP English 11 (Honors T3)	R; H	11	Full Year
1331-1332-1333**	AP Language & Composition 11	R; H	11	Full Year
1411-1412-1413**	English 12	R	12	Full Year
1421-1422-1423**	CP English 12	R	12	Full Year
1431-1432-1433**	AP Lit & Composition 12	R; H	12	Full Year
TBD	Reframing the Narrative: African American Voices Across Time	E	TBD	1 Trimester
1501	Reading	E	9-12	1 Trimester
1511-1512-1513*	Yearbook	E; V	10-12	Full Year
1541** (Offered **ODD** years)	Speech and Debate	E; V	10-12	1 Trimester
1545	Theatre Arts	E; V	9-12	1 Trimester
1547**	Play Production	E; V	9-12	1 Trimester
1555*	Writer's Workshop	E	9-12	1 Trimester
1561	Greek Mythology	E: V	10-12	1 Trimester
1563** (Offered **ODD** years)	Poetry	E; V	10-12	1 Trimester
1567 (Offered **ODD** years)	Science Fiction	E	10-12	1 Trimester
1571	Film	E	10-12	1 Trimester
1573	Holocaust Literature and Film	E	10-12	1 Trimester
1575	Philosophy	E	10-12	1 Trimester
1577	Current Events	E	9-12	1 Trimester
1579	Contemporary Fiction	E	9-12	1 Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first

ENGLISH LANGUAGE ARTS

English 9

R

Grade 9 – Full Year
Required
1111-1112-1113

English 9 is a year-long course required for all freshmen that is designed to transition students from middle school to high school literacy skills. The course is structured around the Michigan Merit and Common Core Curriculum which offers a broad experience in literature and writing that serve as a foundation for subsequent high school English courses. Various writing standards will be used to improve mechanics, grammar, and vocabulary. Comprehension standards will include reading and analyzing fiction and nonfiction texts.

CP English 10

R

Grade 10 – Full Year
Required
1221-1222-1223

Prerequisite: English 9 & Teacher Recommendation Required

CP English 10 will have an emphasis on American Literature, with overlapping standards between tenth and eleventh grade levels. Some literature and activities will mirror that of English 10, but the depth and pace will differ. Students will be expected to read advanced novels, short stories, at least one major play, and poetry. They will also be expected to deliver formal speeches. Writing pieces will include formal and informal essays and poetry.

CP English 11

R H

Grade 11 – Full Year
Required
1321-1322-1323 (Honors for 1323)

Prerequisite: A grade of "C" or better in English 10, Teacher Recommendation Required

CP English 11 is a more rigorous version of the English 11 course intended to prepare the college-bound student to successfully complete CP English 12 or AP Literature & Composition 12. The course is structured around the Michigan Merit and Common Core Curriculums, preparing for College and Career Readiness. CP English 11 is an exploration of British literature from its beginning to the present. Critical writing, speeches, and literary works, such as Beowulf, The Canterbury Tales, Macbeth, Frankenstein, and Lord of the Flies, are examples of anchor texts. Students will continue to work on preparations for the state assessment test as well as hone their writing and research skills.

English 10

R

Grade 10 – Full Year
Required
1211-1212-12-13

Prerequisite: English 9

The English 10 curriculum breaks the required state standards into three main sections, which are mirrored across the trimesters. Each trimester is focused mainly on reading, speaking, or writing, with some overlapping standards. Students are expected to read novels, short stories, at least one major play, and poetry. They will all be expected to give several types of speeches with some choice within each type. All students will write at least one formal essay, as well as several other writing pieces.

English 11

R

Grade 11 – Full Year
Required
1311-1312-1313

Prerequisite: English 10

English 11 is structured around the Michigan Merit and Common Core Curriculums, preparing for College and Career Readiness, and the standards of English 12. This course is an exploration of British literature from its beginning to the present. Literary works may include anchor texts such as *Beowulf, The Canterbury Tales, Macbeth, Neverwhere, Lord of the Flies*, and *Sherlock Holmes*. Other selections from British literature will be incorporated into the course as well. Critical writing, persuasive writing, and grammar are incorporated into the course.

AP Language & Composition 11

R H AP

Grade 11 – Full Year
Required
1331-1332-1333

Prerequisites: CP English 10 with a grade of "B" or better & Teacher Recommendation Required

AP English Language and Composition is an introductory college-level composition course. It is the equivalent to an introductory, college-level literary analysis course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. The course prepares students for the AP exam offered each May. Successful performance on the exam may result in college credit or the ability to bypass introductory English class(es), depending on the student's university of choice. Readings for this course are primarily non-fiction pieces including, but not limited to, essays, speeches, arguments, news articles, memoirs, and more.

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing and the rhetorical analysis of nonfiction texts. It will also help students explain ideas, argue points, and persuade a reader that a particular viewpoint is correct. This class follows the guidelines and expectations established by The College Board.

English 12

R

Grade 12 – Full Year Required
1411-1412-1413

Prerequisite: English 11

English 12 students will study world literature thematically linked through leadership and social responsibility, hone academic writing skills and improve their public speaking abilities. Texts such as *1984, Death of a Salesman, The Great Gatsby, The Kite Runner, Metamorphosis* and *Their Eyes Were Watching God,* and *A Thousand Splendid Suns* frame the curriculum. Curriculum will also include learning skills necessary for success beyond high school. Students will complete the mandatory projects of job shadowing and portfolio presentation, both required to pass the third term.

AP Literature & Composition 12

R H AP

Grade 12 – Full Year Required
1431-1432-1433

Prerequisites: CP English 11 with a grade of "B" or better & Teacher Recommendation Required

Advanced Placement Literature and Composition is a college-level course that prepares students for upper level college courses and the AP exam offered each May. Successful performance on the exam may result in college credit or the ability to bypass introductory English class(es), depending on the student's university of choice. Readings for the course include classic and contemporary works of literature such as Oedipus Rex, Othello, Brave New World, and The Importance of Being Earnest. Texts will include novels, dramas, short stories, and poetry. Students will develop a greater awareness of language, literature, and writing through literature analysis, discussion, and the writing of critical essays. Reading/assignments during the summer preceding the course is expected. The AP Literature & Composition class may enjoy a field trip to the Stratford Festival in Stratford, Ontario each year. This class follows the guidelines established by The College Board.

Reading

E

Grade 9-12 – 1 Trimester
Elective
1501

Reading Strategies is a course designed to focus on each student's individual reading needs. Emphasis will be placed on improving comprehension and vocabulary, developing reading rate and sharpening study skills. Materials for this course span a number of reading levels from remedial to advanced; therefore, this course would be of value to students of all abilities.

CP English 12

R

Grade 12 – Full Year Required
1421-1422-1423

Prerequisite: A grade of "C" or better in English 11 or CP English 11 & Teacher Recommendation Required

CP English 12 will further the student's mastery of writing, reading, and speaking skills. Students will study world literature thematically linked through leadership and social responsibility, hone academic writing skills, and improve their public speaking abilities. Texts such as 1984, Death of a Salesman, The Great Gatsby, Metamorphosis, and Their Eyes Were Watching God frame the curriculum. Curriculum will also include learning skills necessary for success beyond high school. Students will complete the mandatory projects of job shadowing and portfolio presentation, both required to pass the third term.

**NEW COURSE
Reframing the Narrative: African American Voices Across Time

E

Grade TBD – 1 Trimester
Elective
COURSE # TBD

This course invites students to explore the evolution of African American literature, film, and art across historical periods, from the early voices of the 19th century to the creative innovators of today. Through a thematic and chronological approach, students will analyze how African American creators have used storytelling, imagery, and performance to reflect their experiences, challenge injustice, and inspire change. The course emphasizes accessibility for all learners, encouraging critical thinking, creativity, and meaningful connections between the arts and contemporary society.

Yearbook

E

Grades 10-12 – Full Year
Elective – Repeatable –
VPAA 1511-1512-1513
**Teacher Approval Required*

Students must commit to the yearbook class for a minimum of one academic year
Yearbook staff members must be dependable, highly self- motivated people. Staffer responsibilities will include: soliciting area businesses for advertisements, attending and photographing school events, composing written features and captions, page layout (online design), yearbook sales, and fundraising. Photoshop experience is recommended but not required.

Theatre Arts

E

Grades 9-12 – 1 Trimester
Elective – VPAA
1545

Theater Arts is an introductory course in which students will learn about the many phases of performance and theater. Students will study units within the course including pantomime, improvisation, movement, and acting. A brief history of theater and examples of different types of drama are also examined. **This course is a prerequisite to the Play Production class.**

Science Fiction

E

Grades 10-12 1 Trimester
Elective
1567 (Offered **ODD** years)

A study of the genre of Science Fiction, this course will survey the vast field of literature and its myriad of subgenres. When appropriate, modern film will supplement various selections to further analyze the interpretive value and contextual relevance of specific pieces. Students will also write original science fiction material, as well as evaluations of published and peer material.

Speech and Debate

E

Grades 10-12 – 1 Trimester
Elective – VPAA
1541 (Offered **ODD** years)

Speech and Debate is a course meant to introduce students to the finer points of public speaking. Course work focuses on writing speeches, using non-verbal language, and gaining confidence with public speaking. A significant portion of the course will focus on the art of debate, including researching support for a topic, making persuasive arguments, and winning over a crowd. This course should be considered for any student who struggles with public speaking, wants to hone skills, or enjoys debating highly relevant topics.

Play Production

E

Grades 9-12 – 1 Trimester
Elective – VPAA
1547

Prerequisite: A grade of "C" or better in Theater Arts and Teacher Recommendation Required

Play Production is a class in which students learn by doing. The class will produce either a full-length play or a series of one-acts to be performed before an audience. Students will be able to concentrate on the particular phase of theater which interests them most. As a member of the class, students may choose to be an actor, director, stage technician, or another member of the production staff. Students may also be required to read from different periods in theater. They are required to write about their experiences.

Writer's Workshop

E

Grades 9-12 – 1 Trimester
Elective
1555

This is a course intended to provide intense practice in writing for students who like to write, as well as students who want to improve their writing skills. A wide variety of writing assignments will be used to assess student progress. Assignments may include expository or persuasive essays, research papers, short stories, poems, and opinion pieces. Grammar lessons will be given according to the needs of the class. Components of good writing, such as transitions, vivid verbs and modifiers, complex sentences, and strong diction, are emphasized for each assignment. Students may elect this class no more than twice in their high school career.

Greek Mythology

E

Grades 10-12 – 1 Trimester
Elective– VPAA 1561

Immerse yourself into the fantastical lives of Greek gods, heroes, and monsters! Which goddess was born by springing forth, fully grown, from her father's head? Which beautiful woman had the face that launched a thousand ships? Which warrior spent 10 years on a dangerous journey home from the Trojan War? Learn the answers to these questions and more in this course which includes independent reading, writing, discussions, films, and documentaries.

Film

E

Grades 10-12 – 1 Trimester
Elective – VPAA
1563

Prerequisite: Successful completion of English 9.
Students in poetry will learn how to write moving poetry, use the spoken word to connect to each other, find brilliance in everyday places, and use the art of self-expression to cope. In this class, we celebrate, encourage, and inspire each other. Creating a tight community of authors, students will shine during class poetry slams and while developing a robust poetry portfolio. Students who take the course more than once will have similar activities as the rest of the class, but with elevated expectations and leadership roles.

Poetry

E

Grades 10-12 – 1 Trimester
Elective – VPAA
1563 (Offered **ODD** years)

Prerequisite: Successful completion of English 9.
Students in poetry will learn how to write moving poetry, use the spoken word to connect to each other, find brilliance in everyday places, and use the art of self-expression to cope. In this class, we celebrate, encourage, and inspire each other. Creating a tight community of authors, students will shine during class poetry slams and while developing a robust poetry portfolio. Students who take the course more than once will have similar activities as the rest of the class, but with elevated expectations and leadership roles.

Holocaust Literature

E

Grades 10-12 – 1 Trimester
Elective – VPAA
1563

Prerequisite: Successful completion of English 9.
This course is designed to be an in-depth study of the Holocaust through literature and film. Study will begin with the rise of origins of anti-Semitism in world history. We will then study the rise of Nazi Germany and the role that racism and anti-Semitism played in the German society at that time. A special emphasis will be placed on the Nazi policies toward people of the Jewish faith and how those policies escalated into the "Final Solution" and the near destruction of Europe's Jewish population. Students will read a variety of full-length texts which may include Night, The Book Thief, Maus I, and Maus II. The literature will be read, discussed, and analyzed. Students will view and analyze films depicting the Holocaust and documentary programs that share survivors' stories. Time permitting, students will then move on to study other instances of genocide and ethnic cleansing.

Philosophy

E

Grades 10-12 – 1 Trimester
Elective
1575

Philosophy is a class that will challenge your notions of reality. Are we free? What is truth? What is a person? These are the types of questions that we will tackle. This class will use fiction and non-fiction writing to examine the boundaries of philosophy. Students will have to argue positions related to love, justice, death, life, and any other myriad topics. The role of the writer and the intellectual in society will be examined.

Contemporary Fiction

E

Grades 9-12 1 Trimester
Elective
1579

This English course works to create and expand a foundation for students in the skills of high school-level literary inquiry across a wide range of material from short stories, poetry, film, to a novel. This course offers students with an opportunity to read contemporary pieces that work to represent the current student body and their current needs. This course works to develop reading strategies and centers around a particularly close attention to textual details. This class focuses on close textual analysis skills, the ability to understand literary devices and techniques, and to communicate all of this understanding in both written and verbal forms.

Current Events

E

Grades 9-12 – 1 Trimester
Elective
1577

Are you "in the know" about what's going on in the world around you? If not, this course will help you to understand and appreciate events occurring throughout the world, so that you can become an informed citizen. We'll use various forms of media (online newspapers, magazines, cartoons, broadcasts, podcasts, etc.) as we discuss and explore local, national, and international news. Topics will vary depending on the current news cycle. Class activities may include discussion, debate, illustrations, trivia/vocabulary games, student-created news broadcasts or podcasts, presentations, or writing assignments

GENERAL STUDIES

Course #	Course Title		Grade Level	Standard Seat Time
8101-8102-8103	Study Skills	E	9-11	1 Trimester
8121	College and Career Readiness	R	11	1 Trimester
8131-8132-8133	Emerging Leaders	E; V	10-12	3 Trimesters
8401-8402-8403**	Honors Seminar	E	11-12	1 Trimester
8404-8405-8406	Senior Seminar	R	12	3 Trimesters
TBD	Peer Connections	E	TBD	TBD

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first

Study Skills

E

Grades 9-11 – 1 Trimester
Elective – Repeatable
8101-8102-8103

Study Skills is designed to provide students with academic assistance. Students learn a variety of study skills, including methods of note-taking, test-taking, and time management. In this setting, they are afforded time to complete coursework, prepare study materials, review content, and ask for help with their other academic classes. The course endeavors to instill a sense of academic initiative by insisting that students' study for their academic classes even when they lack formal assignments from those classes. Students are required to maintain a planner and come to class each day with material that will benefit them in their other academic classes. They will also be given time to monitor their progress and reflect on their own strengths and weaknesses in a continuing effort to improve their academic identities and rates of accomplishment.

College and Career Readiness

R

Grade 11 – 1 Trimester
Required 8121

This class is designed to make students aware of and comfortable with the features and format of the state assessment which includes a college entrance exam and WorkKeys test. Students will learn test-taking strategies and time-management skills. All students will take full-length sample college entrance exam during the course of this class and record their progress. They will review all of the math formulas, English grammar rules, scientific methods and models, and reading comprehension strategies using past college entrance exams as practice.

Emerging Leaders

E

Grades 10-12. - 1-3 Trimesters
Elective – VPAA
8131-8132-8133

This project-based course is for student leaders who strive to create and preserve a unified student body infused with pride and spirit among students, faculty, and the community. Students will explore important leadership and civic themes including leadership and communication styles, project planning, delegating and evaluating the effectiveness of committee work, and actively engaging with peers and members of the community. The class will produce multiple projects each trimester centering around the three focus areas of service, spirit and sunshine. Students are encouraged to take the course for the entire year, but can take one or two trimesters if their schedule does not allow for all three trimesters. The course can be repeated

****NEW COURSE**

Peer Connections

E

Grades TBD
TBD Trimesters
Elective
Course # TBD

.

Senior Seminar

R

Grade 12 – 2 Trimesters
Required
8404-8405-8406

This blended learning/project-based course is a senior requirement focused on the transition to the post-secondary level. Students will be exposed to the college application process and the details involved throughout. Other topics include FAFSA, apprenticeships, trade schools, military options, career explorations, scholarship research and more. Additionally, students work to improve soft skills and technological skills as well. The student driven course is intended to maximize the academic experience of upper grade level high school students. Goals include; helping students prepare for the rigor of a post-secondary education, discuss the challenges they will face after high school, and interact in small groups to support their current course load.

Honors Seminar

E

Grades 11-12 – 1 Trimester
Elective – Repeatable
8401-8402-8403

Prerequisite: Must be concurrently enrolled in 3 honors courses

This blended learning/project-based course is an option for students with a heavy honor and/or AP course load. The student driven course is intended to maximize the academic experience of upper grade level high school students. Goals include; helping students prepare for the rigor of a post-secondary education, discuss the challenges they will face after high school, and interact in small groups to support their current course load.

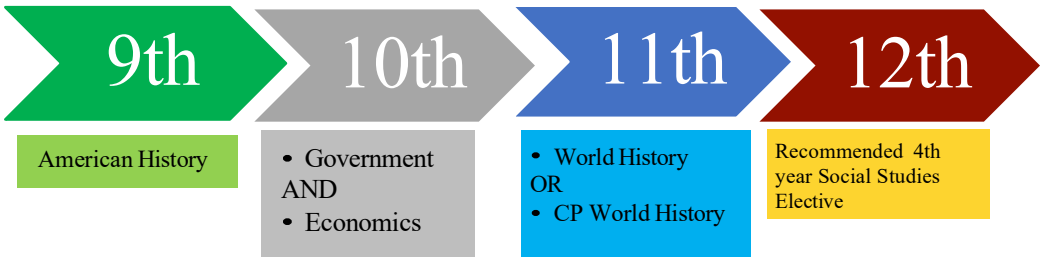
SOCIAL STUDIES

All students must successfully complete the standards found in American History, Government, Economics, and World History.

Course #	**Course Title**		**Grade Level**	**Standard Seat Time**
2211-2212-2213	American History	R	9-12	Full Year
2231-2232-2233	AP American History	E; H	11-12	Full Year
2311	Government	R	10-12	1 Trimester
2321**	CP Government	R	10-12	1 Trimester
2313	Economics	R	9-12	1 Trimester
2333-2334-2335** (Offered **even** years)	AP Microeconomics (odd graduation years)	E; H	10 -12	Full Year
2337-2338-2339** (Offered **odd** years)	AP Macroeconomics (even graduation years)	E; H	10-12	Full Year
2111-2112	World History	R	10-12	2 Trimesters
2121-2122	CP World History	R	9-12	2 Trimesters
2511	Psychology	E	10-12	1 Trimester
2512-2513-2514**	AP Psychology	E; H	10-12	Full Year
2515	Sociology	E	10-12	1 Trimester
2611	History through Film	E	10-12	1 Trimester
2615	Modern Sports History	E	10-12	1 Trimester
2617	Pop Culture and the American Family	E	10-12	1 Trimester
2619 - 2620	The Pursuit of Happiness	E	9-12	1 Trimester
2621	Military History	E	10-12	1 Trimester
2613	Fantastic Places	E	9-12	1 Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first



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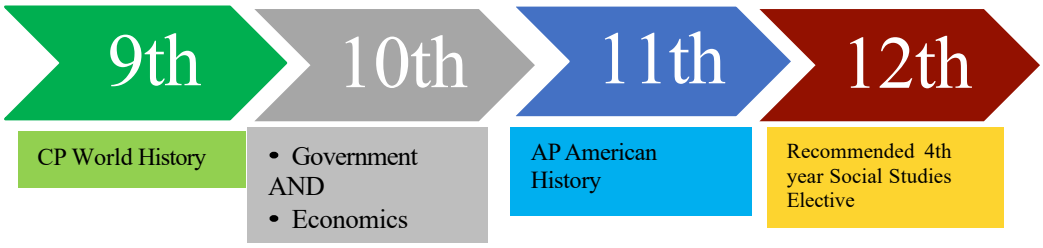


American History

R

Grades 9-12 – Full Year
Required
2211-2212-2214

Students will become familiar with our country's history beginning with the Civil War and ending with the present. Students will understand how our country came into being, what events shaped it into being a world superpower, and appreciate the role all Americans have played.

AP American History

E H AP

Grades 11-12 – Full Year
Elective – Honors
2231-2232-2233

Prerequisites: Teacher recommendation required And a minimum of 3.0 GPA

Advanced Placement U.S. History is a college-level course that prepares students for the AP exam offered in May. This course is designed to educate high school students on the importance of history in America from roughly 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. This course takes the place of the American History graduation requirement. Students on the AP Track who plan to take AP US History should enroll in World History during their 9th grade year.

Government

R

Grades 10-12 – 1 Trimester
Required
2311

Students will be able to explain the purpose of federal, state, and local government and understand the challenges to constitutional government. The three branches of government will be emphasized, as well as the fundamental principles of American Government.

CP Government

R

Grades 10-12 – 1 Trimester
Required
2321

Prerequisite: Teacher recommendation required and two trimesters of American History and a grade of "B" or better

In addition to the Government curriculum, this course will enable students to gain pertinent information relevant to their everyday life in relation to governmental functions. It will emphasize the reading of primary documents, essay writing, and researching and analytical skills.

Economics

R

Grades 9-12 – 1 Trimester
Required
2313

Prerequisite: Permission of instructor for 9th grade

Students will examine how various economic systems meet broad social goals. Exploration will focus on the functions and influences of the American free enterprise system. Students will learn how economic interdependence creates the exchange of goods, services, and payments between consumers, regions and other nations.

AP Microeconomics

E H AP

Grades 10-12 – Full Year
Elective – Honors
2333-2332-2335 (Offered **even** years)

Prerequisite: Teacher recommendation required and a Minimum GPA of 3.1

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts and theories. Students need a minimal GPA of 3.1 to be considered for this course.

AP Macroeconomics

E H AP

Grades 10-12 – Full Year
Elective – Honors
2337-2338-2339 (Offered **odd** years)

Prerequisite: Teacher recommendation required and a Minimum GPA of 3.1

AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts and theories. Students need a minimal GPA of 3.1 to be considered for this course.

World History

R

Grades 10-12 – 2 Trimesters
Required
2111-2112

World History takes a global and comparative approach to studying the world and it's past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. Various regions and their evolution will be studied. Students will understand how global issues interact with past and present events and gain an appreciation for our part in the world.

CP World History

R

Grades 9-12 – 2 Trimesters
Required
2121-2122

Prerequisite: Teacher recommendation required and a "B" or better in HS American History OR an "A" in 8th grade American History

CP World History is formatted as a rigorous and college-paced course. The class takes a global and comparative approach to studying the world and it's past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. Various regions and their evolution will be studied. Students will understand how global issues interact with past and present events and gain an appreciation for our part in the world.

Psychology

E

Grades 10-12 – 1 Trimester
Elective
2511

This course is designed to introduce students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with behavior, perception, mental disorders and other major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Sociology

E

Grades 10-12 –1 Trimester
Elective
2515

This course provides a unique way to look at human behavior and the world. Sociology is the systematic study of the groups and societies in which people live. In this introductory course, we examine and analyze how social structures and cultures are created, maintained, and most importantly, how they affect behavior.

Prerequisite: Minimum 3.0 GPA or permission of instructor

AP Psychology

E H AP

Grades 10-12 – Full Year
Elective – Honors
2512-2513-2514

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. It is highly recommended that all students who enroll in this class take the AP exam for possible college credit.

History Through Film

E

Grades 10-12 – 1 Trimester
Elective
2611

This course will teach key historical themes through film. Each of these films is set in a time period covered in World History courses, but examines these times from a different perspective. Students will watch the films, but also do supplemental research and have lessons that help explain the perspective.

The Pursuit of Happiness A

E

Grades 9-12 - 1Trimester
Elective
2619

In The Pursuit of Happiness, a variety of elements of what it means to find fulfillment and happiness, how people have historically found them and practical life skills for obtaining them will be examined. Students will further their knowledge base of not only what it means to be happy and fulfilled in a modern society, but also what it means to find it for themselves.

The Pursuit of Happiness B

E

Grades 9-12 -1Trimester
Elective
22620

Through Pursuit of Happiness B students will expand and continue learning about how to pursue happiness in life and practical life skills. This class is an extension of The Pursuit of Happiness A and gives a deeper understanding and insight of skills students can use to find happiness and fulfillment in a modern society.

Prerequisite: Must have taken The Pursuit of Happiness A to take B

Modern Sports History

E

Grades 10-12 – 1 Trimester
Elective
2615

Beginning in the late 19th century with populations shifting from being rurally based to a more urban setting, athletics have become interwoven with modern culture. International conflicts, cultural movements, and technological advancements have both impacted athletics and allowed athletics to impact the world in major ways. This history-based course will explore the 20th and 21st centuries with an emphasis on major athletics (both professional and amateur) and their roles in shaping the modern world.

Pop Culture and the American Family

E

Grades 10-12 – 1 Trimester
Elective
2617

Have you ever wondered how the advent of rock and roll influenced the family? How about the television, the computer, or the cell phone? If you have, then this course is for you. This one-trimester project-based course examines and analyzes the development, growth and influence of American Popular Culture (from 1950-Today). The course will focus on the impact various aspects of popular culture (such as television, movies, rock music, books, magazines, sports, technology) have on our culture and how they reflect the values of our society and the American family.

Military History

E

Grades 10-12 – 1 Trimester
Elective
2621

Since the beginning of recorded history, warfare and military combat has shaped borders, cultures, and power structures among people. This course will examine how military strategies have evolved throughout history and the impact that technology, innovation, geography, and diplomacy have had on the outcomes of major conflicts. Students will learn about various military doctrines, intricate battle plans and an array of weaponry that will help them develop a deeper understanding of how military conflicts play out.

Fantastic Places

E

Grades 9-12 – 1 Trimester
Elective
2613

In this geography-based course, students will have the opportunity to examine each corner of the globe through the lens of their own interests. They will each take on their own individualized role as they learn about cultures, climates, terrains, and philosophies of different nations, developing an appreciation for the similarities and differences between each.

Michigan: Then and Now

E

Grades 10-12 – 1 Trimester
Elective
2623

This course will cover our rich Michigan history through our current unique state today. We will also focus on Michigan's colorful identity through picture books, symbols, facts and trivia.

SCIENCE

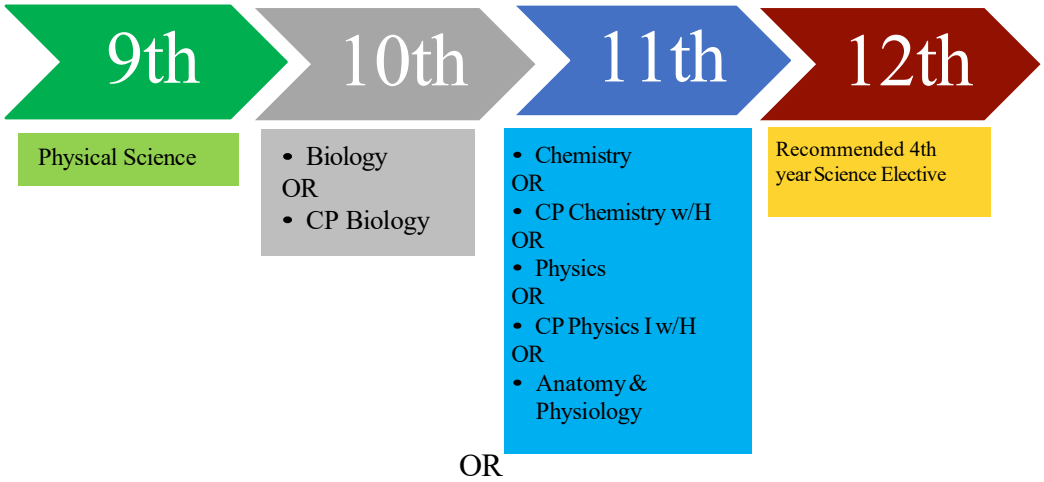
All students must successfully complete the standards found in Biology and either Chemistry, Physics, or Anatomy & Physiology plus one additional science course. *Physical Science may be replaced by an accelerated course pathway.*

Course #	**Course Title**		**Grade Level**	**Standard Seat Time**
3111-3112	Physical Science	R*	9	2 Trimesters
3211-3212	Biology	R	10-12	2 Trimesters
3221-3222-3223**	CP Biology	R	9-12	Full Year
3327-3328**	Anatomy & Physiology	E	10-12	2 Trimesters
3437-3438-3439** (offered **even** years)	AP Biology	E; H	11-12	Full Year
3311-3312**	Chemistry	R	10-12	2 Trimesters
3321-3322**	CP Chemistry	R	10-12	2 Trimesters
3333	Honors Chemistry (T3)	E; H	10-12	1 Trimester
3323-3324	Physics	R	10-12	2 Trimesters
3325-3326**	CP Physics I	R	10-12	2 Trimesters
3337	Honors Physics (T3)	E; H	10-12	1 Trimester
3445-3446-3447 (offered **odd** years)	AP Physics I	E; H	12	Full Year
3521	Weather and Climate	E; S	9-12	1 Trimester
3523	Sports Science	E; S	10-12	1 Trimester
3531**	Astronomy	E; S	10-12	1 Trimester
3541**	Forensic Science I	E; S	11-12	1 Trimester
3543**	Forensic Science II	E; S	11-12	1 Trimester
5215	Electronics	E; S; V	10-12	1 Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math
*Repeatable for multiple credit **Must take prerequisite first

RCHS is proud to promote STEM education

The acronym STEM stands for Science, Technology, Engineering, and Mathematics. It is the process of teaching that integrates these four disciplines to promote real-world experience, teamwork, and the authentic application of technology. Additionally, it promotes discovery, problem-based learning, and project-based learning. STEM is supported by the National Science Foundation and the U.S. Department of Education. As we continue to expand our curriculum, our current classes, as well as newly created ones, will better prepare our students for careers in these crucial areas.



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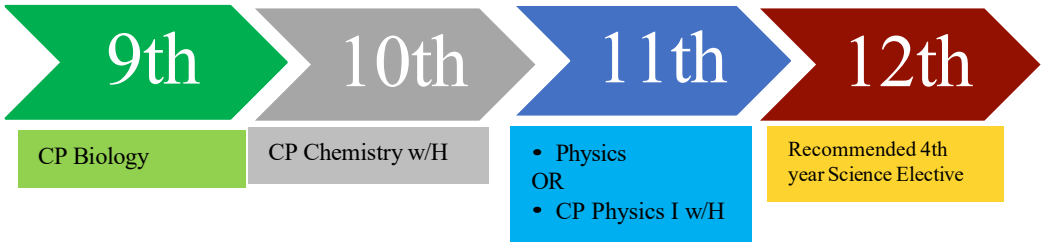


Physical Science

R

Grade 9 – 2 Trimesters
Required
3111-3112

This course is separated into two main content areas – Physics and Chemistry. Physics topics will include forces and motion, the electromagnetic spectrum, and waves. Chemistry topics will include atomic structure, properties and introduction of matter and the periodic table.

Physical Science may be replaced by an accelerated course pathway.

Biology

R

Grades 10-12 – 2 Trimesters
Required
3211-3212

Biology is the study of life science. This course is an introduction to biology and its basic principles. The topics that will be explored include cellular biology, genetics, evolution, diversification and classification of living things, and major concepts in environmental science and ecology.

CP Biology

R

Grades 10-12 – Full Year
Required
3221-3222-3223

Prerequisite: Teacher recommendation required and an A grade of "B" or better in Physical Science or an "A" in 8th Grade Science

This course is designed for those students who wish to study biological principles in greater depth and at a collegiate pace. This life science course explores cellular biology, genetics, evolution, diversification and classification of living things, and major concepts in environmental science and ecology.

Anatomy & Physiology

E

Grades 11-12 – 2 Trimesters
Elective – Fulfills Chemistry/Physics requirement
3327-3328

Prerequisite: A grade of "B" or better in CP Biology or Biology

This is a specialized course in the study of the human body and how it works. The focus is on the structure and function of the major systems of the human body: muscular, skeletal, circulatory, respiratory, nervous, and digestive systems. Dissection and other advanced laboratory techniques will be utilized to take an in-depth look at the wonder and complexities of the human body.

AP Biology

E H AP

Grades 11-12 – Full Year
Elective – Honors
3437-3438-3439

Prerequisite: Teacher recommendation required and a grade of "B" or better in CP Biology or an "A" in Biology. It is suggested that students have taken chemistry or will take it concurrently

AP Biology is the equivalent of one year of college level biology. The goal is to prepare for the Advanced Placement Biology test, given in May. If you score high enough, most colleges and universities in the U.S. will waive the required freshman level biology course. To prepare you for the test we will cover molecules and cells (25%); heredity and evolution (25%); and organisms and populations (50%). Preparation also includes an intensive laboratory experience, scientific writing, and improving essay composition for the sciences. Students who take this class must be motivated to do quite a lot of work on their own. **Course runs in school years starting with even number (ex. 2026-2027)**

Chemistry

R

Grandes 10-12 – 2 Trimesters
Required
3311-3312

Prerequisite: Completion of Algebra I and CP Biology or Biology

Chemistry is the study of matter, its properties, its composition, and how and why it reacts and changes. In this course, you will learn how chemistry relates to you and the world around you. Additional topics include dimensional analysis, trends of the periodic table, chemical compounds, chemical equations, and stoichiometry.

CP Chemistry

R

Grades 10-12 – 2 Trimesters
Required
3321-3322

Prerequisite: A grade of "B-" or better in Algebra I and CP Biology

Chemistry is the study of matter, its properties, its composition, and how and why it reacts and changes. In this course, you will learn how chemistry relates to you and the world around you at greater depth and at a collegiate pace. Additional topics include dimensional analysis, trends of the periodic table, chemical compounds, chemical equations, and stoichiometry.

Honors Chemistry

E H

Grades 10-12 – 1 Trimester
Elective – Honors
3333

Prerequisite: Teacher recommendation required and a grade of "C" or better in CP Chemistry or an "A" in Chemistry A & B

This course is a project-based extension around the topics of CP Chemistry. Extensive laboratory exercises, research and presentations, scientific explorations and real-world applications are used as a means to discover and develop understanding of the facts, principles, and theories that are the framework of this science.

Weather and Climate

E

Grades 9-12 – 1 Trimester
Elective – STEM
3521

This one semester course will focus on the different aspects of weather and climate. Topics include, severe weather, how temperature, humidity, precipitation, visibility, wind, and atmospheric pressure affect our local weather, different climates and changes that they undergo. Simulations of weather scenarios along with in-class projects will be performed.

Sports Science

E

Grades 10-12 – 1 Trimester
Elective – STEM
3523

Prerequisite: Algebra

Science has been illuminating sports for decades and will play an even more significant role in the high-speed competitive sports of the future. This course will offer a whole new way of viewing and understanding the sports you love. In this course, you will learn which additional forces are at play in different sports and why a curve ball curves or why a ball bounces. You will also understand the use of energy and power in basketball, cycling, and other sports. Group projects will help in exploring these topics further and at deeper level.

Physics

R

Grades 10-12 – 2 Trimesters
Required
3323-3324

Physics is the study of the principles and processes that are the foundation of all sciences. Topics covered are: mechanics (how and why things move), wave energy (including light and sound), and modern physics (including relativity). This course will be covering physics in a "conceptual" nature. Physics will stress hands on activities, labs, and learning by doing. This course provides knowledge into all of the essential physics standards as outlined by the State of Michigan.

CP Physics I

R

Grades 10-12 – 2 Trimesters
Required
3325-3326

Prerequisite: Teacher recommendation required and successful completion of Algebra II or taken concurrently with Algebra II with a "B" or better.

This collegiate paced Physics course is an in-depth study of the principles and processes that are the foundation of all sciences. Topics covered are: mechanics, forces, momentum, wave energy, conservation of energy and modern physics. This course uses the laboratory and other projects to actively involve you in the learning process.

Honors Physics

E H

Grades 10-12 – 1 Trimester
Elective – Honors
3337

Prerequisite: Teacher recommendation required and a grade of "C" or better in CP Physics or an "A" in Physics

This course is a project-based extension around the topics of CP Physics. Extensive laboratory exercises, research and presentations, scientific explorations and real-world applications are used as a means to discover and develop understanding of the facts, principles, and theories that are the framework of this science.

CP Physics II

E H

Grades 11-12 – 2 Trimesters
Elective – Honors
3435-3436

Prerequisite: A grade of "C" or better in CP Physics I

This second-year advanced course takes an in depth look at physics concepts. The course is designed to give the foundational basis necessary for success in a college physics program. Topics investigated include: conservation of momentum and energy, electricity and electric fields, magnetic fields, light and its properties, introductory quantum theory, and relativity.

AP Physics I

E H AP

Grades 11-12 Full Year - Elective
Honors 3445-3446-3447

Prerequisite: Teacher recommendation required and successful completion, "B" or better in Geometry
Corequisite: Algebra 2 or CP Algebra 2

In AP Physics 1, you will about the foundational principles of physics as you explore Newtonian mechanics, including linear motion, forces, circular motion, energy, momentum, simple harmonic motion and rotational motion. Emphasis will be placed on in-depth understanding of content through laboratory activities, modeling and mathematical analysis and problem solving. This is an introductory college-level course. It is recommended that students complete CP Physics or Physics prior to taking AP Physics 1.
Course runs in school years starting with odd number (ex. 2025-2026)

Astronomy

E

Grades 10-12 – 1 Trimester
Elective – STEM
3531

Prerequisites: Successful completion of Biology and Physical Science

This one trimester science elective course gives an overview of general astronomy topics with an emphasis on laboratory and investigative exercises. Astronomical topics will include: Exploring the sky; Lunar Phases, Tides and Eclipses; The Origin of Modern Astronomy; Light and Telescopes; The Origin of the Solar System; Planet Earth; The Moon; The Terrestrial Planets; The Jovian Planets. This course provides students an opportunity to investigate using materials necessary to explore the universe.

Forensic Science I

E

Grades 11-12 – 1 Trimester
Elective - STEM
3541

Prerequisites: Successful completion of Biology and Physical Science

Forensic Science is a one term science elective which introduces students to the application of science to the law. The course emphasizes laboratory and application experiences while students learn modern forensic methodologies invoking the application of the scientific method to solve forensic investigations. Topics of study include observation skills, crime-scene investigation and evidence collection, study of hair, fibers, and fabrics, fingerprinting, handwriting analysis, blood and blood spatter, DNA profiling, forgery and counterfeiting.

Forensic Science II

E

Grandes 11-12 – 1 Trimester
Elective – STEM
3543

Prerequisites: Successful completion, "B" or better in Forensic Science I

Advanced Forensic Science is a one-term science elective that expands on the knowledge that was learned in the Forensic Science course. It includes the following science disciplines Biology, Chemistry, Earth Science, and Physics. The course includes online lab investigations, hands on laboratory investigations, application of topics utilizing the scientific method and the process of law using case studies. The topics of study include interrogation and forensic reporting, drug Identification and toxicology, death: meaning, manner, and mechanism, ballistics, casts and impressions, and forensic anthropology.

Electronics

E

Grades 10-12 – 1 Trimester
Elective – STEM – VPAA
5215

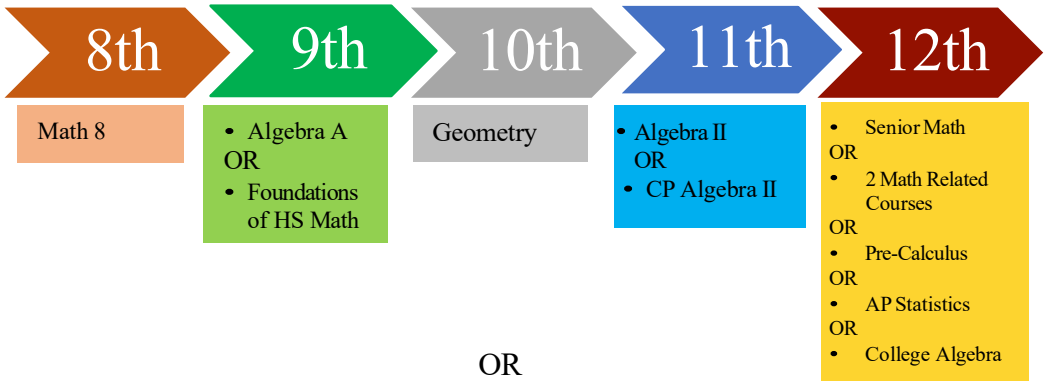
No previous electrical experience is assumed and the course will start with the basic units, quantities, and properties of electrical circuits. Familiarity with series, parallel, and s-p combination circuits is stressed as well as proficiency at reading and creating schematic representations of an electrical circuit. We will use DC exclusively, and lab activities will be a major component of the course. The intent of the class is threefold: to give the student an exposure to electronics as a possible career, to prepare students for a vocational electronics program, and/or to equip students with the ability to perform basic electronic repairs for their own purposes. Students must successfully complete the standards found in Algebra, Geometry, and Algebra II. All students are required to have a mathematics course their senior year.

MATHEMATICS

Course #	Course Title		Grade Level	Standard Seat Time
4101-4102-4103*	Math Lab	E	9-12	1 Trimester
4011-4012-4013	Foundations of High School Math	E	9	Full Year
4111-4112-4113	Algebra	R	9-12	Full Year
4211-4212-4213**	Geometry	R	9-12	Full Year
4315-4316-4317	Algebra II	R	10-12	Full Year
4311-4312-4313	CP Algebra II	R	9 -12	Full Year
4425-4426	College Algebra	E; H	11-12	2 Trimesters
4319	Senior Math	E	12	1 Trimester
4421-4422**	Pre-Calculus with Trigonometry	E	10-12	2 Trimesters
4423**	Pre-Calc w/Trigonometry (T3)	E; H	10-12	1 Trimester
4431-4432-4433**	Calculus	E; H	11-12	Full Year
4511	Statistics and Probability	E	10-12	1 Trimester
4513-4514-4515**	AP Statistics	E; H	11-12	Full Year
4521	Sports Statistics	E	10-12	1 Trimester
4621	Puzzles & Logic	E	12	1 Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first



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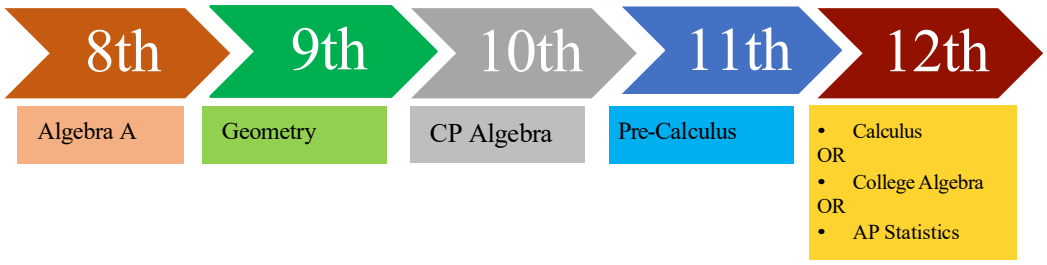

RCHS is proud to promote STEM education

The acronym STEM stands for Science, Technology, Engineering, and Mathematics. It is the process of teaching that integrates these four disciplines to promote real-world experience, teamwork, and the authentic application of technology. Additionally, it promotes discovery, problem-based learning, and project-based learning. STEM is supported by the National Science Foundation and the U.S. Department of Education. As we continue to expand our curriculum, our current classes, as well as newly created ones, will better prepare our students for careers in these crucial areas.

Math Lab

E

Grades 9-12 – 1 Trimester
Elective – Repeatable
4101-4102-4103

This course is structured to support students who have had difficulty in mathematics and be tailored to the student's individual needs. The course will focus on the reinforcement of basic math skills, support them in their current mathematics class, help them with future success in mathematics, and allow them to complete mastery of standards that have not yet been attained.

Foundations of High School Math

E

Grades 9 – Full Year
Elective
4011-4012-4013

This three-trimester course is designed to prepare students for a successful transition from middle school mathematics to the high school level curriculum of Algebra, Geometry and Algebra II. Students will study various foundational mathematical and arithmetic concepts consistent with the Common Core Standards. Upon completion of the course students will earn two years of math credit and will have also attained proficiency with the State of Michigan graduation requirements for Algebra I.

Algebra

R

Grades 9-12 – Full Year
Required
4111-4112-4113

This course is a traditional approach to Algebra. Topics include solving equations, simplifying rational expressions, multiplying binomials and trinomials, factoring polynomials, inequalities, graphing, statistics, probability, constructive response questions and critical thinking skills. The goal is to prepare the student for future math courses, and to teach the student the necessary skills to be successful on the state assessment test.

Geometry

R

Grades 9-12 – Full Year
Required
4211-4212-4213

Prerequisite: Algebra

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. It also emphasizes writing proofs to solve (prove) properties of geometric figures.

Algebra II

R

Grades 10-12 – Full Year
Required
4315-4316-4317

This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills including types of functions; linear, quadratic, polynomial, exponential, logarithmic, trigonometric, and rational. Other topics include permutations, combinations, statistics and probability.

CP Algebra II

R

Grades 9-12 – Full Year
Required
4311-4312-4313

Prerequisite: Teacher recommendation required

Algebra II is a required course for graduation. The CP sections cover the required curriculum over three trimesters. Algebra II will remind you much more of Algebra I than Geometry, but builds on material from both. Topics we will cover introduce you to many functions including quadratic, polynomial, exponential, logarithmic, rational and radical. Other topics include conic sections, probability, statistics, sequence and series, matrices, and trigonometry.

College Algebra

E H

Grades 11-12 – 2 Trimesters
Elective - Honors
4425-4426

Prerequisite: Successful completion of CP Algebra 2 AND 580 or better on SAT MATH test or 24 or better on ACT MATH test

This college-level course continues the study of algebra from the material learned in Algebra and Algebra 2.
Topics include a more extensive look at solving linear and nonlinear equations and inequalities in one variable, graphs of circles, symmetry, functions (linear, polynomial, rational, exponential, and logarithmic), graphs of functions and their transformations, inverse functions, operations with functions, solving linear and nonlinear systems of equations and inequalities in two variables, sequences and summation notation. Applications will include the use of technology to determine regression models from bivariate data.
Successful completion of this course earns 4 credit hours from Ferris State University)

FSU math credit for Calculus (Math 220) and College Algebra (Math 125) is accepted at almost all Michigan colleges and universities, U of M, Ann Arbor being a notable exception. In '24 and 25 school year, FSU tuition rates were $640 for the four-credit hour course ($160/credit hour). RCSD paid $536.11, making the student responsibility for the course $103.89; ***however, this amount could increase or decrease next year****.*

Senior Math

R

Grade 12 – 1 Trimester
Required
4319

This course will help students refine and broaden their basic conceptual understanding of algebraic functions and their graphs. These functions include: linear, systems of equations, quadratic, polynomial, rational, absolute value, exponential and logarithmic functions. By the end of the course students will understand the basic properties of these functions and their graphs while using them to model real world applications. This one trimester course will prepare students for the successful completion of any college level algebra courses needed to complete a non-math major associates or bachelor's degree at a university.

Pre-Calculus with Trigonometry

E H

Grades 10-12 – Full Year Elective – Honors for 4423 4421-4422-4423

Prerequisite: Teacher recommendation required and Successful completion of CP Algebra II

Pre-Calculus is designed to prepare students for taking calculus and other advanced math courses. Students who take pre-calculus generally have a high math aptitude, have a strong work ethic, and have been successful in the pre- requisite courses. The main thrust of the first trimester is to transition from exposure to advanced algebraic manipulations to mastery of them. This includes working with algebraic fractions, radicals and exponents. The second trimester introduces calculus topics such as the limit, some work with sequences and series, and an exposure to vectored RCHS is proud to offer Ferris State University
Credit for successful completion of Calculus. Calculus is one of the most widely applied

mathematics. The third trimester is an in-depth study of trigonometry.

Calculus

E H

Grades 11-12 – Full Year
Elective – Honors
4431-4432-4433

Prerequisite: Teacher recommendation required and successful completion of Pre-Calculus or

branches of mathematics and is THE math prerequisite for any field that is math intensive such as engineering, physics-based science, and the financial aspects of business. The course is designed to prepare students for both the AP Calculus (AB) Test and for further studies in college. Derivatives, integrals, and their application are the primary subjects of the course. Strong algebraic skills and a working knowledge of trigonometry will certainly come in handy. In order to earn FSU Credit, the student must score 620 or better on SAT Math test or score 26 or better on ACT Math test.

FSU math credit for Calculus (Math 220) and College Algebra (Math 125) is accepted at almost all Michigan colleges and universities, U of M, Ann Arbor being a notable exception. In '24 and 25 school year, FSU tuition rates were $640 for the four-credit hour course ($160/credit hour). RCSD paid $536.11, making the student responsibility for the course $103.89; ***however, this amount could increase or decrease next year****.*

Statistics and Probability

E

Grades 10-12 – 1 Trimester
Elective
4511

This course is designed to give students an overview of the basic concepts of Statistics and Probability most seen on the SAT test. Topics include comparing graphical and numerical summaries for all types of data, normal distribution, z-score, correlation and regression, and simple and compound probability calculations. This course is aligned with the Common Core expectations and is designed to prepare students for additional study in statistics including AP Statistics and future college courses.

AP Statistics

E H AP

Grades 11-12 – Full Year Elective – Honors
4513-4514-4515

Prerequisite: Teacher recommendation required and successful completion of Algebra II with a minimum B average and achieved junior status. In addition, students must be approved by the math department.

AP Statistics is a full-year course that is designed to give students the experience equivalent to a non-calculus based introductory college Statistics course. Students will be exposed to the four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

Sports Statistics

E

Grades 10-12 – 1 Trimester
Elective
4521

This course introduces students to data collection and analysis in a variety of high school sports. Students will begin by examining data collection and potential biases involved. They will then put their methods into practice by collecting data from current sports in theirs and surrounding high schools. Students will use these real-life numbers to run analyses focusing on those that schools often use. The dual purpose of the course is to teach students about data collection, analysis, and probability as well as provide in depth information to coaches about team and opponent strengths, weaknesses, and tendencies.

Sports Examined
Fall: football & volleyball Winter: wrestling & girls basketball Spring: baseball & softball

Puzzles & Logic

E

Grades 12 – 1 Trimester
Elective
4621

In this course, the students will use puzzles, games, and hand-held manipulatives to broaden their problem-solving abilities. The goal of this course is to help the students develop a logical, algorithmic though process to employ when attempting to complete a task. The puzzles will be language-based, mathematically based, and spatially based so as to be beneficial to all students in the course regardless of their particular area of prowess. This course is open to all 10th-12th graders interested in concepts of problem solving, logic, and solving puzzles.

FOREIGN LANGUAGE

According to the Michigan Merit Curriculum, students will need to successfully complete two credits, or equivalent learning experiences, of a world language in grades K-12. OR, one world language credit and either one additional VPAA credit or completion of an approved CTE program. As part of a college preparatory program we recommend that students take at least three (3) credits in a foreign language.

Course #	**Course Title**		**Grade Level**	**Standard Seat Time**
6115-6116	Spanish I	R	9-12	2 Trimesters
6215-6216**	Spanish II	R	10-12	2 Trimesters
6315-6316**	Spanish III	E	11-12	2 Trimesters
6435-6436**	Spanish IV	E, H	12	2 Trimesters
6535**	Spanish V	E; H	12	2 Trimesters
6523**	Discovering the Spanish Speaking World	E	10-12	1 Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math
*Repeatable for multiple credit **Must take prerequisite first

Spanish I

R

Grades 9-12 – 2 Trimesters
Required
6115-6116

Spanish I introduces the student to the language, history, and culture of the Hispanic world. The student learns the sound system, basic language patterns, and a communicative vocabulary. Students gain foundational communicative skills to discuss topics including leisure activities, schedules, describing characteristics, likes and dislikes. Course activities and assignments incorporate the four language skills of listening, speaking, reading, and writing. In addition to the texts, students will use video and audio tools to improve listening comprehension skills.

Spanish II

R

Grades 10-12 – 2 Trimesters
Required
6215-6216

In Spanish II students continue their exploration of the Spanish language, gain a more global perspective of Hispanic cultures, and learn more advanced language structure and vocabulary. Topics include family/home life, food, clothing, shopping, and physical fitness/healthy living. Videos, short stories, games, and online activities may be used to increase Spanish proficiency.

Spanish III

E

Grades 11-12 – 2 Trimesters
Elective
6315-6316

Prerequisite: Teacher recommendation required and a grade of "C" or better in Spanish II or permission of the instructor.

Spanish III emphasizes the refinement of all four communicative skills: listening, speaking, reading and writing. The student continues the study of major language structures including past tense, present progressive, commands and use of object pronouns. A greater emphasis is placed on oral communication at this level. Topics include careers, celebrations, homes, neighborhoods, and healthy living. Videos, supplemental texts, short stories and online activities may be used to reinforce language proficiency.

Spanish IV

E H

Grades 12 – 2 Trimesters
Elective - Honors
6435-6436

Prerequisite: Teacher recommendation required and a grade of "C" or better in Spanish III or permission of the instructor.

In Spanish IV, students will continue to use the four communicative skills (listening, speaking, reading, and writing) at a more advanced level. Students will refine their use of the two simple past tenses in Spanish—the preterite and the imperfect. They will also learn the future tense and will be introduced to the subjunctive mood. Topics include childhood activities, food/restaurant vocabulary, shopping in a store or open-air market, nature, weather, and vacation activities. Selections of literature from the Hispanic world will be introduced at this level, and songs, films, games, and online activities may be used to reinforce learning targets and to teach culture or history.

Spanish V

E H

Grade 12 – 1 Trimester
Elective – Honors
6535-6536

Prerequisite: Teacher recommendation required

The student continues his/her study of the major language structures and further develops his/her reading and writing abilities. Students will refine their use of all verb tenses learned, and will be able to speak comfortably about the past, present, and future while using a variety of tenses. Students will also continue their study of the subjunctive mood, and will be able to distinguish between using the subjunctive and indicative moods. Topics include travel, friendship/relationships, problems/solutions, apologies, family, art, and music. Students may read literature from the Hispanic world, and songs, films, games, and online activities may be used to reinforce learning targets and to teach culture or history.

Discovering the Spanish Speaking World

E

Grades 10-12 – 1 Trimester
Elective
6523

Prerequisite: Completion of Spanish IA and IB

Students will explore the Hispanic world through a myriad of cultural themes. Topic may include festivals, tourist attractions, architecture, food, influential Hispanics, holidays, movies, music, and literature.

LIFE MANAGEMENT EDUCATION

It is the purpose of the Life Management department to successfully prepare our students as workers, family members and community members with the necessary decision-making abilities and research techniques needed to be successful. Our classes provide a hands-on approach as well as an emphasis on group learning and technologic tools for learning.

Course #	Course Title		Grade Level	Standard Seat Time
7511	Nutrition	E	9-12	1 Trimester
7513	Essential Health	E	9-12	1 Trimester
7516	Parenting	E	10 - 12	1 Trimester
7517	Advanced Parenting	E	10-12	1 Trimester
7518	Financial Literacy	R	12	1 Trimester
7823	Intro to Culinary Arts	E	9 - 10	1 Trimester
7824-7825-7826	Culinary Arts	E; V	10 - 12	Full Year
7847**-7848-7849	Advanced Culinary & Baking	E; V; M	11-12	Full Year

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first

Nutrition

E

Grades 9-12 – 1 Trimester
Elective
7511

Nutrition is a course in which students use the scientific method to study the biological and chemical basis for food fermentation, preservation, and digestion. In this course, students develop writing, and reasoning skills through measuring, recording, and graphing data and writing short research projects. Current pressing issues such as childhood obesity, diabetes, eating disorders and media influences are thoroughly examined.

Essential Health

E

Grades 9-12 – 1 Trimester
Elective
7513

This course will help students define wellness and analyze personal health risks. They will examine personal development focusing on personality, heredity, and environment, cultural and interpersonal relationships. Mental and emotional health, and also nutrition in relation to wellness will be examined. The student will develop consumer skills related to food. It is a class designed with many hands-on activities.

Parenting

E

Grades 10-12 – 1 Trimester
Elective
7516

As future parents, Parenting offers a look at why we have children and will explore the factors which indicate personal readiness for parenting. We will explore the myths and legends surrounding the world of childhood, the physical, emotional, social and intellectual development of the child will be studied and we will discuss the roles and responsibilities of parenthood as well as parenting practices. We will examine community resources which supply support systems for parents and current parenting trends. This course is designed for the student who might be interested in a career in the child development area. This is a great way to learn about yourself as well. Come explore the world of parenting and take home a computerized "Baby" for 24-48 hours to test your parenting skills.

Advanced Parenting

E

Grades 10-12 – 1 Trimester
Elective
7517

Prerequisite: Parenting is recommended though not required

This course will focus on the development of the child from 3 years of age and older. Plus, encourage parenting/caregiving skills for age appropriateness for infants, toddlers, children and teens. There is a focus on safety and those children/families with disabilities and special needs. Mostly projected based in terms of developing, researching, and critiquing parenting styles, and metho

Financial Literacy

R

Grade 12 – 1 Trimester
Required
7518

This course is designed to teach personal money management as well as reinforce basic math skills. Students will discuss fundamentals of finance, solve business math problems, and deal with real-life financial situations. Concepts that are covered include banking, investing, budgeting, taxes, insurance, and credit.

Intro to Culinary Arts

E

Grades 9-10 – 1 Trimester
Elective
7823

Exploratory course examining the basics mentioned in the course description in Culinary Arts.

Culinary Arts

E

Grades 10-12 – Full Year
Elective – Full Year
7824-7825-7826

2-period Block

The Culinary Arts and Restaurant Management is a program that offers the opportunity to acquire skills to prepare the student for successful career entry or continuing education in the field of Food Service. The course will emphasize computational skills and knowledge; problem solving, reasoning, and decision-making skills; leadership skills; and social and employability skills. Students will gain practical experience working in the preparation and service of the student-operated school cafeteria and restaurant, The Pirates' Den. Various areas of restaurant work such as management, food management and handling, waiter/waitressing, baking, and other duties are exposed throughout the year in a hands-on environment. It is recommended that this course be taken as a year-long course. Curriculum has been updated to include textbooks created by the National Restaurant Association, with the class meeting state standards for culinary by utilizing ProStart material. Students will obtain a knife skills certificate, entry level Food Handler Certificate, and opportunity for CTE certificates within a year.

Advanced Culinary & Baking

E

Grades 11-12 – Full Year
Elective – Senior Year Math – VPAA
7847-7848-7849

Prerequisite: Satisfactory completion of the Culinary Arts course for one year or permission of instructor.
2-period Block

This course builds and develops upon the skills learned in the first year. The course will reiterate the same employability skills from year one, such as problem solving, leadership and mentoring, and social team building. Students prepare food for the school cafeteria and restaurant for the following day, and also labs related to the ProStart material. Second year students continue culinary methods and techniques, but also spend a portion of the academic time learning and reviewing business management in the Culinary Arts field. Advanced students are involved in creating a business plan and costing out a menu for it, and take part in a job shadow and portfolio experience. Students in this course will using an entry college level text book, and will do many upper-level culinary creations throughout the year. Students will obtain the National Manager Allergen Certificate, and the opportunity to obtain the National Manager Food Safety Certificate and CTE Completer Certificates.

BUSINESS AND COMPUTER TECHNOLOGY

All students must successfully complete the standards found in Computer Applications.

It is the goal of the Business and Computer Technology Department to help prepare tomorrow's workforce by combining coursework that provides those skills for tomorrow plus the skills needed for day-to-day life. In the age of virtual offices, teamwork and online business transactions, office procedures instruction is constantly being redefined. It is also our goal to stay in tune with those changes and meet them as challenges.

Course #	**Course Title**		**Grade Level**	**Standard Seat Time**
5151	Computer Applications	E; V	9-12	1 Trimester
5161	Intro to Coding	E; S; M; V	9-12	1 Trimester
5162**	Programming	E; S; M; V	9-12	1 Trimester
5211–5212-5213	Business Admin. Management & Operations	E; M	10-12	Full Year
5311	Marketing	E: V	10-12	1 Trimester
5315	Marketing: Sports & Entertainment	E: V	10-12	1 Trimester
5401-5402	Business & Personal Finance	E; M	9-12	2 Trimesters
5411-5412-5413	Accounting I	E; M	10-12	Full Year
5421**-5422**	Accounting II	E; M	11-12	2 Trimesters
5431**-5432**	Accounting III	E; M	12	2 Trimesters
5451	Business and Personal Law	E	9-12	1 Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first

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Computer Applications

E

Grades 9-12 – 1 Trimester
Elective
5151

Satisfies technology graduation requirement

This course will begin with students obtaining knowledge in basic keyboarding/typing and word processing techniques through hands-on practice. Presentation, spreadsheet, and database applications will also be explored. Students will have the opportunity to create a simple web site as well as being introduced to desktop publishing. Students will be using the software included in Microsoft Office 2010 Professional as well as some Adobe software products.

Introduction to Coding

E

Grades 9-12 – 1 Trimester
Elective – STEM – Senior Year Math – VPAA 5161

This is a one trimester class aimed at students with little or no programming experience. It serves as an introduction in the field of computer science. Students will explore the problem-solving process, create their own multi page website, make interactive art, and their own video game.

Programming

E

Grades 9-12 – 1 Trimester
Elective – STEM – Senior Year Math – VPAA 5162

Prerequisite: Successful completion of Introduction to Coding or permission of the instructor.

This course continues with the fundamental concepts and terminology of computer programming. Students will further develop skills in designing and writing simple computer programs. Topics for research include algorithms and problem solving, data types, control structures, functions, arrays, files, and the mechanics of running, testing, and debugging.

- Word Processing – Microsoft Word
- Presentation Software – PowerPoint
- Spreadsheet Application – Excel
- Database Management Software – Access
- Basic Video Editing – Moviemaker
- Appointments, Email, Addresses, and Tasks – Outlook/SharePoint
- Basic Web Page Design - Google Sites/HTML/Dreamweaver

Business Admin. Mgt. & Operations

E

Grades 10-12 – Full Year
Elective – Senior Year Math
5211-5212-5213

Business Administration Management and Operations is a course designed for high school students as a gateway to the Business Administration/Management career pathways, and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry.

Marketing: Sports & Entertainment

E

Grades 10-12 – 1 Trimester
Elective – VPAA
5315

This is a one-trimester class that will investigate the fundamentals of sports marketing. Students will focus on selling, promotion through social media, pricing, financial analysis, channel management, marketing information management, strategic market planning and product service planning. Classroom instruction will be reinforced through lectures & discussions, case studies, and projects.

Business and Personal Finance

E

Grades 9-12 - 2 Trimesters
Elective – Senior Year Math
5401-5402

This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include; income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and saving accounts, demonstrate knowledge of finance, debt, and credit management and evaluate and understand insurance and taxes.

Accounting I

E

Grades 10-12 -Full Year Elective Senior Year Math 5411-5412-5413

Highly recommended for college bound business students as well as students intending to pursue computers as a field of study in college.

Students taking these classes should have met basic math proficiency. These classes are designed to provide the students with a basic knowledge of accounting and to enable them to prepare and understand basic financial records for a service business and a merchandising business. Students will proceed through the entire accounting cycle, from journalizing to closing the books.

Accounting II

E

Grades 11-12 - 2 Trimesters Elective
Senior Year Math
5421-5422

Prerequisite: Accounting I or permission of the instructor

This class is a continuation of Accounting I with emphasis on corporate transactions, detailed financial statements and complex transactions.
Virtual Business Online will be used as a hands-on simulation for making sound financial decisions for both a business and with personal finances.

Accounting III

E

Grades 12 - 2 Trimesters Elective –
Senior Year Math
5421-5422

Prerequisite: Accounting I and II

The student will complete manual and computerized simulations emphasizing real- world scenarios.

Business & Personal Law

E

Grades 9-12 - 1 Trimester
Elective
5451

Business & Personal Law is designed to emphasize student's understanding of how laws affect them as a minor and as a citizen. Enforcement and origins of law, crimes, torts, and the court system are thoroughly analyzed and discussed. Students will also learn about entering into contracts, personal ethics, consumer protection rights, ownership and transfer of property, landlord and tenant relationships, employment law and personal credit. As a capstone experience, students will enter into a "Mock Trial" in which they will have an opportunity to apply their knowledge of the law in a realistic scenario where students act as prosecutors, attorneys and jury in trying a case

PHYSICAL EDUCATION

Students must successfully complete the standards found in the physical education and health courses.

Course #	Course Title		Grade Level	Standard Seat Time
6601 & 6603	Physical Education Boys / Girls	R	9-12	1 Trimester
6602 & 6604	Health Boys / Girls	R	9-12	1 Trimester
6611*	Team Sports - Boys	E	10-12	1 Trimester
6614*	Team Sports- Girls	E	10-12	1 Trimester
6615*	Strength & Conditioning - Boys	E	10-12	1 Trimester
6620*	Lifeguarding	E	9-12	1 Trimester
6622* T2	Baseball & Softball Techniques	E	10-12	1 Trimester
6623* T3	Football Techniques	E	10-11	1 Trimester
6626* T3	Volleyball Techniques (Coed)	E	9-12	1 Trimester
6625 & 6627* T1 & T3	Basketball Techniques Girls / Boys	E	9-12	1 Trimester
6629	Soccer Techniques (Coed)	E	9-12	1 Trimester
6631*	Strength & Conditioning - Girls	E	10-12	1 Trimester
6634* T3	Swim Techniques (Coed)	E	9-12	1 Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first

Physical Education

R

Grades 9-12 – 1 Trimester
Required
6601 (Boys) – 6603 (Girls)

The ninth-Grade Physical education course includes a variety of activities so that the student is able to explore many areas. Emphasis is on improvement of individual skill level. The overall goal is to improve one's fitness level, skill ability and knowledge of his/her health and well-being. Through these achievements, the objective is for the student to be able to utilize this education and their new/enhanced abilities throughout their life!

Health

R

Grades 9-12 – 1 Trimester
Required
6602 (Boys) – 6604 (Girls)

The health unit in this class stresses a healthy lifestyle and contains sections on sexually transmitted diseases (STDs) including AIDS. Parents have the right to examine materials for the section on STDs.

Team Sports

E

Grades 10-12 – 1 Trimester
Elective – Repeatable
6611 (Boys) – 6614 (Girls)

This physical education course is for individuals interested in learning and competing in team-oriented sports. Sports units covered include football, soccer, basketball, volleyball and softball. No experience or certain fitness level necessary for enjoyment and successful achievement.

Strength & Conditioning – Boys

E

Grades 10-12 – 1 Trimester
Elective – Repeatable
6615

Sign up for a course that will develop your body as well as your mind. This course will teach you how to improve and/or maintain your fitness level and give you the knowledge and expertise to stay in shape your whole life.

Lifeguarding T1

E

Grades 9-12 – 1 Trimester
Elective – Repeatable
6620

Those interested in being a certified lifeguard and/or learning the proper techniques of lifeguarding should sign up for this course. NOTE: In order to be a certified lifeguard, a person must meet the American Red Cross prerequisites for lifeguarding (e.g. being 15 years of age or older) as well as pass the needed swimming and lifeguarding skills and knowledge tests.

Baseball/Softball Techniques (T2)

E

Grades 10-12 – 1 Trimester
Elective – Repeatable
6622

The class includes conditioning skill instruction and strategy sessions related to baseball and softball. This class is a physical education elective open to all students. This class is not mandatory for any student.

Football Techniques (T3)

E

Grades 10-11 – 1 Trimester
Elective – Repeatable
6623

The class is designed to teach each student the techniques used in football, the strategies used to develop game plans, a body development through weight training. This class is a physical education elective open to all students. This class is not mandatory for any student.

Volleyball Techniques (Coed)

E

Grades 9-12 – 1 Trimester
Elective – Repeatable
6626

The class will give each student the basic understanding of the different aspects of the game. Included will be offensive and defensive schemes, conditioning and stamina. This class is a physical education elective open to all girls. This class is not mandatory for any students.

Basketball Techniques (T1 & T3)

E

Grades 9-12 – 1 Trimester
Elective – Repeatable
6625 (Girls) – 6627 (Boys)

The class will give each student the basic understanding of the different aspects of the game. Included will be offensive and defensive schemes, conditioning and stamina. This class is a physical education elective open to all students. This class is not mandatory for any student.

Soccer Techniques-(Coed)

E

Grades 9-12 – 1 Trimester
Elective – Repeatable
6629

The class will give each student the basic understanding of the different aspects of the game. Included will be offensive and defensive schemes, conditioning and stamina. This class is a physical education elective open to all students. This class is not mandatory for any student.

Strength & Conditioning – Girls

E

Grades 10-12 – 1 Trimester
Elective – Repeatable
6631

This course is designed to improve and sustain your cardiovascular endurance, muscular strength/endurance and flexibility. Students will become aware of and learn exercises to improve/maintain their level of fitness. Class activities include DDR, walking, Pilates, yoga, swimming, table tennis, tennis, Tao Bo, four square and stress management.

Swim Techniques- (Coed) (T3)

E

Grades 9-12 – 1 Trimester
Elective – Repeatable
6634

The class will give each student the basic understanding of the different strokes, techniques, and strategies used in competitive swimming. Dry land physical fitness and conditioning will be emphasized. This class is a physical education elective open to all students. This class is not mandatory for any students.

FINE ARTS

The Fine Arts Department curriculum offers classes in vocal music, instrumental music, and art. The State of Michigan requires each student to fulfill 1 credit of Fine Arts as a condition of graduation.

The Arts are a valuable and integral part of the developmental processes of the well-rounded individual. They are the primary means of perceiving, of learning, of knowing, and of feeling, as well as aiding in the development of essential critical thinking skills.

Every individual has an inherent interest in aural and visual experiences. The students of Riverview High School are thus given the opportunity to investigate, expand and develop their interests in these experiences by taking classes in the Fine Arts Department.

Instrumental and vocal music classes provide the opportunity for students to improve their musical aptitude and also allows for a large number of student performance opportunities.

Course #	Course Title		Grade Level	Standard Seat Time
7111	Art	E; V	10-12	1 Trimester
7211**	Ceramics	E; V	10-12	1 Trimester
7213**	Advanced Ceramics	E; V	11-12	1 Trimester
7231**	Painting	E; V	10-12	1 Trimester
7233**	Advanced Painting	E; V	11-12	1 Trimester
7241**	Advanced Art	E; V	11-12	1 Trimester
7331**	Mural Painting	E; V	10-12	1 Trimester
7335**	Photography	E; V	10-12	1 Trimester
7337**	Art of Craft	E; V	10-12	1Trimester

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first

Art

E

Grades 10-12 – 1 Trimester
Elective – VPAA
7111

This course will develop a basic understanding of the elements and principles of design and creative problem-solving techniques through the use of various art mediums such as pen, pencil, pastels, paint, clay and sculpture. Students will learn to identify various styles of artwork and artists through demonstrations, videos, research, and vocabulary usage. This class is project-based and has a required final exam project.

Ceramics

E

Grades 10-12 – 1 Trimester
Elective – VPAA
7211

Prerequisite: Successful completion of Art or approval of the Art instructor

This course specializes in hand building techniques including pinching, coil, slab building and modeling. Various glazes and non-fire techniques are used to finish ceramic pieces. Historical aspects of clay and cross curricular projects are included in both Ceramics classes. This class is project-based and has a required final exam project.

Advanced Ceramics

E

Grades 11-12 – 1 Trimester
Elective – VPAA
7213

Prerequisite: Teacher Recommendation Required and successful completion of Art, Ceramics

This course allows students to further build ceramic skills while learning more in-depth design concepts. Relief sculpture, vessel forms and advanced tile construction are possible directions of study. A final exam, two-page portfolio paper, and a final critique of projects are required. Portfolio work will be completed in this class for the student who will be attending college for art.

Painting

E

Grades 10-12 – 1 Trimester
Elective – VPAA
7231

Prerequisite: Successful completion of Art

This course exposes students to the basic fundamentals of paint, brushes and different techniques used to create unique works of art. Students will be introduced to watercolor and acrylic paint. Several painting surfaces will be explored in this class. Supplemental materials may be needed for this class such as paint shirts, recycled objects, and natural objects found outdoors. This class is project-based and has a required final exam project.

Advanced Painting

E

Grades 11-12 – 1 Trimester
Elective – VPAA
7233 (Offered **odd** years)

Prerequisite: Teacher recommendation required and successful completion of Art, Painting

This course allows students to further explore painting skills while developing more in-depth composition design, self-expression through the use of paint, and greater learned mixed-media techniques. This class is project-based and has a required final exam project. Portfolio work will be completed in this class for the student who will be an art major in college.

Art of Craft

E

Grades 10-12 – 1 Trimester
Elective – VPAA
7337 (Offered **even** years)

Prerequisite: Art

This class is a craft-based Art course intended for students to be exposed to various processes, techniques and methods related to crafts. Students will explore the craft of various cultures while learning the process of creating works of their own. Students will get to experience working with a variety of different mediums such as fibers, clay, wood, and glass while learning multiple studio techniques. These projects may include but are not limited to seasonal crafts.

Advanced Art

E

Grades 11-12 – 1 Trimester
Elective – VPAA
7213

Prerequisite: Successful completion of Art and a minimum of one other art class and/or instructor approval

This course allows the more serious art student to focus on further development of their skills in the areas of drawing, painting, sculpture or ceramics. Any student, who anticipates applying to an art college or may be thinking about entering an art related field should take this class to develop artwork for their portfolio. Independent projects will be discussed with each student based on their needs and goals. This class is project-based an has a required final exam project.

Mural Painting

E

Grades 10-12 – 1 Trimester
Elective – VPAA
7331 (Offered **odd** years)

Prerequisite: Successful completion of Art

This interactive class will allow students to learn the properties of working on a larger scale with paint in a group setting. At least two murals will be completed to be located throughout the school and/or community. In this class students will learn about the elements and principals of design and the necessary tools needed to complete a large-scale mural. Color theory and basic design will be covered along with project planning skills. Working in a team is required for this class.

Photography

E

Grades 10-12 – 1 Trimester
Elective – VPAA
7335 (Offered **even** year)

Prerequisite: Successful completion of Art

This basic course in photography will offer creative experiences with a point-and-shoot camera (or a personal cell device with built-in camera). This course builds the foundation for visual literacy with both form and content of images. The elements and principles of design as they relate to photographic composition are emphasized throughout course projects. Students will learn "framing within the viewfinder" and discover several composition principles. Weekly critiques of student images will build critical analysis of work. Photo software editing will be explored. Successful completion provides a foundation for further study in additional photo classes. Outside work is expected and a final project presentation is required.

Course #	Course Title		Grade Level	Standard Seat Time
7711-7712-7713*	Symphonic Band	E; V	9-12	Full Year
7715-7716-7717*	Wind Ensemble	E; V	9-12	Full Year
7811	Music History and Appreciation	E; V	9-12	1 Trimester
7841*	Jazz Band	E; V	9-12	1 Trimester
7611-7612-7613*	Mixed Chorus I	E; V	9-12	Full Year
7614-7615-7616*	Mixed Chorus II	E; V	10-12	Full Year

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math

*Repeatable for multiple credit **Must take prerequisite first

Symphonic Band
Wind Ensemble

E

Grades 9-12 – Full Year
Elective – Repeatable – VPAA
7711-7712-7713 (Symphonic)
7715-7716-7716 (Wind Ensemble)

Requirements: Prior instrumental training, or permission of the Director of Bands. Periodic rehearsals scheduled before or after school hours, performance at all events scheduled. Students need to supply their own equipment and will be expected to practice individually on a consistent basis.

The focus of this class is to improve music performing skills on both an individual and a full symphonic band basis. The symphonic band strives to produce concerts of various musical styles including traditional band literature, Broadway, jazz, pop, Christmas and holiday music, classical, and modern music. Opportunity is given to students to work on solo and ensemble literature, which helps to increase individual playing skills.

Jazz Band

E

Grades 9-12 – 1 Trimester
Elective – Repeatable – VPAA
7841

Requirements: Prior instrumental training, or permission of the Director of Bands. Periodic rehearsals scheduled before or after school hours, performance at all events scheduled by the Director of Bands. Students will need to supply their own equipment and will be expected to practice individually on a consistent basis.

The focus of this class is to improve music performing skills on both an individual basis and a full symphonic band basis. Opportunity is given to students to work on solo literature and ensemble literature, which helps to increase individual playing skills.

Music History & Appreciation

E

Grades 9-12 – 1 Trimester
Elective – VPAA
7811

This class will explore music through the ages from the Middle Ages through the 20th century. Students will learn about major trends and influential composers from the Renaissance, Baroque, Classical, Romantic, and 20th century time periods. A major emphasis will be placed on ***listening*** to a wide variety of music, and students will be expected to attend at least 1 live performance which features art music from the historical time periods being studied. This class is open to all students in grade 9-12, and it will fulfill a fine arts requirement.

Show Choir

E

Grades 9-12 ~ Grades 10-12 – Full Year
Elective – Repeatable – VPAA
7621-7622-7623

Show choir is a music class that focuses on vocal skills and choreography through music. The music can range from pop music, musical theater, jazz music, A Cappella and more.

Mixed Chorus ~ Mixed Chorus II

E

Grades 9-12 ~ Grades 10-12 – Full Year
Elective – Repeatable – VPAA
7611-7612-7613 (Mixed Chorus)
7614-7615-7616 (Mixed Chorus II)

Requirements: Attendance at after school rehearsals prior to performances, participation in performances during and after school hours, (Minimum of two performances per year), and daily class participation is required. No student should sign-up for only 1 trimester without special permission from director.

Mixed Chorus provides any student who enjoys singing the opportunity to explore various musical styles. No previous vocal experience is necessary. Emphasis will be placed on music reading, interpretation, and balance and tone quality. This is a year-long course.

Course #	Course Title		Grade Level	Standard Seat Time
9111-9112-9113	Basic English 9	R	9	Full Year
9211-9212-9213	Basic English 10	R	10	Full Year
9311-9312-9313	Basic English 11	R	11	Full Year
9411-9412-9413	Basic English 12	R	12	Full Year
9991-9992-9993*	Learning Lab	E	9-12	Full Year

R – Required E – Elective H – Honors S – STEM V – VPAA M – 4th Year Math
*Repeatable for multiple credit **Must take prerequisite first

Students must have an IEP to take any special education courses.

Basic English 9

R

Grade 9 – Full Year
Required
9111-9112-9113

Basic English 9 focuses on the Michigan Merit Curriculum in English Language Arts. Students will study a variety of literature, including short stories, poetry, drama, nonfiction, and novels. Time will be devoted to the improvement of grammar and writing skills in preparation for the state-mandated assessment and senior portfolio project. Oral presentations may also be included. The content is aligned to the general education curriculum and adapted to the needs of the students in the class.

Basic English 11

R

Grade 11 – Full Year
Required
9311-9312-9313

English 11 is structured around the Michigan Merit and Common Core Curriculums, preparing for College and Career Readiness, and the standards of English 12. This course is an exploration of British literature from its beginning to the present. Literary works such as *Jane Eyre, Frankenstein, Macbeth, Lord of the Flies, A Christmas Carol*, and *Sherlock Holmes* will be included. Other selections from British literature will be incorporated into the course as well. Critical writing, persuasive writing, and grammar are incorporated into the course. The content is aligned to the general education curriculum and adapted to the needs of the students in the class

Basic English 10

R

Grade 10 – Full Year
Required
9211-9212-9213

Basic English 10 focuses on the Michigan Merit Curriculum in English Language Arts. The course chronologically covers American Literature. Students will gain an understanding of why and how the literary selections reflect the periods in which they were written. Time will be devoted to the improvement of grammar and writing skills in preparation for the state-mandated assessment and senior portfolio project. Oral presentations may also be included. The content is aligned to the general education curriculum and adapted to the needs of the students in the class.

Basic English 12

R

Grade 12 – Full Year
Required
9411-9412-9413

English 12 students will study literature thematically linked through the leadership and social responsibility, hone academic writing skills, and improve their public speaking abilities. Texts such as T*heir Eyes Were Watching God, Animal Farm, The Great Gatsby, Antigone,* and *A Raisin in the Sun* frame the curriculum. Curriculum will also include learning skills necessary for success beyond high school. Students will complete the mandatory projects of job shadowing and portfolio presentation, both required to pass the third term. The content is aligned to the general education curriculum and adapted to the needs of the students in the class.

Learning Lab

E

Grades 9-12 – Full Year
Elective – Repeatable
9991-9992-9993

This course is designed to meet the individual needs of each student by providing additional academic support for all classes. Students will be taught how to utilize their learning strengths to succeed in academic settings. Students will receive academic support for all classes, learn about learning styles and good study habits, and learn how to advocate for themselves by learning about Special Education Services.

Course #	Course Title		Grade Level	Standard Seat Time
120AT / 122AT	Agriscience I (Zoology) / Agriscience II (Botany)		11-12	Full Year
810AT / 812AT	Architectural Drafting CAD I & II	M; V	11-12	Full Year
210HU / 212HU	Auto Body Collision Repair I & II & II	M; V	11-12	Full Year
220HU / 222HU	Automotive Technology I & II Huron	M; V	11-12	Full Year
222AT / 222AT	Automotive Technology I & II Airport	M; V	11-12	Full Year
310GI / 312GI	Aviation Technology I & II	M; V	11-12	Full Year
320FR / 322FR	Avionics Technology I & II	M: V	11-12	Full Year
730TN / 732TN	Cabinetry & Woodworking I & II	M; V	11-12	Full Year
560AT	Computer Information Technology	M	11-12	Full Year
710GB / 712GB	Construction Trades I & II	M; V	11-12	Full Year
990WH / 992WH	Cosmetology I & II	M; V	11-12	Full Year
931TN / 933TN	Criminal Justice I & II	M	11-12	Full Year
937GB	Cyber Security	M; V	11-12	Full Year
920WH / 922WH	Dental Occupations I & II	M; V	11-12	Full Year
950GB / 952GB	Digital Media/Radio & TV I & II	V	11-12	Full Year
850GI / 852GI	Educational Careers I & II	M; V	11 - 12	Full Year
353GI/ 355GI	Electrical Engineering Tech I & II	M; V	11-12	Full Year
820FR / 822FR	Engineering Design I & II	M; V	11-12	Full Year
112FIRE-119FIRE	Fire Training Institute	M	11-12	Full Year
250WH / 252WH	Graphic Communications I & II	M; V	11-12	Full Year
910GI / 912GI	Health Sciences I & II	M; V	11-12	Full Year
910FR / 912FR	Health Sciences I & II (Pharmacy Tech)	M; V	11-12	Full Year
911GI / 913GI	Health Sciences I & II (Wyandotte Hospital)	M; V	11-12	Full Year
350RV / 352RV	Heating, Ventilation & Cooling I & II	M; V	11-12	Full Year
356TN/ 358TN	Horticulture I & II	M; V	11 - 12	Full Year
660SG	JROTC	V	11 - 12	Full Year
550HU	Manufacturing Engineering & CNC Technology	M; V	11-12	Full Year
750GB & 752GB	Marketing I & II	V	11-12	Full Year
550HF	Mechatronics	M; V	11-12	Full Year
190FR / 192FR	Welding & Fabrication I & II	M; V	11-12	Full Year

To view the program description from DCTC, please click the course name above.

DOWNRIVER CAREER TECHNICAL CONSORTIUM

Eleventh and twelfth grade students enrolled in any of the nine DCTC districts can take any career and technical education program offered by any of the nine-member high schools. Transportation is provided to all programs, unless otherwise noted in the program description. All programs, unless otherwise noted, are two-year programs intended to be started at the beginning of the junior year and completed during the senior year. Many of our programs allow students to earn college credit while still in high school through articulation agreements with local colleges.

Please note that some courses may provide students with a 4th year math credit and a VPAA credit. These courses will be identified by the following codes:

M – 4th year math credit **V** – Visual or performing arts credit

RCHS is proud to promote STEM education

The acronym STEM stands for Science, Technology, Engineering, and Mathematics. It is the process of teaching that integrates these four disciplines to promote real-world experience, teamwork, and the authentic application of technology. Additionally, it promotes discovery, problem-based learning, and project-based learning. STEM is supported by the National Science Foundation and the U.S. Department of Education. As we continue to expand our curriculum, our current classes, as well as newly created ones, will better prepare our students for careers in these crucial areas.

Agriscience I (Zoology)

Grades 11-12 – Full Year
Airport
120AT

This class includes a study of domesticated and wild animals. Areas of study include; breed and species origins, systems, nutrition, genetics, disease, use, and current animal issues such as animal rights and welfare. Students will have animal labs (including dissection) and activities to help them understand the animals' body and behaviors. This course will make students aware of career opportunities in the areas of animal science and production.

FFA participation is mandatory and the course has been designed for those students who want a true agriscience experience. FFA participation will develop leadership, cooperation, career, and personal skills which are vital in today's world.

Agriscience II (Botany)

Grades 12 – Full year
Airport
122AT

This course will focus on plant parts, function, use, classification and specific forms of plant production. Practical applications in forestry, landscaping, greenhouse production, pesticides, conservation and crop production will illustrate the need and use for plants in our society and environment. Major Natural Resource topics of study include: wildlife, forestry, soil, air, water, minerals and energy sources. This course will make students aware of career opportunities in the areas of plant science and production, natural resources and conservation. Agricultural Business and marketing will also be explored.

FFA participation is mandatory and course has been designed for those students who want a true Agriscience experience. FFA participation will develop leadership, cooperation, career, and personal skills which are vital in today's world.

Architectural Drafting & CAD I

Grades 11-12 – Full Year
Airport
810AT - V

Prerequisite: Successful completion of math class

Students learn to use traditional drafting tools and the latest computer-aided design (CAD) software to create floor plans, elevations, foundation plans, site plans, pictorials, sections, and details. The curriculum complies with the Michigan Drafting & Design Segments: safety, drawing and classroom procedures, geometric construction, orthographic views, dimensioning & and tolerancing, sections, pictorial drawings, fasteners, residential architecture, descriptive geometry, 3D parametric drawing, leadership and employability skills, assembly and working drawings.

Architectural Drafting & CAD II

Grade 12 – Full Year
Airport – M; V
812AT

Prerequisite: Grade of "C" or better in Drafting I and instructor approval

The advanced section will continue to improve on studies learned in Drafting I.

Auto Body Collision Repair I

Grade 11 – Full Year
Huron – V
210HU

NATEF Certified
Prerequisite: Metal/woods class, if available, and instructor and counselor approval.

This course is designed for students interested in collision repair as a career choice. The course utilizes the I-car Live Curriculum, which will emphasize skills for entry level jobs, including safety, basic repair techniques, paint safety, undercoat and topcoat systems, HVLP spray gun technology, estimating, and vehicle detailing. The instructor and program are ASE/NATEF certified.

Auto Body Collision Repair II

Grade 12 – Full Year
Huron – V
212HU

NATEF Certified
Prerequisite: A grade "C" or better in Auto Collision I and approval of instructor and counselor.

When a student returns to the Auto collision program, the assumption is made that he or she is very serious about entering the auto body trade as a career. It is, therefore, extremely important that these students work especially hard to gain the skills that will make them competitive. All returning students must review and pass all safety tests. Second-year students will receive training in the basics of refinishing automobiles.

Automotive Technology I

Grade 11 – 3 Credits
Huron ~ Airport – V
220HU ~ 220AT

NATEF Certified
Prerequisites: C or better in Math & Physical Science

This course is designed to provide students with the fundamental concepts of automotive service technology. Students will learn the basic skills necessary to understand and repair today's high-tech vehicles. Major systems operations and repairs are covered. The instructor is ASE certified.

Automotive Technology II

Grade 12 – Full Year
Huron ~ Airport – M; V
222HU ~ 222AT

NATEF Certified
Prerequisites: A grade of "C" or better in Automotive Service Technology I and instructor and counselor approval.

The advanced section will continue to improve on studies learned in Auto Service I. More advanced work and concepts are covered with engine performance systems, advanced diagnostic systems, chassis system operation and repairs.

Aviation Technology I

Grades 11-12 – Full Year
WCCCD – Northline Campus – V
310GI

FAA Accredited
Prerequisite: Counselor approval. Algebra and/or related math are required. Good attendance and overall grades are examined. Students must be interviewed by MIAT personnel who will determine admission. Students must provide their own transportation to this program.

This course is designed to give the student the opportunity to learn valuable technical skills while in an aviation-based environment. First year aviation students will learn about the necessary building blocks such as: Aircraft Drawings, Tools, Ground Operations, Safety, Federal Aviation Regulations, Weight and Balance, Basic Electricity, Fire Protection, and Fuel Systems.

Aviation Technology II

Grade 12 – Full Year
MIAT – Canton – M
312GI

FAA Accredited
Prerequisite: A grade of "C" or better in Aviation Technology I and instructor and counselor approval.

Second year students learn about the different power plants (Reciprocating Engines and Turbine Engines) used in aviation, how they work, how they are made and how to maintain and troubleshoot them. While working toward their FAA certification, students spend three hours per day in a classroom/lab environment learning how aircraft are built and maintained. Students earn college transferable credits accepted by several universities. After they graduate, students are eligible to take their FAA exams to become certified Aircraft Maintenance Technicians.

Avionics Electronics Technology I

Grade 11 – Full Year
MIAT – Canton – V
320FR

FAA Accredited
Prerequisite: Counselor approval. Algebra and/or related math are required. Good attendance and overall grades are examined. Students must be interviewed by MIAT personnel who will determine admission. Students must provide their own transportation to this program.

This course will take the student through an advanced airframe electrical course and will prepare the student to test for multiple certificates in electronics.

Avionics Electronics Technology II

Grade 12 – Full Year
MIAT – Canton – M
322FR

FAA Accredited
Prerequisite: A grade of "C" or better in Avionics Electronics Technology I and instructor and counselor approval.

This course is a continuation of Avionics Electronics Technology I. Upon completion, students are prepared for certificates in radio & electrical recognized by the aviation industry. After graduation, students are eligible to apply for licensing by the FAA as a certified powerplant technician.

Cabinetry and Woodworking I

Grade 11 – Full Year
Trenton - V
730TN

Cabinet & Furniture Making I provides entry-level and upgrade training in cabinet/furniture construction and provides students with a broad-based set of skills that is required by the wood products manufacturing industry and that is directly transferable to the manufacturing sector in general. The program also includes state of the art CNC router and cabinetmaking equipment where students will learn how to operate machines to perform the necessary tasks safely and efficiently with a high degree of quality. This course stresses safety as the number one requirement to proper machine operation. The student is provided with training in cabinet and furniture construction skills for making traditional face frame cabinet systems.

Cabinetry and Woodworking II

Grade 12 – Full Year
Trenton – M; V
732TN

Prerequisite: A grade of "C" or better in Cabinet and Furniture Making I and instructor approval

In Cabinet and Furniture Making II students will have laboratory experience using high performance woodworking machines, do individual machine set-ups, and produce high quality work. Students will be prepared for direct entry into the wood products.

Computer Information Tech I & II

Grade 11-12 – Full Year
Airport – M; V
560AT

Prerequisites: Junior status and on-course to graduate (seniors may be admitted on a space available basis); GPA of 2.0 or higher in core classes; attendance history meets the standard of the sending school district.

An Integrated Skills for the 21st Century course offered by the Downriver Career Technical Consortium in partnership with Schoolcraft College

IT: Computer Information System Administration is a two-year DCTC program. By the completion of the two-year program, students will have a Computer Information Systems Introductory Certificate and 28 credits towards an Associate's Degree at Schoolcraft College. This program prepares the student for entry level positions supporting users of microcomputer components of the operating system. The Computer Information Systems Introductory Certificate introduces students to the operating system and concepts surrounding programming logic. It is predicted that Information Technology jobs will be in high demand in Southeast Michigan. This program will be located at Airport High School.

Construction Trades I

Grades 11-12 – Full Year
Carlson – V
710GB

Prerequisite: Students should have a good math foundation and comfortable using measurements.

This course provides entry level and upgraded training in the Masonry, Carpentry, Welding, Plumbing, and Electrical trades. This course introduces the student to basic technical skills that are common to all construction trades including safety in the workplace, measuring and construction math, hand and power tool usage, blueprint reading, working as an individual, working in a group, and the importance of having a good work ethic.

Construction Trades II

Grades 11-12 – Full Year
Carlson – M; V
712GB

Prerequisite: Instructor approval is required for Construction Trades II.

Construction Trades II students will have the opportunity to perform real world activities in the local community and in the Southgate School District. Emphasis will be on the students obtaining the ability to perform basic work skills safely.

Cosmetology I

Riverview School of Cosmetology

Grades 11-12 – Full Year
Riverview – V
990WH

Prerequisite: Mandatory orientation for parents and students

This program prepares the student for the field of cosmetology with theory and practical settings led by licensed cosmetology instructors. This program requires a commitment to maintain a 90% or higher in attendance and a GPA of 75% or higher with support from parent(s) and/or guardian(s). Preparing the students to become proficient in the basic understanding of cosmetology and cosmetology related business while working on soft skills such as customer service and sales. Attendance through the summer months may be necessary to achieve the goal of 750 hours, or half of the 1500 hours required to sit for the state board licensing exam. Students are able to use the DCTC bus hub for transportation to Riverview School of Cosmetology. *Students must be able to provide their own transportation from their program on weekdays*. Students are also required to provide their own transportation to and from their program on Saturdays when scheduled. Transportation is not provided through the summer months. It is highly encouraged to plan any school time missed during scheduled breaks.

Cosmetology II

Riverview School of Cosmetology

Grade 12 – Full Year
Riverview – M; V
992WH

Prerequisite: Mandatory orientation for parents and students. A grade of "C" or better in Cosmetology I

The second-year program builds on the foundational concepts learned from year one, and add a more creative approach to the standard. Final preparations begin to get the students ready to take their state board licensing exam with classes specifically designed to create a mock state board experience. Preparing our students to become successful salon and beauty professionals by introducing them to local salons and other career avenue options. Attendance through the summer months may be necessary to achieve the goal of the additional 750 hours, or grand total of 1500 hours required to sit for the state board licensing exam. Students are able to use the DCTC bus hub for transportation to Riverview School of Cosmetology. *Students must be able to provide their own transportation from their program on weekdays.* Transportation is not provided through the summer months. It is highly encouraged to plan any school time missed during scheduled breaks.

Criminal Justice I & II

Grades 11-12 - Full Year
WCCCD – Northline Campus
931TN

Prerequisite: C or better in Algebra I and in Biology; application and interview required; health appraisal required; and criminal background check and drug screen required.

The core of CJ provides an overview of the criminal justice system in the United States. Topics surveyed are the history of law enforcement; the political, sociological, and philosophic background of police function; and criminal courts. Constitutional problems as they relate to the police function are surveyed, and the use of recent technology in criminal justice is discussed. Advanced students will continue to learn about the field of criminal justice.

Cyber Security I & II

Grades 11-12 - Full Year
Henry Ford College – M; V
Dual Enrollment
937GB – 939GB

This two-year CTE program is comprised of a series of courses offered through Henry Ford College in conjunction with Riverview HS in a Dual Enrollment opportunity.

The courses offer a mid-level understanding of the technological needs, threats, and vulnerabilities of hardware, software, operating systems, networks and the Internet. Students will examine operating systems, networks, tools and protocols needed to navigate, use, and manage security technologies as well as gain insight into the legal, social, and political dynamics of the cyber universe. Designed for students interested in cyber defense or IT professionals seeking a fundamental understanding of cybersecurity. Student will earn up to 19 college credits and a Cybersecurity Certification upon completion.

Students will learn to write UNIX shell scripts and manipulate the UNIX operating system, along with an introduction to other language. They will recognize networks, operating systems and analyze the security requirements for cybersecurity. Additionally, they will learn to defend systems against unauthorized access using various tools (KALI, NMAP, SNORT, Wireshark, etc..) and learn to restrict access through privilege assignment, and control structures.

This class will be hosted at the Michigan Technical Education Center of Henry Ford College. Attendance history must meet the standard of the sending school district along with those of Henry Ford College. Applications for enrollment are available from your counselors. Students must provide their own transportation to Henry Ford or a central bus hub location.

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Dental Occupations I

Grade 11 – Full Year
Woodhaven – V
920WH

Prerequisite: Keyboarding, biology, speech, and computer application experience recommended

This course is designed for students with an interest in dentistry. Students will explore the dental occupations of Dental Assisting, Dental Hygiene, Dental Laboratory Technician, Dentistry, Dental Sales and Secretarial Dental Assisting. The students will receive knowledge of dental instruments, work with dental materials and work with dental lab materials. The standards for OSHA infection control procedures and blood-borne pathogens will be taught.

Dental Occupations II

Grade 12 – Full Year
Woodhaven – M; V
922WH

Prerequisite: A grade of "C" or better in Dental Occupations I and instructor approval.

Dental II is a continuation of Dental I with a concentration in radiography techniques, secretarial dental assisting skills, dental specialties and laboratory procedures. Upon completion the student should be prepared for an entry level position in Dental Assisting and have the necessary skills to continue their education in the dental field.

Digital Media/Radio & TV I

Grade 11 – Full Year
Gibraltar – V
950GB

This program combines state of the art Apple workstations, HD cameras, green screen, and a complete up-to-date studio to help students learn the latest in video and media production. Students will learn editing shooting, graphics and audio to produce custom multi-media projects. Students will learn how to post videos on the web.

Digital Media/Radio & TV II

Grade 12 – Full Year
Gibraltar – V
952GB

Prerequisite: C or better in Digital Media and Video Productions I.

Second-year students will study advanced techniques and styles in television production. Emphasis on digital cameras and digital editing will be included. Students will do projects such as a short movie as a group and individually. DVD creation and Adobe Production Suite will be touched upon along with DVD Studio Pro and Soundtrack Pro.

Educational Careers I

Grades 11-12 – Full Year
Grosse Ile – V
850GI

Prerequisite: Mandatory orientation; immunization records; physical examination; criminal background check.

This course is designed to teach about the field of education from preschool through high school. Students learn how children grow and develop from birth through adolescence, learning styles, discipline, and creating lesson plans. Observations are made in various settings including preschool, elementary school, middle school, high school, and a special education facility. In the spring, students are placed in classrooms for field experience.

Educational Careers II

Grade 12 – Full Year
Grosse Ile – M; V
852GI

Prerequisite: C or better in Intro to Education and instructor approval

Advanced students will continue to learn about the field of education through observation and field experience.

Electrical Engineering Tech I & II

Grades 11-12 - Full Year
Henry Ford College – M; V
Dual Enrollment
353GI/ 355GI

Note: This is a two-year Dual Enrollment Program offered through Henry Ford College, supported by DCTC and Grosse Ile High School.

Prerequisite: Completed application from DCTC website Students will earn approximately 25 college credits in the program.

Students are required to follow the Henry Ford College schedule for classes. Transportation for the first year is provided from a participating DCTC school to HFC. Second year students are required to provide their own transportation.
Electrical Engineering Technology is a two-year course that combines both principles and skills from electrical and electronics used in our modern world. Through a combination of classroom and intense laboratory exposure, students are prepared for entry into a range of career opportunities in manufacturing, healthcare, telecommunications, and many other electrical and electronics-related careers.
The program covers the basic principles of electricity and proceeds to the concepts of solid-state components such as diodes, transistors, integrated circuits, and microprocessor systems. Advanced courses show how these fundamental principles are applied to machine control, computers, power supplies, amplifiers, oscillators, industrial control, and instrumentation systems. Courses simulate actual working conditions in fully-equipped laboratories where students put electrical-electronics theory into practice. Along with laboratory experiences setting up circuits, troubleshooting, and calibrating systems, computer-simulated circuit analysis is used in the majority of the courses. Successful completers of the program will receive an electrical engineering technology Certificate. This may then be used either for job placement or to further their education at either Henry Ford in the completion of their Associates degree in one year or to transfer to another college.

Engineering Design I & II

Grade 11 – Full Year
Flat Rock – V
820FR

Prerequisite: Successful completion of math class

This course is designed for students learning industry standards using the manual drafting board. The students then learn how to use AutoCAD to create 2D drawings.

Engineering Design I & II

Grade 12 – Full Year
Flat Rock – M; V
822FR

Prerequisite: A grade of "C" or better in Drafting and instructor approval.

Advanced level students learn to create 3D drawings using AutoCAD, Inventor, and Solid-Works (all software is updated regularly to stay current with industry and colleges.) After becoming proficient with this software, the students are then able to go on to create 3D animation using 3ds Max.

Fire Training Institute

Grades 12
Schoolcraft College –
112FIRE ~ 119FIRE

This dual enrollment opportunity offers credit hours that can be applied to an Associate of Science Degree in Fire Technology. The completion of the two 15-weeks courses is the equivalent of the Fire Academy and is offered for students who prefer to attend on a part-time basis. Students will be sponsored by a local fire department.

Fire Fighter I

This course introduces basic fire suppression techniques, fire prevention procedures, and skill development.

Fire Fighter 2

Prerequisite: Fire Fighter 1 with a grade of 2.0 or higher

This course introduces advanced fire suppression techniques, fire prevention procedures and skill development.

Graphic Communications I

Grade 11 – Full Year
Woodhaven – V
250WH

Students are introduced to the software, Adobe SC5, which is the current industry standard. In this class, students design and produce multi colored T-Shirts both by screen printing and one of the most current Printing methods, Dye-Sublimation. Other Dye-Sublimation projects include mugs, license plates, key chains, and mouse pads.

Graphic Communications II

Grade 12 – Full Year
Woodhaven – M; V
252WH

Prerequisite: A "C "or better in Graphic Communications I and instructor approval.

Advanced students are expected to increase proficiency in the various software applications. Advanced techniques and project development are presented. Students are introduced to basic web design and publishing, and animation techniques. Advanced projects include CD/DVD cover layout and design, website development and publishing, and introduction to Flash Animation.

Health Sciences I

Grade 11 – Full Year
Grosse Ile – V
910GI

Students will learn skills including infection control practices, safety, Cardio Pulmonary Resuscitation (CPR), first aid, blood pressure, pulse, and respiration monitoring. An exam is given at the end of Health Occupations I for students that have a C or better. If the student passes the exam with a 70% or better, they receive a National Health Science Consortium certificate. Explorations include job shadowing at Henry Ford Wyandotte Hospital, a visit to a simulation laboratory at Mercy St. Vincent Medical Center Toledo, and to the University of Toledo/Medical College of Ohio Gross Anatomy Laboratory.

Health Sciences II

Grade 12 – Full Year
Grosse Ile – M; V
912GI

In Health Occupations II, anatomy and physiology, medical terminology, nurse's aide training, and an exposure experience in the field of their choosing are completed. At the end of Health Occupations II, students passing the exam and getting a C in the course can receive college articulation credit. Also, if the student successfully completes the Nurse's Aide curriculum with an 80% or better, they can take the Registry Exam which allows them to work in a medical facility and gains them additional college credit opportunities.

Health Sciences I

Grades 11 – 12 – Full Year
Flat Rock – V
910FR

Prerequisite: C or better in math and science courses; physical examination; immunization record; orientation required; and criminal background check.

Students will learn skills including infection control practices, safety, Cardio Pulmonary Resuscitation (CPR), first aid, blood pressure, pulse, and respiration monitoring. An exam is given at the end of Health Occupations I for students that have a C or better. If the student passes the exam with a 70% or better, they receive a National Health Science Consortium certificate. Explorations include job shadowing at Henry Ford Wyandotte Hospital, a visit to a simulation laboratory at Mercy St. Vincent Medical Center Toledo, and to the University of Toledo/Medical College of Ohio Gross Anatomy Laboratory.

Health Sciences II – Pharmacy Tech

Grades 11-12 – Full Year
Flat Rock – M
912FR

Prerequisite: C or better in Health Occupations I and instructor approval.

In Health Occupations II, anatomy and physiology, medical terminology, pharmacy technician and exposure to other fields in health care are explored. At the end of Health Occupations II, students passing the exam and getting a C in the course can receive college articulation credit. Also, if the student successfully completes the Pharmacy Technician curriculum with a 75% or better, they can take the State certification exam which allows them to work in a pharmacy related facility and gain additional experience in the field.

Health Sciences I

Grade 11 – Full Year
Wyandotte Hospital – V
911GI

Prerequisite: C or better in Algebra I and Biology; physical examination; immunization record; criminal background check; student must provide own transportation.

The first year provides an introduction to health careers. Students will learn anatomy and physiology, diseases and disorders, body systems, medical terminology and abbreviations. The course includes foundation standards, first aid, CPR, infection control, safety training Universal Precautions.

Health Sciences II

Grade 12 – Full Year
Wyandotte Hospital – M; V
913GI

Prerequisite: Completion of Health Occupations I; application; references; one-page paper of interest; instructor recommendation.

Students get practical work experience and build confidence as they blend science and technology with caring and compassion. They will experience different health care settings, learn the profession and what is done on a daily basis and decide which area is right for them. Through this rewarding process, they will work with patients before entering the field. Students will have completed 360 hours volunteering to help their resume stand out or to provide a boost in the college application process.

Heating, Ventilation & Cooling I

Grades 11-12 – 3 Credits
Henry Ford College – V
Dual Enrollment
350RV

This two-year CTE program is comprised of a series of courses offered through Henry Ford College in conjunction with Riverview HS in a Dual Enrollment opportunity.

The courses offered present an overall study of the principles of energy production and its uses. Course work provides students who are successful with a well-rounded background in the principles of measurement, conservation, operation and repair of residential/commercial heating, and air conditioning and refrigeration equipment. Students will utilize standard safety procedures, troubleshoot electrical systems, interpret diagrams relevant to the HVAC-R industry, perform preventative maintenance, demonstrate effective project management skills, and design and select equipment for HVAC-R systems. Courses in Year One include: Energy Technology, AC/DC Elec, Heating Technology, Refrigeration, Sheet Metal Fab, and Heating & Cooling Codes.

Heating, Ventilation & Cooling II

Grade 12 – 3 Credits
Henry Ford College – M; V
Dual Enrollment
352RV

This two-year CTE program is comprised of a series of courses offered through Henry Ford College in conjunction with Riverview HS in a Dual Enrollment opportunity.

The courses offered present an overall study of the principles of energy production and its uses. Course work provides students who are successful with a well-rounded background in the principles of measurement, conservation, operation and repair of residential/commercial heating, and air conditioning and refrigeration equipment. Students will utilize standard safety procedures, troubleshoot electrical systems, interpret diagrams relevant to the HVAC-R industry, perform preventative maintenance, demonstrate effective project management skills, and design and select equipment for HVAC-R systems. Courses in Year Two include: HVAC Installation, Refrigeration Technology, Air Conditioning Technology, Blue Print Reading, Steam/Hot Water Systems.

Horticulture

Grade 12 – Full Year
Trenton – M; V
356TN/ 358TN

Prerequisite: Instructor or counselor approval
This course is designed to prepare students for either a job in the industry or continuing education in the horticulture field.

In order to achieve this there are both hands-on aspects as well as instruction on the three main topics: plant biology, greenhouse management and landscape design. For the industry aspect some of the things students will be required to do is: identify a variety of plants (both in the greenhouse, agricultural and landscape), plant and maintain a variety of plants in the greenhouse, get knowledge to obtain a license on pesticides, fertilizers, small equipment, etc., creating and implementing landscape plans, maintaining the grounds around the school and involvement in the plant sale at the end of the school year.
Students will understand how plants grow, move nutrients around and reproduce. Students will conduct laboratory experiments on providing the best growing environment for plants. Explore how horticulture can feed the world. Students will study the science behind plant propagation and horticulture relationship to human health.

JROTC I & II

Grades 11-12 – Full Year
Southgate – V
660SG

Prerequisite: Ability to perform required physical fitness activities and junior status preferred

JROTC is a program designed to motivate young people to become better citizens. The program of instruction helps today's students develop goal setting and communication skills as well as leadership skills in preparation for the postsecondary environment. The JROTC curriculum know as Leadership Education and Training (LET) is a developmental program instructed within the framework of military organization and discipline. Physical fitness is a required activity as well as drill and ceremony (marching).

Manufacturing Engineering & CNC Technology I & II

Grades 11-12 – Full Year
Huron/HFC– M; V
Dual Enrollment
550HU ~ 552NH

This program provides students with the opportunity to obtain skills with Computer Numerical Controlled equipment as part of an Engineering curriculum. Students enrolled in the program will receive training on the latest equipment used in the modern manufacturing environment at Henry Ford College. Student will earn up to 18 college credits and a CNC Certification upon program completion.

Students will learn on HAAS Computer Numerical Control lathes, mills, along with a wide variety of manual machine tools. Heat treating, harness testing, quality control techniques utilizing Coordinates Measuring Machines and Statistical Process Control will be introduced.

The courses required will be in-line with the Henry Ford MAT2 program offerings which greatly improve a student's employability opportunities. The classes can be used as a building block toward an Associate in Applied Science degree.

Interested and qualified students may have an opportunity to spend a one-semester paid internship with local area employers for on-the-job training aligned to the curriculum.

This class will be hosted at the Michigan Technical Education Center of Henry Ford College. Attendance history must meet the standard of the sending school district along with those of Henry Ford College. Applications for enrollment are available from your counselors. Students must provide their own transportation to Henry Ford or a central bus hub location.

Marketing I

Grade 11 – Full Year
Gibraltar – V
750GB

Marketing A explores the fundamentals of marketing, economics as it relates to business, the role of marketing in business and society, and basic promotional concepts. Marketing B looks more closely at visual merchandising and displays, advertising media, and print advertisements. Other areas of study include the selling process, price planning and strategies, distribution and inventory control. Marketing C is designed for students with an entrepreneurial spirit. Students study product service planning concepts such as designing products, branding, packaging, and labeling.

Marketing II

Grade 12 – Full Year
Gibraltar – V
752GB

Prerequisite: C or better in Marketing I and instructor approval.

Advanced students will continue to improve on studies learned in Marketing I.

Mechatronics I & II

Grade 11-12 – Full Year
Flat Rock Auto Plant – M; V
550HF

Prerequisites: Junior status and on-course to graduate (seniors may be admitted on a space available basis.); GPA of 2.0 or higher in core classes; attendance history meets the standard of the sending school district; additional prerequisites may be required by Henry Ford College.

An Integrated Skills for the 21st Century course offered by the Downriver Career Technical Consortium in partnership with Henry Ford College, the Ford Motor Company Flat Rock Assembly Plant, and UAW Local 3000.

Mechatronics is a two-year program that combines both principles and skills from several areas vital to modern day manufacturing. Electrical, Mechanical, Fluid (Hydraulics and Pneumatics), Computer Control and Automation/Robotics systems are included in Mechatronics. Through a combination of classroom and intense laboratory exposures, students are prepared for entry into a range of career opportunities throughout the manufacturing, healthcare, architecture and other sectors of the economy.
In cooperation with Henry Ford College, the successful Mechatronics student will finish high school having completed 29 hours of undergraduate credit. Should a student choose, they may complete an Associate's Degree at HFC within one year of high school graduation. Pathways to apprenticeships will also be available to those who qualify.

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Welding & Fabrication I

Grade 11 – Full Year
Flat Rock – V
190FR

Students will learn Mig, Tig, Arc, and gas welding and will also have an opportunity to participate in different welding competitions.

Welding & Fabrication II

Grade 12 – Full Year
Flat Rock – M; V
192FR

Prerequisite: C or better in Welding I and instructor approval.

Advanced students will continue to improve on studies learned in Welding I.

Work Study

Grades 11-12 – Full Year
8500

Work Study is a class that allows students to gain credit for their real-world job experiences. This option is only available to Juniors and Seniors who already have a part-time job. In order to be approved for Work Study credit, students need to complete an application. The application includes a section for the student's employer to complete and sign. Students must also complete the Career Pathways portion of Xello, print it and attach it to their application. Their career goals must align with their job description. Students must also be currently enrolled or successfully completed a class directly related to their Work Study job duties.

Once approved, the student is responsible for turning in a signed printout of their timesheet ever week. Students must work a minimum of 15 hours and no more than 24 hours per week. Students will not earn credit if there is not a timesheet submitted every week and will be responsible for any credit recovery needed to meet their graduation requirements.

ARRGH

Academics

Responsibility

Respect

Growth

Honor

VISION

RCHS staff will impart knowledge to graduate lifelong learners who will be productive in a global society.

BELIEFS

- Students learn best when they are actively engaged in the learning process.
- A successful student links new information with existing knowledge in a meaningful way.
- Students learn best when our staff maintains high expectations for learning.
- A successful student creates and uses a variety of thinking and reasoning strategies.
- Curriculum needs to incorporate a variety of learning activities to accommodate differences in student learning.