

# RIVERVIEW COMMUNITY HIGH SCHOOL



## Course Selection Guide *2026-2027 Edition*





**Riverview Community High School Administration**

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Dear Parents, Guardians, and Students,

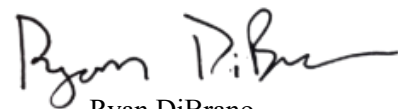
Welcome to Riverview High School's Course Selection Guide for the upcoming school year! Our faculty and administration have thoughtfully prepared this guide to support students and families in planning for both academic success and future career goals. Inside, you'll find detailed course descriptions, graduation requirements, career pathway options, college and career planning resources, and other helpful information designed to guide you through the decision-making process.

Each year, choosing your courses is one of the most important steps you'll take in shaping your high school experience — and your future beyond it. Thoughtful choices now can open doors to exciting opportunities later. We encourage you to explore this guide carefully and take full advantage of the resources available to you. Your guidance counselor is here to help every step of the way. Please don't hesitate to reach out with questions or for personalized advice as you navigate your options.

Warm regards,



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Ryan DiBranco  
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## Diploma Requirements

4 Years	English Language Arts	Students must complete English 9–12 to meet Michigan Merit Curriculum requirements. <b>Additionally, all seniors are required to participate in Senior Portfolio Night.</b>									
4 Years	Mathematics	Students must complete Algebra I, Geometry, and Algebra II, plus either Senior Math or two additional math-related courses. <b>Seniors must take at least one math class</b>									
3 Years	Science	Students must complete Biology, one course in Chemistry, Physics, or Anatomy & Physiology, plus one additional science credit to graduate.									
3 Years	Social Studies	Students must complete American History, World History, Government, and Economics to meet Michigan Merit Curriculum graduation requirements.									
2 Terms	Physical Education and Health	Students must complete Physical Education and Health to meet Michigan Merit Curriculum graduation requirements.									
2 Terms	Visual Performing Applied Arts	Students must complete one course in Art, Music, Theatre, Career & Technical Education (CTE), or another approved VPAA credit.									
1 Year	Foreign Language	Students must complete all foreign language credits in a single language to meet Michigan Merit Curriculum requirements.									
1 Year OR 2 Terms	Foreign Language OR VPAA	Students must complete a total of 3 years of coursework through a combination of Foreign Language and Visual, Performing, and Applied Arts (VPAA) <ul style="list-style-type: none"> <li>• 3 years of Foreign Language</li> <li>• 3 years of VPAA Combination of Foreign Language and VPAA courses totalling 3 years</li> </ul>									
1 Term Senior Year	Financial Literacy	<p style="text-align: center;"><b>Beginning with the Class of 2028</b></p> <p>Students must successfully complete the standards in one of the following courses:</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">★ Financial Literacy</td> <td style="text-align: center;">★ Accounting</td> <td style="text-align: center;">★ Pre-Calculus</td> </tr> <tr> <td style="text-align: center;">★ Business &amp; Personal Finance</td> <td style="text-align: center;">★ Calculus</td> <td style="text-align: center;">★ AP Statistics</td> </tr> <tr> <td colspan="3" style="text-align: center;">★ Business Administration, Management &amp; Operations</td> </tr> </table> <p>Exceptions may apply to students in Career and Technical Education (CTE) or Early Middle College/Early Direct Enrollment (EDE) programs.</p>	★ Financial Literacy	★ Accounting	★ Pre-Calculus	★ Business & Personal Finance	★ Calculus	★ AP Statistics	★ Business Administration, Management & Operations		
★ Financial Literacy	★ Accounting	★ Pre-Calculus									
★ Business & Personal Finance	★ Calculus	★ AP Statistics									
★ Business Administration, Management & Operations											

*Students who transfer into the district are eligible to graduate provided they have met all district graduation requirements. This policy intends to allow students who transfer into or out of the district during their senior year to transfer their accumulated credits and graduate, provided the former high school is in agreement. However, a student who transfers into the district during their senior year is not eligible for graduation honors.*

## Graduation Requirements

To graduate and participate in commencement and other graduation activities, students must meet the following requirements:

- Complete all standards outlined in the **Michigan Merit Curriculum (MMC)**.
- Complete the **Michigan Merit Exam (MME)** or an equivalent state-approved assessment during their four years of high school attendance.
- Completed a **FAFSA application**

These requirements ensure that every student demonstrates proficiency in the core academic areas established by the State of Michigan and is fully prepared for postsecondary opportunities.

## 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 Honors



- 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 calculated after the second trimester of the senior year.*

## Honors Courses

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
	AP Physics I
	Honors Chemistry (T3), Honors Physics (T3)
Math	AP Statistics, Calculus
	Precalculus 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 opportunities:

### Academic Consortium

The Downriver Career Technical Consortium (DCTC) has established an academic consortium for students in the nine participating school districts. The purpose of the consortium is to expand access to high-level coursework, including Advanced Placement, world languages, fine arts, and other unique course offerings. Juniors and seniors from the participating high schools are eligible to enroll in consortium classes.

### Dual Enrollment Credit

Students who complete a course offered by a Michigan postsecondary institution may receive high school credit and/or college credit, provided all dual enrollment guidelines are met.

### Dual Enrollment Notice of Eligibility

Public Act 160 (1996) and Public Act 258 (2000), known as the Postsecondary Enrollment Options Act, require school districts to support students with tuition and fees for approved courses at eligible Michigan public or private colleges and universities. Below are the primary eligibility guidelines:

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.
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 the 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 are 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, the 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. The student must notify their counselor if a dual enrollment class has been dropped.

### **Credit Awarding**

- Students earn ½ high school credit for every 3 (or more) college semester credits.
- At enrollment, students must indicate whether the course will count for high school credit, college credit, or both.
- If the grade is reported on the high school transcript, it will be included in the student's GPA.
- An honor point is awarded for any dual enrollment course that is transferable to a four-year degree program.

### **Maximum Number of Dual Enrollment Courses Allowed Per Year**

		If Beginning in Grade 9	If Beginning in Grade 10	If Beginning in Grade 11	If Beginning in Grade 12
Current Grade	Grade 9	2	—	—	—
	Grade 10	2	2	—	—
	Grade 11	2	4	6*	—
	Grade 12	4	4	6*	6

*Based on the grade level at which the student begins dual enrollment*

◆ *Cannot exceed 10 courses over years 11 and 12 without written agreement by the post-secondary institution and RCSD*

## Dual Enrollment Process

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

## **Transportation**

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

## **Course Posting**

- College courses taken in spring → posted in 1st trimester
- College courses taken in fall → posted in 2nd trimester
- College courses taken in winter → posted in 3rd trimester

## **Eligible Institutions**

Eligible dual enrollment opportunities include state universities, community colleges, or independent nonprofit degree-granting colleges/universities located in Michigan that comply with dual enrollment requirements.

## **Repeating Courses**

- **Required Courses:** Students who fail a required class must retake it and earn a passing grade to meet graduation requirements. A retaken class that earns a passing grade will have the former failing grade (E) changed to H and excluded from the cumulative GPA.
- **Optional Retakes:** Students may retake a class to improve understanding or grades. The improved grade will be included in the transcript and cumulative GPA. The former grade will be recorded as CR (credit, not included in GPA). If the new grade is lower, both grades remain on the transcript.

## Test-Out Provision

Riverview Community High School shall grant high school credit for any course to a student who is enrolled in the school but not in the class, provided the student demonstrates a reasonable level of mastery of the course content. Mastery may be shown by achieving a grade of **C+ (77%)** or higher on a summative exam, or by demonstrating proficiency through the course's designated assessment as outlined in the district syllabus, which may include a **portfolio, performance, paper, project, presentation, or final exam**. Credit earned in this manner will count toward fulfilling the requirements for the subject area and for any applicable course sequence. Such credit will be recorded as a **"Pass" (CR)** and will not be included in the student's grade point average.

## Credit

- Test-out credit counts toward graduation requirements and course sequences.
- Test-out credit is recorded as **Pass (CR)** and **does not affect GPA**.

## Test-Out Guidelines and Procedures

1. Students must apply for a test-out opportunity via the RCHS counseling department.
2. Application deadline: *Friday before Memorial Day weekend* each year.
  - a. Each student has **one** opportunity per course.
3. Test-out results are recorded as **CR** on the transcript.
4. Test-outs are scheduled *one day during the last week of August*.
5. Course textbooks and outlines are available upon request for test preparation.
6. Major projects, portfolios, or research papers may be required as part of the test-out.
  - a. All RCHS required courses are available for test-out except state-required civics courses and English 12C.
  - b. Electives are not eligible.
7. For year-long courses, students must take **all exams** and achieve **C+ (77%)** or better on each.

## Admission to Universities

Admission requirements vary across universities and colleges, the Counseling Department strongly encourages all students to research the institutions they may be interested in attending. Different post-secondary schools may require specific high school courses as prerequisites. Exploring your options now will help you make informed decisions, choose the right college-preparatory classes, and set long-term academic and career goals.

## College Athletics

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



<https://www.ncsasports.org>



<https://play.mynaia.org>

## Career Pathways

According to the United States Bureau of Labor Statistics, there are more than 12,000 career options to consider. To help students navigate these options, careers are grouped into six pathways based on shared characteristics. Careers within each pathway often require similar interests, strengths, and competencies. Each pathway includes occupations spanning the full range of educational requirements, providing opportunities for students of all ability levels.

By identifying one or more pathways of interest, students can begin to connect school subjects with future career goals. Exploring these pathways helps students discover careers that align with their personal interests, skills, and abilities. Additionally, this exploration supports the creation of a personal educational development plan and guides students in selecting courses that are most relevant and beneficial to their long-term goals.



## Student Support

Students may request to meet with their counselor at any time by stopping by the counseling office or submitting a request directly through Schoology.

Parents may contact the Counseling Office directly by calling 734-285-7361 and using the following extensions:

Last Names <b>A-F</b>	Olga Tsipras - Ext. 2226
	otsipras@riverviewschools.com
Last Names <b>G-O</b>	Sarah Welniak - Ext. 2228
	swelniak@riverviewschools.com
Last Names <b>P-Z</b>	Kelly Nichols - Ext. 2227
	knichols@riverviewschools.com

Counseling Administrative Assistant	Kristin Cooper - Ext. 2225 kcooper@riverviewschools.com
Social Worker	Marci Heulitt - Ext. 2235 mheulitt@riverviewschools.com

Riverview High School is dedicated to promoting mental health awareness and prioritizing the well-being of all students. Any student experiencing emotional or social concerns is encouraged to seek support from 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



## How RCHS Counselors Support Student Success

### **RCHS counselors help support students achieve success in school by:**

- Promoting positive attitudes toward self, family, and community.
- Providing individual and group counseling to help students understand and appreciate their unique qualities and grow personally and socially.
- Supporting students in developing an individual academic success plan.
- Designing and delivering classroom guidance lessons that teach skills such as healthy decision-making, conflict resolution, and respect for others.
- Assisting students in connecting their school performance to future career opportunities.
- Collaborating with students, parents, administrators, and teachers to identify and remove barriers to student achievement.
- Empowering students to take control of their personal growth, quality of life, and satisfaction.
- Recognizing and endorsing special abilities, talents, and interests.
- Building strong, supportive relationships with students is essential to their success.
- Engaging the support and participation of school personnel, parents, guardians, outside agencies, and the wider community.

### **RCHS counselors support students in preparing for their future by:**

- Helping students develop personal awareness and explore career goals.
- Providing career planning and guidance to support preparation for post-secondary opportunities.
- Assisting students in developing communication and interpersonal skills to relate effectively with others.
- Delivering a comprehensive, developmental guidance program that benefits all students K–12.
- Supporting students in learning to thrive, work, and live successfully in today's society



*“What lies behind us and what lies before us are tiny matters compared to what lies within us”*

Ralph Waldo Emerson

## Four-Year Calendar: Preparing for Post-Secondary Options

### FRESHMAN year

#### 9th

- Maintain a strong academic schedule
- Focus on college preparatory courses
- Practice consistent study habits to achieve good grades
- Research career opportunities
- Use Xello during fall and winter in English classrooms
- Get involved at RCHS
- Join clubs, sports, fine arts, leadership programs, and other activities
- Prepare for state assessments
- Take the Official PSAT 9 in April at RCHS
- Sign up for Khan Academy to strengthen your preparation
- Explore post-secondary options
- Research colleges and discuss future opportunities
- Consider volunteer work to gain experience and build your résumé
- Keep records of achievements
- Track activities, awards, and accomplishments
- Review and update your Xello timeline regularly

### SOPHOMORE year

#### 10th

- Maintain a strong academic schedule
- Enroll in accelerated or advanced classes in subjects where you excel
- Continue career exploration
- Use Xello assessments in English classrooms to research career pathways
- Explore Career-Technical Education (CTE)
- Attend the CTE Expo in early winter, hosted by DCTC (Downriver Career Technical Consortium)
- Research and visit colleges
- Begin attending college fairs and campus visits if you haven't already
- Prepare for state assessments: take the Official PSAT 10 in April at RCHS
- Engage in volunteer and community opportunities
- Build relationships through service and stay active in school clubs, extracurriculars, and community involvement
- Keep records updated
- Track activities, awards, and accomplishments
- Regularly update your Xello timeline

## Four-Year Calendar: Preparing for Post-Secondary Options (Continued)



### 11th

- Maintain a strong academic schedule
- Continue with accelerated or advanced classes in subjects where you excel
- Engage in college readiness activities
- Attend College Night in the fall and/or spring
- Meet with college representatives who visit Riverview Community High School
- Prepare for state and college entrance assessments
- Take the PSAT in October
- Take the MME in April, which includes:
  - College entrance exam (SAT)
  - Work-readiness assessment (WorkKeys)
- Re-take the SAT in April or June to improve your score
- Explore career and college options
- Continue research using Xello
- Visit college campuses during spring or summer
- Take advantage of virtual tours available on Xello
- Stay involved and develop leadership skills
- Participate in school clubs, extracurriculars, and community activities
- Seek opportunities to be a leader both on campus and in the community
- Build and maintain your record of success
- Keep track of activities, awards, and accomplishments
- Update your résumé regularly
- Prepare for transcript requests
- Create an account on Parchment.com to send transcripts to colleges

## Four-Year Calendar: Preparing for Post-Secondary Options (Continued)



### 12th

- College Preparatory Timeline
- 🍂 Fall
- Finalize your college search and career interests using Xello ([www.xello.com](http://www.xello.com)).
- Review senior materials in English classrooms for updates on admissions, scholarships, and important notices.
- Register for and take the ACT or SAT if you want to improve a previous score.
- Attend College Nights at various locations.
- Schedule campus visits — many colleges offer special fall visiting days for high school students.
- Meet with college, military, and trade school representatives who visit RCHS.
- Request letters of recommendation from teachers if required for applications.
- Apply online to your chosen colleges or participate in on-site admissions (goal: October 31).
- Use Parchment to submit transcripts to colleges.
- File the FAFSA online between October 1 – February 1.
- Research and apply for scholarships before deadlines.
- 
- ❄️ Winter
- Attend financial aid workshops offered in fall and winter.
- Apply for Hall of Fame Scholarships (starting in November, if applicable).
- Submit completed financial aid forms to the appropriate colleges/agencies.
- Continue researching and applying for scholarships before deadlines.
- Review your Student Aid Report (SAR) from each college where you submitted the FAFSA.
- 
- 🌸 Spring
- Stay strong academically — colleges expect consistent grades on your transcript.
- Apply for local scholarships in early March (forms available in the counseling office).
- Decide which college to attend and pay your deposit by May 1.
- Meet with college representatives for orientation dates, housing, financial aid, and scheduling.
- Notify colleges you do not plan to attend.
- Finalize preparations for Honors Night, Portfolio Night, and Graduation.



# *Table of Contents*

*Departments In Order As Listed*

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English Language Arts

Social Studies

Science

Mathematics

General Studies

World Language

Life Management Education

Business & Computer Technology

Physical Education

Fine Arts

Special Education

Career Technical Education (CTE)

SOME COURSES AT RIVERVIEW COMMUNITY HIGH SCHOOL ARE OFFERED BIENNIALLY

**ODD YEARS**

COURSES OFFERED IN SCHOOL YEARS THAT START IN AN ODD-NUMBERED CALENDAR YEAR (E.G., 2025–2026, 2027–2028)

**EVEN YEARS**

COURSES OFFERED IN SCHOOL YEARS THAT START IN AN EVEN-NUMBERED CALENDAR YEAR (E.G., 2024–2025, 2026–2027)

EXAMPLE: THE 2025–2026 SCHOOL YEAR BEGINS IN FALL 2025, WHICH IS AN ODD-NUMBERED YEAR.

# English Language Arts

Students must complete *four* years of English standards

## English Language Arts

Students must complete four years of English standards

Course #	Course Title		Grade	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 Literature & Composition 12	R; H	12	Full Year
1519	African American Literature	E	10-12	1 Trimester
1501	Reading	E	9-12	1 Trimester
1511-1512-1513*	Yearbook	E; V	10-12	Full Year
1541**	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
1567	Science Fiction	E	10-12	1 Trimester
1555*	Writer's Workshop	E	9-12	1 Trimester
1554	Creative Writing	E	10-12	1 Trimester
1556	Biography	E	11-12	1 Trimester
1557	Podcasting	E	11-12	1 Trimester
1515	AI Literacy	E	10-12	1 Trimester
1561	Greek Mythology	E; V	10-12	1 Trimester
1563**	Poetry	E; V	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

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

\*Repeatable for multiple credit \*\*Must take prerequisite first

*Italic Courses Offered Biennially - See Course Description For Further Details*

# English Language Arts

## English 9

Grade 9 - Full Year Required  
1111-1112-1113

**R**

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.

## English 11

Grade 11 - Full Year Required  
1311-1312-1313  
*Prerequisite: English 10*

**R**

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.

## CP English 10

Grade 10 - Full Year Required  
1221-1222-1223  
*Prerequisite: English 9*  
*Teacher Recommendation Required*

**R**

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 12

Grade 12 - Full Year Required  
1421-1422-1423  
*Prerequisite: "C" or better in English 11 or CP English 11*  
*Teacher Recommendation Required*

**R**

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.

## English 10

Grade 10 - Full Year Required  
1211-1212-1213  
*Prerequisite: English 9*

**R**

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 12

Grade 12 - Full Year Required  
1411-1412-1413  
*Prerequisite: English 11*

**R**

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.

## CP English 11

Grade 11 - Full Year Required  
1321-1322-1323 (Honors T3)  
*Prerequisite: "C" or better in English 10*  
*Teacher Recommendation Required*

**R H**

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.

## AP Language & Composition 11

Grade 11 - Full Year Required  
1211-1212-1213  
*Prerequisite: "B" or better in CP English 10*  
*Teacher Recommendation Required*

**R H AP**

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.

# English Language Arts

## AP Literature & Composition 12

Grade 12 - Full Year Required  
1431-1432-1433

Prerequisite: "B" or better in CP English 11

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

Grade 9-12 - 1 Trimester  
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.

## Holocaust Literature and Film

Grades 10-12 - 1 Trimester  
1563



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.

## Speech and Debate

Grade 10-12 - 1 Trimester  
1541



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

## Yearbook

Grades 10-12 - Full Year Required  
1511-1512-1513

Teacher Recommendation Required



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.*

Full Academic Year Commitment Required

## Philosophy

Grades 10-12 - 1 Trimester  
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.

## African American Lit

Grade 10-12 - 1 Trimester  
1519



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.

## Theatre Arts

Grades 9-12 - 1 Trimester  
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

# English Language Arts

## Play Production

Grades 9-12 – 1 Trimester

1547

*Prerequisite: "C" or better in Theater Arts*

*Teacher Recommendation Required*

E V

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.

## Writer's Workshop

Grades 9-12 – 1 Trimester

1555

E

This is a course intended to provide intense skill-building 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.

## Film

Grades 10-12 – 1 Trimester

1571

*Prerequisite: Successful completion of English 9*

E

This class emphasizes the power of observation and the close analysis of a subject. Students will apply traditional reading strategies to the medium of film, exploring how movies can be "read" much like literature. The course includes the study of classic, contemporary, and popular films, with attention to shot composition, film genres, narrative structure, and other key cinematic elements. Students will strengthen their writing skills by analyzing films in the same way they would analyze a novel or play in a literature class.

## Greek Mythology

Grades 10-12 – 1 Trimester

1561

E V

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.

## Science Fiction

Grade 11 - Full Year Required

1311-1312-1313

*Prerequisite: English 10*

E

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.

## Creative Writing

Grades 10-12 – 1 Trimester

1554

*Prerequisite: Successful completion of Writer's Workshop*

*Instructor Permission for 9th Grade*

E

Creative Writing is an advanced course for students who have successfully completed Writer's Workshop and are ready to transform their writing skills into imaginative, original work. In this class, students will craft a variety of literary projects—including short stories, memoirs, poetry, and the foundational elements of graphic novels—while studying techniques that elevate voice, style, and narrative craft. Through workshops, peer feedback, and guided revision, students will experiment with form, develop vivid characters and settings, and learn to shape meaningful themes. Creativity, risk-taking, and artistic expression are at the heart of the course. This class invites young authors to stretch their abilities and gain confidence in their creative process.

## Poetry

Grades 10-12 – 1 Trimester

1563

*Prerequisite: Successful completion of English 9*

E V

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.

## AI Literacy

Grades 10-12 – 1 Trimester

1515

E

As we move into a new stage of technology in education and the workforce at large, it is important that students understand the proper use of artificial intelligence in the classroom. Topics addressed in this course are ethics in AI decision-making, AI capabilities and limitations, AI's role in digital citizenship, real-world applications of responsible technology and AI use, AI-generated likenesses and their impact, and the importance of fact-checking AI outputs.

# English Language Arts

## Biography

Grades 11-12 – 1 Trimester

1556

*Prerequisite:*

**E**

Biography & Historical Impact is an engaging course for high school students who are curious about the lives of influential figures and the forces that shaped their worlds. Students will select and read a full-length biography or biographies of a notable person—an innovator, leader, artist, activist, or thinker—and analyze how that individual's experiences, choices, and achievements contributed to history. After completing their reading, students will demonstrate their understanding through a project that may include creating a multimedia presentation, designing an interactive exhibit, or composing a narrative profile. Research skills, critical thinking, communication, and thoughtful interpretation are emphasized throughout. This course invites students to explore real stories of perseverance, creativity, and impact while developing a deeper appreciation for how individuals help shape the world.

## Podcasting

Grades 11-12 – 1 Trimester

1557

*Prerequisite:*

**E**

Podcasting is a project-based course designed for juniors and seniors who want to develop their voices as storytellers, creators, and communicators. In this class, students will learn the full process of producing professional-quality podcasts—from researching and writing engaging scripts to honing public-speaking skills through clear, confident audio delivery. Students will gain hands-on experience with recording and editing software, sound design, and basic audio engineering. Collaboration, creativity, problem-solving, and organization are essential elements of the course as students work in teams to plan, record, revise, and publish their own episodes. By the end of the trimester, students will have built a polished portfolio of audio work and the real-world skills needed to express ideas effectively in today's podcast world.

# Social Studies

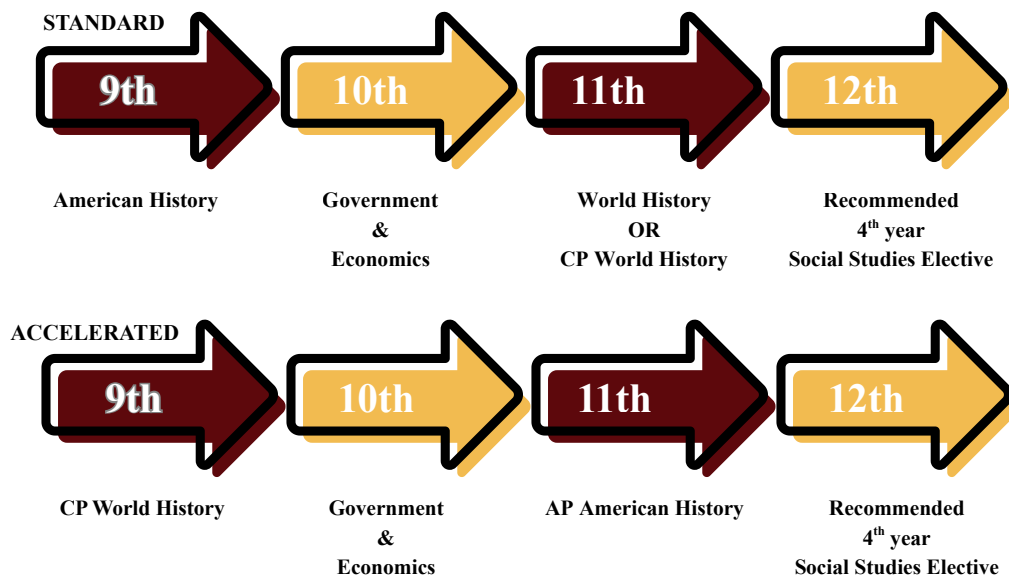
Students must complete standards in American History, Government, Economics, and World History

Course #	Course Title		Grade	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**	<i>AP Microeconomics</i>	<i>E; H</i>	<i>10-12</i>	<i>Full Year</i>
2337-2338-2339**	<i>AP Macroeconomics</i>	<i>E; H</i>	<i>10-12</i>	<i>Full Year</i>
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	The Pursuit of Happiness A	E	9-12	1 Trimester
2620**	The Pursuit of Happiness B	E	9-12	1 Trimester
1577	Current Events	E	9-12	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

*Italic Courses Offered Biennially - See Course Description For Further Details*



# Social Studies

## American History

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

**R**

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.

## Government

Grades 10-12 – 1 Trimester  
2311

**R**

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.

## AP Macroeconomics

Grades 10-12 - Full Year Required  
2337-2338-2339

*Prerequisite: Minimum of 3.1 GPA*

*Teacher Recommendation Required*

*Offered  
Biennially*

**ODD**

**E H AP**

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

Grades 10-12 – 2 Trimesters  
2111-2112

**R**

World History takes a global and comparative approach to studying the world and its 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.

## AP American History

Grades 11-12 - Full Year Required  
2231-2232-2233

*Prerequisite: Minimum of 3.0 GPA*

*Teacher Recommendation Required*

**E H AP**

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.

## CP Government

Grades 10-12 – 1 Trimester  
2321

*Prerequisite: "B" or better in HS American History*

*Teacher Recommendation Required*

**R**

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.

## AP Microeconomics

Grades 10-12 - Full Year Required  
2333-2332-2335

*Prerequisite: Minimum of 3.1 GPA*

*Teacher Recommendation Required*

*Offered  
Biennially*

**EVEN**

**E H AP**

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.

## CP World History

Grades 9-12 – 2 Trimesters  
2121-2122

*Prerequisite: "B" or better in HS American History*

*Teacher Recommendation Required*

**R**

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 its 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.

# Social Studies

## Economics

Grades 9-12 – 1 Trimester  
2313

*Teacher Permission Required*

**R**

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.

## Sociology

Grades 10-12 –1 Trimester  
2515

*Prerequisite: Minimum of 3.0 GPA*

*Teacher Permission Required*

**E**

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.

## History Through Film

Grades 10-12 – 1 Trimester  
2611

**E**

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

Grades 9-12 - 1 Trimester  
2619

**E**

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.

## Psychology

Grades 10-12 – 1 Trimester  
2511

**E**

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.

## AP Psychology

Grades 10-12 - Full Year Required  
2512-2513-2514

*Prerequisite: Minimum of 3.1 GPA*

*Teacher Recommendation Required*

**E H AP**

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.

## Michigan: Then and Now

Grades 10-12 – 1 Trimester  
2623

**E**

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.

## The Pursuit of Happiness B

Grades 9-12 - 1 Trimester  
2620

*Prerequisite: Successful completion of Pursuit of Happiness A*

**E**

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.

# Social Studies

## Modern Sports History

Grades 10-12 – 1 Trimester

2615

**E**

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.

## Current Events

Grades 9-12 – 1 Trimester

1577

**E**

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

## Pop Culture and the American Family

Grades 10-12 – 1 Trimester

2617

**E**

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.

## Fantastic Places

Grades 9-12 – 1 Trimester

2613

**E**

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.

# Science

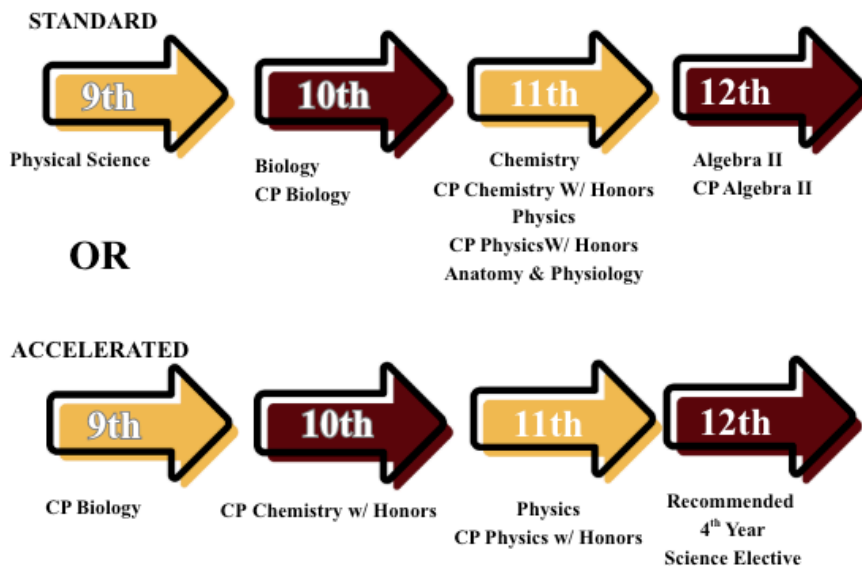
Students must complete Biology, one of Chemistry/Physics/Anatomy & Physiology, plus one additional Science. Physical Science may be replaced by an accelerated pathway.

Course #	Course Title		Grade	Standard Seat Time
3111-3112	Physical Science	R	9	2 Trimesters
3211-3212	Biology	R	10	2 Trimesters
3221-3222-3223**	CP Biology	R	9-10	Full Year
3327-3328**	Anatomy & Physiology	E	11-12	2 Trimesters
3437-3438-3439**	AP Biology	E; H	11-12	Full Year
3311-3312**	Chemistry	R	11-12	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	11-12	2 Trimesters
3337	Honors Physics (T3)	E; H	10-12	1 Trimester
3445-3446-3447	AP Physics I	M; E; H	11-12	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

*Italic Courses Offered Biennially - See Course Description For Further Details*



### 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.

# Science

## Physical Science

Grade 9 – 2 Trimesters  
3111-3112

**R**

This course is separated into two main content areas – Physics (Physical Science A) and Chemistry (Physical Science B). 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.*

## CP Biology

Grades 9-10 - Full Year Required  
3221-3222-3223

*Prerequisite: "B" or better in Physical Science or an "A" in 8th Grade Science*

*Teacher Recommendation Required*

**R**

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

Grades 11-12 - 2 Trimesters  
3327-3328

*Prerequisite: "B" or better in CP Biology or Biology*

*Teacher Recommendation Required*

**E**

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.

*Fulfills Chemistry/Physics requirement*

## CP Chemistry

Grades 10-12 – 2 Trimesters  
3321-3322

*Prerequisite: "B-" or better in Algebra I and CP Biology*

**R**

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.

## Biology

Grades 10 – 2 Trimesters  
3211-3212

**R**

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.

## AP Biology

Grades 11-12 - Full Year Required  
3437-3438-3439

*Prerequisite: "B" or better in CP Biology or an "A" in Biology*

*Teacher Recommendation Required*

*Offered  
Biennially*

**EVEN**

**E H AP**

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.

*\* It is suggested that students have taken chemistry or will take it concurrently*

## Chemistry

Grades 11 - 2 Trimesters  
3311-3312

*Prerequisite: Completion of Algebra I and CP Biology or Biology*

**R**

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.

## Honors Chemistry

Grades 10-12 – 1 Trimester  
3333

*Prerequisite: "C" or better in CP Chemistry or an "A" in Chemistry*

*Teacher Recommendation Required*

**E H**

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.

# Science

## Physics

Grades 11-12 – 2 Trimesters  
3323-3324

**R**

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

Grade 10-12 – 2 Trimesters  
3325-3326

*Prerequisite: Successful completion of Algebra II or concurrently with Algebra II with a “B” or better*

*Offered  
Biennially*

**ODD**

*Teacher Recommendation Required*

**R**

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.

## Astronomy

Grades 10-12 – 1 Trimester  
3333

*Prerequisite: Successful completion of Biology and Physical Science*

**E S**

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.

## Electronics

Grades 11-12 – 1 Trimester  
5215

**E S V**

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. 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

## Honors Physics

Grades 10-12 – 1 Trimester

3337

*Prerequisite: “C” or better in CP Physics or an “A” in Physics*

*Teacher Recommendation Required*

**E H**

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.

## AP Physics I

Grade 11-12 – Full Year Required  
3445-3446-3447

*Prerequisite: “B” or better in Algebra II or concurrently with Algebra II*

*Offered  
Biennially*

**ODD**

*Teacher Recommendation Required*

**E H M AP**

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.

## Sports Science

Grades 10-12 – 1 Trimester  
3523

*Prerequisite: Algebra*

**E S**

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.

## Weather and Climate

Grades 9-12 – 1 Trimester  
3521

**E S**

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.

# Science

## Forensic Science I

Grades 11-12 – 1 Trimester

3541

*Prerequisite: Successful completion of Biology and Physical Science*

**E S**

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. 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

Grades 10-12 – 1 Trimester

3543

*Prerequisite: "B" or better in Forensic Science I*

**E S**

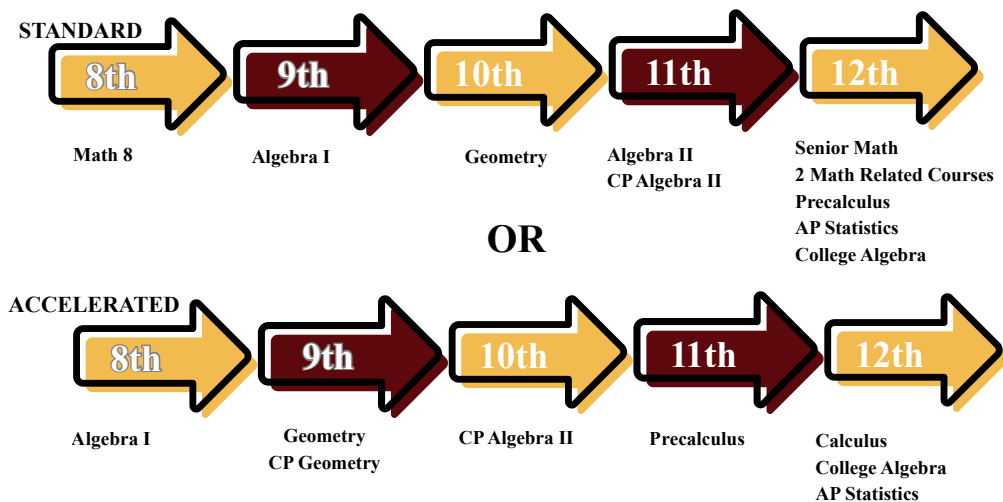
Advanced Forensic Science is a one-term science elective that expands on the knowledge that was learned in the Forensic Science course. It includes the following science disciplines Biology, Chemistry, Earth Science, and Physics. The course includes online lab investigations, hands on laboratory investigations, 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.

# Mathematics

Course #	Course Title		Grade	Standard Seat Time
4117-4118-4119	Algebra Math Lab	E	9-12	1 Trimester
4111-4112-4113	Algebra	R	9-11	Full Year
4211-4212-4213**	Geometry	R	9-11	Full Year
4204-4205-4206	Geometry Math Lab	E	10-12	1 Trimester
4214-4215-4216	CP Geometry	R	9-10	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



## 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.

# Mathematics

## Math Lab(s)

Grades 9-12 – 1 Trimester  
4117-4118-4119 Algebra I  
4204-4205-4206 Geometry  
4301-4302-4303 Algebra II

**E**

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.

## Algebra

Grades 9-11- Full Year Required  
4111-4112-4113

**R**

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.

## CP Geometry

Grades 9-10 - Full Year Required  
4214-4215-4216

*Prerequisite: "A" in Algebra I*

*Teacher Recommendation Required & Math Department Approval*

**R**

This course will emphasize the properties and applications of common geometric figures in two and three dimensions. In addition, students will study right triangle trigonometry, inductive and deductive reasoning, and geometric proofs. This course will delve deeper into Geometric concepts and will focus on more advanced Algebra skills to prepare students for CP Algebra 2 and/or Precalculus.

## Algebra II

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

**R**

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.

## Sports Statistics

Grades 10-12 – 1 Trimester  
4521

**E**

This course introduces students to the fundamentals of data collection and analysis in high school sports. Students will explore how data is gathered, examine potential biases, and apply their methods by collecting statistics from local teams. Using real-world numbers, they will practice analyses commonly used in schools to evaluate performance. The course has a dual focus: building skills in data collection, analysis, and probability, while also providing coaches with valuable insights into team and opponent strengths, weaknesses, and tendencies.

## Geometry

Grades 9-11 - Full Year Required  
4211-4212-4213

*Prerequisite: Completion of Algebra I*

**R**

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.

## CP Algebra II

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

*Teacher Recommendation Required*

**R**

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.

## Senior Math

Grade 12 – 1 Trimester  
4319

**E**

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.

# Mathematics

## Puzzles & Logic

Grades 10-12 – 1 Trimester

4621

E

Students will strengthen their problem-solving skills through puzzles, games, and hands-on activities. The course emphasizes developing a logical, algorithmic thought process that can be applied to any task. Activities include language-based, mathematical, and spatial puzzles, ensuring benefits for all learners regardless of their strengths. Open to grades 10–12, this course is ideal for students interested in problem solving, logic, and puzzle challenges.

## AP Statistics

Grades 11-12 – Full Year Elective

4513-4514-4515

*Prerequisite: (Please See Below)*

*Teacher Recommendation Required*

E H AP

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.

*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.*

## Statistics and Probability

Grades 10-12 – 1 Trimester

4511

E

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.

## Pre-Calculus with Trigonometry

Grades 10-12 – 2 Trimesters / 1 Trimester

4421-4422 (T1 & T2) 4423 (T3 Honors)

*Prerequisite: Successful completion of Algebra 2*

*Teacher Recommendation Required*

E H

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.



### !! Ferris State University Math Credit !!

FSU math credit for **Calculus** (Math 220) and **College Algebra** (Math 125)

is accepted at nearly all Michigan colleges and universities, Including U of M - Ann Arbor

*Riverview School District covers a fixed portion of tuition; students pay the remainder*

**2025/2026 Rates** FSU tuition: \$662 RCHS contribution: \$536 Student responsibility: \$126

### PLEASE NOTE

FSU tuition rates increase annually, so the exact student cost may vary from year to year. For this reason, it is challenging to publish a fixed price in the high school course selection guide.

## College Algebra (Math 125)

Grades 11-12 – 2 Trimesters

4425-4426

*Prerequisite: Successful completion of CP Algebra 2 & 580+ on SAT MATH or 24+ on ACT MATH*

E H

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

!! Ferris State University Math Credit - Please Read Information Above !!

## Calculus (Math 220)

Grade 11-12 – Full Year Required

35234431-4432-4433

*Prerequisite: Successful completion of Precalculus*

*Teacher Recommendation Required*

E H

RCHS is proud to offer Ferris State University credit for successful completion of Calculus. Calculus is one of the most widely applied 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 the SAT Math test or score 26 or better on the ACT Math test.

!! Ferris State University Math Credit - Please Read Information Above !!



# World 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. As part of a college preparatory program, we recommend that students take at least three (3) credits in a foreign language.

***\*The second world language credit may be earned by completing one additional VPAA credit (2 terms) or by completing an approved CTE Program***

Course #	Course Title		Grade	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	1 Trimester
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

# World Language

## Spanish I

Grades 9-12 – 2 Trimesters  
6115-6116

**R**

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, personality and physical traits, 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 III

Grades 11-12 – 2 Trimesters  
6315-6316

*Prerequisite: "C" or better in Spanish II and/or Instructor Permission*

*Teacher Recommendation Required*

**E**

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 V

Grade 12 – 1 Trimester  
6535-6536

*Teacher Recommendation Required*

**E H**

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.

*\*This course is taken 3rd Trimester after completing Spanish 4A and Spanish 4B during the first two trimesters of the year.*

## Spanish II

Grades 10-12 – 2 Trimesters  
6215-6216

**R**

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 IV

Grades 11-12 - Full Year Required  
4211-4212-4213

*Prerequisite: "C" or better in Spanish III and/or Instructor Permission*

*Teacher Recommendation Required*

**E H**

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.

## Discovering the Spanish Speaking World

Grades 10-12 – 1 Trimester  
6523

*Prerequisite: Completion of Spanish IA and IB*

**E**

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 technological tools for learning.*

Course #	Course Title		Grade	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

# Life Management Education

## Nutrition

Grades 9-12 – 1 Trimester  
6115-6116

**E**

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

Grades 9-12 – 1 Trimester  
6315-6316

**E**

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 to engage students in individual research as well as cooperative groupwork projects.

## Financial Literacy

Grade 12 – 1 Trimester  
7518

**R**

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.

## Culinary Arts

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

**E V**

The Culinary Arts and Baking program offers the opportunity to acquire skills to prepare the student for a successful career entry or continuing education in the Culinary, Baking, and Hospitality fields. The course will emphasize computational skills and knowledge; problem-solving, reasoning, and decision-making skills; leadership skills; and social and employability skills. 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. Students will follow the ProStart curriculum, designed by the National Restaurant Association, which prepares students for the Culinary, Baking, and Hospitality career fields. Students have the opportunity to take the ServSafe Food Handler exam, and other certification opportunities may be available. The course is in line with the State-approved Cooking and Related Culinary Arts course requirements, and those requirements can be found under the 12.0500 CIP code.

## Parenting

Grades 10-12 – 1 Trimester  
6215-6216

**E**

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

Grades 11-12 - Full Year Required  
4211-4212-4213

*Prerequisite: Successful completion of Parenting*

**E**

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 methods.

*Required: A project involving electronic babies*

## Intro to Culinary Arts

Grades 9-10 – 1 Trimester  
7823

**E**

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

## Advanced Baking & Culinary

Grades 11-12 – Full Year  
7847\*\*-7848-7849

*Prerequisite: Completion of A Full Year of Culinary Arts and/or Instructor Permission*

**E M V**

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 will follow the ProStart curriculum, designed by the National Restaurant Association, which prepares students for the Culinary, Baking, and Hospitality career fields. Students will be given the opportunity to take ServSafe Allergen, ServSafe Manager and other credentials relevant to the industry. Students complete advanced cooking and baking projects as well as explore new innovations in the industry. The course is in line with the State-approved Cooking and Related Culinary Arts course requirements, and those requirements can be found under the 12.0500 CIP code.

# Business and Computer Technology

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

*The Business and Computer Technology Department prepares students for tomorrow's workforce by combining career-ready skills with those needed for everyday life. In an era of virtual offices, teamwork, and online business transactions, office procedures are constantly evolving. Our goal is to stay aligned with these changes and meet them as opportunities to equip students with relevant, practical skills.*

Course #	Course Title		Grade	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

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# Business and Computer Technology

## Computer Applications

Grades 9-12 – 1 Trimester  
5151

**E**

This course builds essential technology skills through hands-on practice. Students begin with keyboarding and word processing, then expand into presentation, spreadsheet, and database applications. They will also design a simple website and explore desktop publishing. Coursework uses Microsoft Office Professional and selected Adobe software, preparing students with practical tools for both academic and workplace success.

*Satisfies Technology Graduation Requirement*

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

## Programming

Grades 9-12 – 1 Trimester  
6315-6316

*Prerequisite: Completion of Introduction to Coding and/or Instructor Permission*

**E**

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.

## Marketing: Sports & Entertainment

Grades 10-12 – 1 Trimester  
5315

**E V**

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.

## Accounting I

Grades 10-12 – Full Year  
5411-5412-5413

**E M**

This course provides students with a foundation in accounting principles and practices. With basic math proficiency as a prerequisite, students will learn to prepare and interpret financial records for both service and merchandising businesses. Instruction covers the complete accounting cycle—from journalizing transactions to closing the books—equipping students with practical skills for future academic and career success.

*\*Highly recommended for college-bound business students and those pursuing computer-related fields*

## Business Administration Management & Operations

Grades 10-12 – Full Year  
5211-5212-5213

**E M**

This course serves as a gateway to the Business Administration/Management career pathway, offering an overview of the business and technology skills needed in today's workplace. Students will build knowledge of business principles, financial decision-making, and essential computer skills that apply across all career fields.

Learners will explore the fundamentals of working in, managing, and owning a business, while practicing real-world applications of their knowledge. Emphasis is placed on logical decision-making, problem-solving, and defending choices through evidence-based reasoning. Employability skills are integrated into projects and activities, preparing students to succeed both personally and professionally in an information-driven society.

## Introduction to Coding

Grades 9-12 – 1 Trimester  
5161

**E S M V**

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.

## Business and Personal Finance

Grades 9-12 - 2 Trimesters  
5401-5402

**E M**

This course helps students understand how individual choices affect career goals and future earnings. Topics include income, money management, spending, credit, saving, and investing. Students will create personal and household budgets, practice using checking and savings accounts, and build skills in managing debt and credit. The course also covers insurance and taxes, preparing students to make informed financial decisions in everyday life.

## Accounting II

Grades 11-12 – Full Year  
7847\*\* -7848-7849

*Prerequisite: Completion of Accounting I or Instructor Permission*

**E M**

This course builds on the foundation of Accounting I, with a focus on corporate transactions, detailed financial statements, and more complex accounting processes. Students will apply their knowledge through Virtual Business Online, a hands-on simulation that develops financial decision-making skills for both business operations and personal finance.

# Business and Computer Technology

## Accounting III

Grades 12 - 2 Trimesters

5421-5422

*Prerequisite: Completion of Accounting I and II*

**E M**

Students will advance their accounting skills through both manual and computerized simulations that emphasize real-world business scenarios. The course builds on prior accounting knowledge, challenging students to apply concepts in practical settings and preparing them for professional environments.

## Business & Personal Law

Grades 9-12 - 1 Trimester

5451

**E**

This course helps students understand how laws affect them both as minors and as citizens. Topics include the origins and enforcement of law, crimes, torts, and the court system. Students will also explore contracts, personal ethics, consumer rights, property ownership and transfer, landlord-tenant relationships, employment law, and personal credit.

As a capstone experience, students will participate in a Mock Trial, applying their knowledge in a realistic courtroom simulation by serving as prosecutors, attorneys, and jurors.

# Physical Education

Students must successfully complete the standards outlined in physical education and health courses to meet graduation requirements.

Course #	Course Title		Grade	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*	Basketball Techniques Girls / Boys	E	9-12	1 Trimester (T1 & T3)
6629	Soccer Techniques (Coed)	E	9-12	1 Trimester
6631*	Strength & Conditioning - Girls	E	10-12	1 Trimester
6634*	Swim Techniques (Coed)	E	9-12	1 Trimester (T3)

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

\*Repeatable for multiple credit \*\*Must take prerequisite first

### RCCHS 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.

# Physical Education

## Physical Education

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

**R**

This course provides students with a comprehensive introduction to fitness, wellness, and lifelong health through a variety of activities, including individual training, team sports, and recreational games. Emphasis is placed on improving personal skill levels, enhancing overall fitness, and building knowledge of health and well-being, while also encouraging teamwork, sportsmanship, and respect for others. The ultimate goal is for students to develop lifelong habits that support a healthy lifestyle, gaining the confidence and skills to apply what they learn in recreational activities, organized sports, and personal fitness routines beyond school.

## Team Sports

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

**E**

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.

## Lifeguarding

Grades 9-12 – 1 Trimester  
6620

*Course Offered Trimester 1*

**E**

This course is designed for students interested in becoming certified lifeguards or learning proper lifeguarding techniques. Instruction covers water safety, rescue skills, and emergency response procedures, with hands-on practice to build confidence and competence in aquatic environments.

*To earn certification, students must meet the American Red Cross prerequisites, including being at least 15 years of age, and successfully pass the required swimming, lifeguarding skills, and knowledge test*

## Football Techniques

Grades 10-11 – 1 Trimester  
6623

*Course Offered Trimester 3*

**E**

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.

*Elective open to all students - This class is not mandatory*

## Health

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

**R**

This course emphasizes the importance of maintaining a healthy lifestyle through knowledge and practical skills. Students will explore topics such as nutrition, fitness, mental health, and personal wellness. The curriculum also includes a unit on sexually transmitted diseases (STDs), including AIDS, to promote awareness and prevention. Parents have the right to review all instructional materials used in the STD unit. The overall goal of the course is to equip students with the understanding and habits needed to make informed choices that support lifelong health and well-being.

## Strength & Conditioning – Boys

Grades 10-12 – 1 Trimester  
6615

**E**

This course is designed to improve overall fitness, athletic performance, and personal health through structured training that includes weightlifting, cardiovascular conditioning, flexibility work, and functional movement drills. Students will focus on proper technique, injury prevention, and individualized fitness planning while also learning the science behind exercise, nutrition, and recovery. The goal is to build strength, endurance, confidence, and lifelong healthy habits that can be applied both in athletics and everyday life.

## Strength & Conditioning – Girls

Grades 10-12 – 1 Trimester  
6631

**E**

This course is designed to improve and sustain cardiovascular endurance, muscular strength, and flexibility while helping students develop lifelong fitness habits. Through a variety of activities—including DDR, walking, Pilates, yoga, swimming, table tennis, tennis, Tae Bo, four square, and stress management—students will learn exercises that enhance overall health and wellness. Emphasis is placed on building awareness of personal fitness needs, practicing proper techniques, and maintaining a balanced lifestyle that supports both physical and mental well-being.

## Volleyball Techniques (Co-Ed)

Grades 11-12 – Full Year  
7847\*\* - 7848 - 7849

*Prerequisite: Completion of Accounting I or Instructor Permission*

**E**

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.

*Elective open to all students - This class is not mandatory*

# Physical Education

## Basketball Techniques

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

*Course Offered Trimesters 1 and 3*

**E**

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.

*Elective open to all students - This class is not mandatory*

## Baseball/Softball Techniques

Grades 10-12 – 1 Trimester  
6622

*Course Offered Trimester 2*

**E**

This course provides students with a foundation in accounting principles and practices. With basic math proficiency as a prerequisite, students will learn to prepare and interpret financial records for both service and merchandising businesses. Instruction covers the complete accounting cycle—from journalizing transactions to closing the books—equipping students with practical skills for future academic and career success.

*Elective open to all students - This class is not mandatory*

## Soccer Techniques (Co-Ed)

Grades 9-12 – 1 Trimester  
6629

**E**

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.

*Elective open to all students - This class is not mandatory*

## Basketball Techniques

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

*Course Offered Trimesters 1 and 3*

**E**

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.

*Elective open to all students - This class is not mandatory*

# 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	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
7331**	<i>Mural Painting</i>	<i>E; V</i>	<i>10-12</i>	<i>1 Trimester</i>
7335**	<i>Photography</i>	<i>E; V</i>	<i>10-12</i>	<i>1 Trimester</i>
7337**	<i>Art of Craft</i>	<i>E; V</i>	<i>10-12</i>	<i>1 Trimester</i>
7711-7712-7713*	Symphonic Band	E; V	10-12	Full Year
7718-7719-7720	Concert Band	E; V	9	Full Year
7841*	Jazz Band	E; V	9-12	1 Trimester
7715-7716-7717*	Wind Ensemble	E; V	10-12	Full Year
7812	Music Theory & Technology	E; V	10-12	1 Trimester
7811	Music History and Appreciation	E; V	9-12	1 Trimester
7608-7609-7610	Concert Choir	E; V	10-12	Full Year
7611-7612-7613*	Mixed Chorus	E; V	9-12	Full Year
7721	Piano Keyboarding	E; V	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

# Fine Arts

## Art

Grades 10-12 – 1 Trimester  
7111

**E V**

This course is a *prerequisite* for **ALL** other art classes. This class must be completed with a "C" or better to progress to other art classes

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

Grades 10-12 – 1 Trimester  
7211

*Prerequisite: Completion of Art or Instructor Permission*

**E V**

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.

## Painting

Grades 10-12 – 1 Trimester  
7231

*Prerequisite: Completion of Art*

**E V**

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.

## Mural Painting

Grades 10-12 – 1 Trimester  
7331

*Prerequisite: Completion of Art*

**E V**

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

Grades 10-12 – 1 Trimester  
7335

*Prerequisite: Completion of Art*

**E V**

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.

*Offered  
Biennially*

**EVEN**

## Advanced Ceramics

Grades 11-12 – 1 Trimester  
7213

*Prerequisite: Completion of Art and Ceramics*

*Teacher Recommendation Required*

**E V**

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.

## Advanced Painting

Grades 11-12 – 1 Trimester  
7233

*Prerequisite: Completion of Art and Painting*

*Teacher Recommendation Required*

**E V**

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.

*Offered  
Biennially*

**ODD**

## Art of Craft

Grades 10-12 – 1 Trimester  
6631

*Prerequisite: Completion of Art*

**E V**

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.

*Offered  
Biennially*

**EVEN**

# Fine Arts

## Symphonic Band

Grades 10-12 – Full Year Required

7711-7712-7713

No Audition Required

E V

Symphonic Band is for students with prior instrumental experience or director approval and does not require an audition. The class develops individual technique and full-ensemble skills through traditional band, classical, and pop literature. The group performs at school events, concerts, and festivals. Regular individual practice, personal instruments, and attendance at occasional before- or after-school rehearsals are required. Students also have opportunities for solo and small-ensemble performance, and participation in all scheduled events supports teamwork and musical growth.

## Piano Keyboarding

Grades 9-12 – 1 Trimester

7721

E V

This course is designed for students of all grade levels who wish to learn the fundamental skills of piano playing—no prior musical experience is necessary. Using a combination of computer software and a beginning piano book, students will develop basic keyboarding techniques in a supportive, hands-on environment. The curriculum includes essential topics such as music reading, rhythm, hand position, and simple melodies. Throughout the trimester, students will have opportunities to explore creative activities, such as composing short pieces and collaborating with classmates. By the end of the course, students will be able to read basic sheet music and perform simple songs on the piano.

## Mixed Chorus

Grades 9-12 – Full Year Required

7611-7612-7613

E V

No Audition Required

Mixed Chorus welcomes any student who enjoys singing—no previous vocal experience is necessary. This year-long course provides an opportunity to explore a variety of musical styles while developing basic music reading skills, vocal technique, and understanding of music theory. Emphasis is placed on interpretation, balance, and tone quality. Students will participate in after-school performances at concerts and festivals. Mixed Chorus may be taken more than once for credit, allowing singers to continue building their skills each year.

## Wind Ensemble

Grades 10-12 – Full Year Required

7715-7716-7716

E V

Audition Required

Wind Ensemble is the school's premier instrumental group and requires a successful audition. The class challenges advanced musicians with sophisticated literature across traditional band, classical, modern, and other genres. Students perform at concerts, festivals, and school events, representing the highest musical standard. Rehearsals may occur outside regular class hours. Members must provide their own instruments, maintain consistent individual practice, and participate in all scheduled performances. Opportunities for solo and chamber work support both technical mastery and artistic expression.

## Music Theory & Technology

Grades 9-12 – 1 Trimester

7812

E V

This course explores music from the Middle Ages to today, covering major trends and influential composers from the Renaissance, Baroque, Classical, Romantic, and 20th-century eras. Students also study the development of popular styles such as jazz, rock, pop, hip hop, and electronic music. Listening to a wide range of works—from classical masterworks to contemporary hits—helps students appreciate both art music and modern culture. Class discussions and activities highlight how music reflects and shapes society across time.

## Jazz Band

Grades 9-12 – 1 Trimester

7841\*

*Permission Required by Director of Bands*

E V

*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.

## Concert Band

Grades 9 ONLY – Full Year Required

Course 7718-7719-7720

E V

No Audition Required

Concert Band is for students with prior instrumental training or permission from the Director of Bands. Members develop musicianship through tone, technique, and a variety of styles including traditional band music, pop, and classical. The group performs at school events, concerts, and festivals. Students must provide their own instruments, attend periodic before- or after-school rehearsals, and maintain regular individual practice. Opportunities for solo and small-ensemble performance support musical growth, and participation in all scheduled events builds teamwork and performance skills.

## Concert Choir

Grades 10-12 – Full Year Required

7608-7609-7610

E V

Audition Required

Concert Choir is an advanced vocal ensemble for students admitted through audition. The class focuses on refined music reading, vocal theory, and advanced singing techniques, as well as interpreting and performing diverse choral literature. Members are expected to participate in after-school performances at concerts, festivals, and community events throughout the year. Concert Choir may be repeated for credit, providing ongoing opportunities for experienced singers to further develop their artistry, ensemble skills, and musical leadership.

## Music History & Appreciation

Grades 9-12 – 1 Trimester

7811

E V

This course explores music from the Middle Ages to the present, covering major trends and influential composers from the Renaissance, Baroque, Classical, Romantic, and 20th-century periods. Students also study the evolution of popular styles including jazz, rock, pop, hip hop, and electronic music. A strong emphasis is placed on listening to a wide range of works—from classical masterworks to contemporary hits—to build appreciation for both art music and modern culture. Discussions and activities highlight how music reflects and shapes society across time.

# Special Education

*Enrollment in special education courses requires that students have an active Individualized Education Program (IEP).*

Course #	Course Title		Grade	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

# Special Education

## Basic English 9

Grade 9 – Full Year Required

9111-9112-9113

**R**

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

Grade 11 – Full Year Required

9311-9312-9313

**R**

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.

## Learning Lab

Grades 9-12 – Full Year Required

9991-9992-9993

**E**

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.

## Basic English 10

Grade 10 – Full Year Required

7211

**R**

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

Grade 12 – Full Year Required

9411-9412-9413

**R**

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 *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.

# General Studies

*Enrollment in special education courses requires that students have an active Individualized Education Program (IEP).*

Course #	Course Title		Grade	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
8104	Peer-To-Peer	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

# General Studies

## Study Skills

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

**E**

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

Grade 11 – 1 Trimester  
8121

**R**

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.

## Senior Seminar

Grade 12 – 2 Trimesters  
8404-8405-8406

**R**

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

## Emerging Leaders

Grades 10-12 - 1-3 Trimesters  
8131-8132-8133

**E**

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.

## Peer-To-Peer

Grade 9-12 – 1 Trimester  
8104

**E**

Peer to Peer is an elective course designed to provide students with a comprehensive understanding of autism and other disabilities through direct instruction, meaningful relationships, and lived experiences. Neurotypical and neurodiverse students work together in an integrated, positive environment to promote socialization, independence, and strong friendship bonds that last throughout high school and beyond. Students will enhance their problem-solving, communication, and leadership skills, preparing them to be leaders and effective advocates in their school community. The curriculum includes reflective journaling activities, multi-media content related to disabilities and inclusion, pre/post assessments, classroom participation with peers, and a final project. Time outside of the classroom may be required. This is an elective course that awards credit as approved by the Michigan Department of Education. Prerequisites are not required for this course. The reciprocal benefits to peer partners are numerous, for example increased attendance, improved grades and decreased behavioral referrals. Applied as part of a participation model, the curriculum offers opportunities for the learning and application of skills that promote responsibility, collaboration, leadership, and empathy, among others. The planned sequence of activities in the curriculum supports peer partners in becoming better problem solvers and communicators who are able to successfully interact with a wide variety of people.

## Honors Seminar

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

*Prerequisite: Must be concurrently enrolled in 3 honors courses*

**E**

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.

# Career Technical Education

## DOWNRIVER CAREER TECHNICAL CONSORTIUM

11th and 12th-grade students enrolled in any of the nine DCTC districts may participate in career and technical education programs offered at the nine-member high schools. Transportation is provided unless otherwise noted in the program description. Most programs are designed as two-year sequences, beginning in the junior year and continuing through the senior year. Many programs also offer the opportunity to earn college credit while still in high school through articulation agreements with local colleges, giving students a head start on their postsecondary education and career pathways.

Course #	Course Title		Grade	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

Please note that some courses may provide students with a 4th year math credit and a VPAA credit.

These courses will be identified using the following codes: V – VPAA M – 4th Year Math

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# Career Technical Education

## Agriscience I (Zoology)

Grades 11-12 – Full Year Required

Airport High School

120AT

V

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.

## Architectural Drafting & CAD I

Grades 11-12 – Full Year Required

Airport High School

810AT

*Prerequisite: Completion of math class*

V

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 & tolerancing, sections, pictorial drawings, fasteners, residential architecture, descriptive geometry, 3D parametric drawing, leadership and employability skills, assembly and working drawings.

## Auto Body Collision Repair I

Grades 11 – Full Year Required

Huron High School

210HU

*Prerequisite: Metal/Woods Class, if available and Instructor Approval*

V

NATEF Certified

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.

## Agriscience II (Botany)

Grades 12 – Full Year Required

Airport High School

122AT

V

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 II

Grades 12 – Full Year Required

Airport High School

812AT

*Prerequisite: "C" or better in Drafting I and Instructor Approval*

V M

This advanced course builds on the skills developed in Drafting I, with greater emphasis on complex design projects and professional applications. Students will refine their use of traditional drafting tools and computer-aided design (CAD) software while tackling challenging assignments such as advanced residential and commercial architecture plans, multi-view drawings, assemblies, and 3D parametric modeling. The curriculum expands into specialized areas of the Michigan Drafting & Design Segments, including advanced dimensioning and tolerancing, descriptive geometry, and working drawings, while also strengthening problem-solving, leadership, and employability skills through collaborative projects and industry-related practices.

## Auto Body Collision Repair II

Grades 12 – Full Year Required

Huron High School

212HU

*Prerequisite: Completion of math class*

V

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.

# Career Technical Education

## Automotive Technology I

Grades 11 – Full Year Required

Airport High School

220AT

Huron High School

220HU

V

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.

## Aviation Technology I

Grades 11-12 – Full Year Required

WCCCD - Northline Campus

310GI

Prerequisite: Algebra and/or related math experience and Counselor Approval

V

Transportation **NOT** Provided

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.

Students must be interviewed by MIAT personnel who will determine admission. Students must provide their own transportation to this program.

## Avionics Electronics Technology I

Grades 11 – Full Year Required

MIAT - Canton

320FR

Prerequisite: Algebra and/or related math are required and Counselor Approval

V

Transportation **NOT** Provided

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

Students must be interviewed by MIAT personnel who will determine admission. Students must provide their own transportation to this program.

## Cabinetry and Woodworking I

Grades 11 – Full Year Required

Trenton High School

730TN

V M

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.

## Automotive Technology II

Grades 12 – Full Year Required

Airport High School

222AT

Huron High School

222HU

Prerequisite: "C" or better in Automotive Service Technology I and Instructor Approval

V M

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 II

Grades 12 – Full Year Required

MIAT - Canton

3102GI

Prerequisite: Algebra and/or related math experience and Counselor Approval

M

Transportation **NOT** Provided

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 II

Grades 12 – Full Year Required

MIAT - Canton

322FR

Prerequisite: "C" or better in Avionics Electronics Technology I and Counselor Approval

M

Transportation **NOT** Provided

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 II

Grades 12 – Full Year Required

Trenton High School

732TN

Prerequisite: "C" or better in Cabinet and Furniture Making I and Instructor Approval

V M

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.

# Career Technical Education

## Computer Information Tech I & II

Grades 11-12 – Full Year Required

Airport High School

560AT

Schoolcraft College

*Prerequisite:* Junior status, On-course to Graduate, & GPA 2.0+ in core classes

V M

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.

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

## Cosmetology I

Grades 11 – Full Year Required

Riverview Community High School

990WH

*Prerequisite:* Mandatory Orientation for Parents/Students

V M

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.

## Criminal Justice I & II

Grades 11-12 – Full Year Required

WCCCD - Northline Campus

931TN

*Prerequisite:* "C" or better in Algebra I and in Biology

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.

*Health Appraisal, Criminal Background Check and Drug Screen Required.*

## Construction Trades I

Grades 11-12 – Full Year Required

Carlson High School

710GB

*Prerequisite:* Algebra and/or related math experience (measurements)

V

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 12 – Full Year Required

Carlson High School

712GB

*Prerequisite:* Instructor Approval Required

V M

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 II

Grades 12 – Full Year Required

Riverview Community High School

992WH

*Prerequisite:* "C" or better in Cosmetology I and Mandatory Orientation for Parents/Students

V M

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.

# Career Technical Education

## Cyber Security I & II

Grades 11-12 – Full Year Required

Henry Ford College

937GB

939GB

V M

Transportation **NOT** Provided

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.

## Digital Media, Radio & TV I

Grades 11– Full Year Required

Carlson High School

950GB

V

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.

## Educational Careers I

Grades 11– Full Year Required

Grosse Ile High School

850GI

Prerequisite: Please See Below

V

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.

Prerequisite: Mandatory orientation; Immunization records; Physical examination; Criminal background check.

## Dental Occupations I

Grades 11– Full Year Required

Woodhaven High School

920WH

Prerequisite: Keyboarding, Biology, Speech, & Computer Application experience

V

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

Grades 12 – Full Year Required

Woodhaven High School

922WH

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

V M

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 II

Grades 12 – Full Year Required

Carlson High School

952GV

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

V

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 II

Grades 12 – Full Year Required

Grosse Ile High School

852GI

Prerequisite: "C" or better in Intro to Education and Instructor Approval

V M

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

# Career Technical Education

## Electrical Engineering Tech I & II

Grades 11– Full Year Required

Henry Ford College

353GI

355GI

V M

Transportation **NOT** Provided

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.

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

## Fire Training Institute

Grades 12– Full Year Required

Schoolcraft College

112FIRE

119FIRE

V M

Transportation **NOT** Provided

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 1

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

## Engineering Design I

Grades 11– Full Year Required

Flat Rock High School

820FR

*Prerequisite: Completion of Math Course*

V

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 II

Grades 11– Full Year Required

Flat Rock High School

822FR

*Prerequisite: "C" or better in Drafting and*

V M

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.

## Graphic Communications I

Grades 11– Full Year Required

Woodhaven High School

250WH

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

V

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

Grades 12– Full Year Required

Woodhaven High School

252WH

V M

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.

# Career Technical Education

## Health Science I

Grades 11– Full Year Required

Grosse Ile High School

910GI

V

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 Science I

Grades 11– Full Year Required

Flat Rock High School

910FR

Prerequisite: "C" or better in Algebra I and Biology

V

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.

Prerequisite: Mandatory orientation; Immunization records; Physical examination; Criminal background check.

## Health Science I

Grades 11– Full Year Required

Roosevelt High School/Wyandotte Hospital

911GI

Prerequisite: "C" or better in Algebra I and Biology

V

Transportation **NOT** Provided

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.

Prerequisite: Mandatory orientation; Immunization records; Physical examination; Criminal background check.

## Health Science II - Sports Medicine

Grades 12– Full Year Required

Grosse Ile High School

912GI

V M

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 Science II - Pharmacy Tech

Grades 12– Full Year Required

Flat Rock High School

912FR

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

V M

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 Science II

Grades 12– Full Year Required

Roosevelt High School/Wyandotte Hospital

913GI

Prerequisite: Completion of Health Occupations I

Teacher Recommendation Required

V M

Transportation **NOT** Provided

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.

Prerequisite: Application; References; One-page paper of interest

# Career Technical Education

## Heating, Ventilation & Cooling I

Grades 11– Full Year Required

Henry Ford College

350RV

V

Transportation **NOT** Provided

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

Grades 12– Full Year Required

Henry Ford College

352RV

V

M

Transportation **NOT** Provided

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 2 include: HVAC Installation, Refrigeration Technology, Air Conditioning Technology, Blue Print Reading, Steam/Hot Water Systems

## Horticulture

Grades 11– Full Year Required

Trenton High School

356TN

Prerequisite: Instructor/Counselor Approval

358TN

V

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 Required

Southgate Anderson High School

660SG

Prerequisite: Ability to perform required physical fitness activities

V

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 known 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).

## Marketing I

Grades 11– Full Year Required

Carlson High School

750GB

V

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

Grades 12– Full Year Required

Carlson High School

752GB

Prerequisite: "C" or better in Marketing I and Instructor Approval

V

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

# Career Technical Education

## Manufacturing Engineering & CNC Technology I & II

Grades 11-12 – Full Year Required

Henry Ford College

550HU  
552NH

V M

Transportation **NOT** Provided

Students can gain hands-on skills with Computer Numerical Controlled (CNC) equipment as part of the Engineering curriculum. Training takes place on HAAS CNC lathes, mills, manual machine tools, and includes heat treating, hardness testing, quality control with Coordinate Measuring Machines, and Statistical Process Control.

Participants earn up to 18 college credits and a CNC Certification, with courses aligned to Henry Ford's MAT2 program—building toward an Associate in Applied Science degree and enhancing employability. Qualified students may also complete a one-semester paid internship with local employers.

Classes are hosted at the Michigan Technical Education Center of Henry Ford College. Attendance standards of both the sending district and Henry Ford College apply. Applications are available through counselors, and students must provide their own transportation.

## Welding & Fabrication I

Grades 11 – Full Year Required

Flat Rock High School

190FR

V M

Welding I introduces students to the fundamental skills and techniques used in the welding industry, providing a strong foundation for future training and career opportunities. Students will gain hands-on experience with multiple welding processes, including MIG, TIG, Arc, and gas welding, while learning the importance of safety procedures, proper equipment use, and industry standards. Instruction combines classroom learning with extensive shop practice, allowing students to develop precision, confidence, and problem-solving skills as they work on individual and team projects.

In addition to mastering core welding techniques, students will have the opportunity to participate in local and regional welding competitions. Students will be able to showcase their skills, creativity, and craftsmanship in real-world scenarios. By the end of the course, students will have built a strong base of technical knowledge and practical ability, preparing them for advanced study in Welding II.

## Work Study

Grades 11-12 – Full Year Required

8500

V

Work Study provides students with the opportunity to earn high school credit through real-world job experiences. This option is available to juniors and seniors who already hold a part-time job. To be approved for Work Study credit, students must complete an application that includes a section for their employer to fill out and sign. In addition, students are required to complete the Career Pathways portion of Xello, print it, and attach it to their application. Career goals must align with the student's job description, and students must be currently enrolled in or have successfully completed a class directly related to their Work Study job duties.

Once approved, students are responsible for submitting a signed printout of their timesheet each week. Participants must work a minimum of 15 hours and no more than 24 hours per week. Credit will not be awarded if weekly timesheets are not submitted, and students will be responsible for completing any necessary credit recovery to meet graduation requirements.

## Mechatronics I & II

Grade 11-12 – Full Year Required

Southgate Anderson High School

550HF

Henry Ford College/Flat Rock Auto Plant

*Prerequisite: Please see below*

V M

The Downriver Career Technical Consortium, in partnership with Henry Ford College, Ford Motor Company Flat Rock Assembly Plant, and UAW Local 3000, offers a two-year Mechatronics program. Students gain hands-on skills in electrical, mechanical, fluid power, computer control, and automation/robotics—key areas in modern manufacturing.

*Prerequisite: Students must hold 11th grade status and be on track to graduate, although 12th grade students may be admitted on a space-available basis. A minimum GPA of 2.0 or higher in core academic classes is required, along with an attendance record that meets the standards of the sending school district. In addition, Henry Ford College may require students to meet further prerequisites in order to participate.*

## Welding & Fabrication II

Grade 12 – Full Year Required

Flat Rock High School

192FR

*Prerequisite: "C" or better in Welding I and Instructor Approval*

V M

Welding II is designed for advanced students who have successfully completed Welding I and are ready to build on their foundational skills. This course offers deeper exploration of MIG, TIG, Arc, and gas welding techniques, with a focus on precision, fabrication, and real-world applications. Students will take on more complex projects, refine their craftsmanship, and gain experience with blueprint reading, metallurgy, and industry standards. Opportunities for certification preparation and advanced competition may also be available, helping students strengthen their readiness for postsecondary programs or entry into skilled trades careers.



**A**cademics

**R**esponsibility

**R**espect

**G**rowth

**H**onor

## **Vision**

RCCHS 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 students' learning.