

Riverdale High School

Course Selection Guide

2019-2020



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INTRODUCTION

This course handbook is intended for students and their parents who seek information about the courses and educational opportunities offered at Riverdale High School. The information in this handbook should help students and parents make thoughtful and purposeful decisions about which programs best meet the student's individual educational needs and future goals. A variety of classes are offered for students with different educational goals. However, students are urged to think of high school as a four-year comprehensive program, and not simply four one-year choices.

ADDING AND DROPPING CLASSES

In the spring, students select courses which will determine their course of study for the following year. These choices are considered to be binding upon the student following a verification of his/her choices of the selection of courses, and it must be understood that such courses should be chosen carefully and with genuine consideration of the student's future schooling. Once such choices are made, every effort should be exercised by both the parent and the student to adhere to them.

It should be understood by the parents and students that when registering for course work, a student places an obligation upon the school administration to accommodate the course requested, to staff them with qualified and certified teachers, and to provide adequate textbooks and materials. It is impossible to maintain acceptable class size balances when many requests for schedule changes are honored. A practice of schedule adjustments undermines the effectiveness of the computer operations of the school and is a financially irresponsible use of certified and non-certified staff time. Students are encouraged to make realistic course selections based upon teacher recommendations and actual classroom performance.

In rare circumstances where a student initiates the withdrawal from a course and school administration approves the withdrawal, a mark of "F" will be mandated if the request falls after the first week in a semester course or the second week in a year long course. The "F" is intended to indicate the lack of commitment, not necessarily the lack of achievement. The "F" will be calculated in the grade point average.

A student who is withdrawn from a course by administration for the violation of the course/behavior contracts will receive a mandated grade of "F" in that particular course and no academic credit will be awarded. The "F" will be calculated into the grade point average.

There are unique circumstances that a student may need to withdraw from a course without receiving a mandated "F". These circumstances must be agreed upon by the student, teacher, and administration.

NUMBER OF CLASSES REQUIRED PER YEAR

All students are required to enroll in a minimum of seven units of credit per year. **No student will be permitted to have more than one full study hall periods per day unless special circumstances are warranted.**

ATHLETIC ELIGIBILITY

The student-athlete must have passed 5 or more credits during the proceeding grading period with at least a 1.5 GPA.

MAKE UP CREDITS

Students failing to pass a required course will be given the option of summer school or credit recovery. Any fees associate with recovering the credit will be the responsibility of the student. In certain courses, students may not move to the next level of the failed course until the credit has been made up.

EARLY GRADUATION

Students who desire to accelerate their high school program in order to graduate upon the completion of only three years at Riverdale High School must submit a written request to graduate early to the school counselor by April 1 of their sophomore year. This must receive principal, superintendent, and board of education approval during the board meeting in May of the student's sophomore year.

CLASS SIZE REQUIREMENTS

Minimum class size of 6 students is required for a course offering. Maximum class size will be limited to 25 students, unless teacher and administrative approval is granted. Any class that does not have the required number of students registered may be dropped at administration's discretion.

GRADUATION REQUIREMENTS

Twenty-one units of credit are required for graduation. No semester credit will be given for courses that are dropped prior to the end of the semester.

Requirements for a Riverdale High School Diploma

English	4
Social Studies	3
Math	4 (Must include Algebra II or equivalent)
Science	3
Health	½ (1 Semester)
Physical Education	½ (2 Semesters)
Electives	6 Must include at least 2 semesters of fine arts
<i>Financial Literacy</i>	All students must receive instruction in financial literacy during grades 9-12.
<i>Fine Arts</i>	All students must complete 2 semester of fine arts during grades 7-12.

The total number of credits for graduation is 21.

GRADING POLICY

Riverdale Local Schools has a standard grading procedure as well as additional notations that may indicate work in progress or incomplete work. The purpose of a grade is to indicate the extent to which the student has acquired the necessary proficiency in a class. In general, students earn grades based upon test results, homework, projects and class participation. Each teacher places different emphasis on these areas in determining a grade, and will inform the student at the beginning of the school year about the grading policies for that particular class.

The school uses the following grading system:

92-100	A	Excellent achievement
83-91	B	Good achievement
74-82	C	Satisfactory achievement
65-73	D	Minimum acceptable achievement
	F	Failure
	I	Incomplete
	P	Pass—no letter grade counted in GPA

College Credit Plus classes may use a different grading scale and will be given to students on the first day of class via the course syllabus.

Only the final grade will be calculated in the student's "official" GPA.

DETERMING GRADE LEVELS

0---4½ credits	Freshman
4½---9½ credits	Sophomore
9½ --14½ credits	Junior
14½--21 credits	Senior

DIPLOMAS

Riverdale High School offers two different types of diplomas.

Regular Diploma

The student shall successfully complete the curriculum developed by Riverdale High School. The student shall demonstrate basic competency by meeting the requirements of one of the Ohio Graduation Pathways. Diplomas will not be awarded until all requirements are met.

Honors Diploma

There are five pathways towards an honors diploma as listed below:

Students in the class of 2020 may choose to pursue the Academic or Career Tech honors diploma under the previously established criteria or the revised criteria. They may also choose to pursue the STEM, Arts, or Social Science and Civic Engagement honors diploma.

Students in the classes of 2021 and beyond must meet the revised criteria to earn an honors diploma. The following chart outlines the requirements of an honors diploma.

Academic Honors Diploma Requirements *Est Criteria*

Meet **seven of the eight** criteria listed below:

1. English - 4 units
2. Mathematics - 4 units, must include Algebra I, Geometry, Algebra II and one additional college prep math.
3. Science - 4 units, including **physics and chemistry**. (The Riverdale BoE (2010) approved Honors Physical Science to fulfill the Physics requirement.)
4. Social Studies - 4 units
5. World Languages - 3 units of one world language, or no less than 2 units of two world languages studied.
6. Fine Arts - 1 unit (This can be fulfilled with one credit of following: Art, Band, Choir, Music Theory, or Industrial Arts.)
7. 3.5 on a 4.0 scale
8. Obtain a composite score of 27 on the ACT or a 1280 on the SAT (excluding writing).

Academic Honors Diploma Requirements *Revised Criteria*

Meet **six of the seven** criteria listed below:

1. Mathematics - 4 units, must include Algebra I, Formal Geometry, Algebra II and one additional college prep math.
2. Science - 4 units, including **two units of advanced science**
3. Social Studies - 4 units
4. World Languages - 3 units of one world language, or no less than 2 units of two world languages studied.
5. Fine Arts - 1 unit
6. 3.5 on a 4.0 scale
7. Obtain a composite score of 27 on the ACT or a 1280 on the SAT (excluding writing).

Career-Technical Honors Diploma Requirements *Est Criteria*

Meet **seven of the eight** criteria listed below:

1. English - 4 units
2. Mathematics - 4 units, must include Algebra I, Geometry, Algebra II, and one additional college prep math.
3. Science - 4 units, including 2 advanced sciences.
4. Social Studies - 4 units
5. Electives - 4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.
6. 3.5 on a 4.0 scale
7. Obtain a composite score of 27 on the ACT or 1210 on the SAT (excluding writing) or a minimum of 6 on the Reading WorkKeys Assessment and a minimum of a 6 on the Math WorkKeys Assessment.
8. Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

Career-Technical Honors Diploma Requirements *Revised Criteria*

Meet **nine of the ten** criteria listed below:

1. Mathematics - 4 units, must include Algebra I, Geometry, Algebra II, and one additional college prep math.
2. Science - 4 units, including 2 advanced sciences.
3. Social Studies - 4 units
4. World Languages - 2 units of one world language studied.
5. Electives - 4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.
6. 3.5 on a 4.0 scale
7. Obtain a composite score of 27 on the ACT or 1280 on the SAT (excluding writing) or a minimum of 6 on the Reading WorkKeys Assessment and a minimum of a 6 on the Math WorkKeys Assessment.

8. Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
9. Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.
10. Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

STEM Honors Diploma Requirements

Meet **ten of the eleven** criteria listed below:

1. English - 4 units
2. Mathematics - 5 units, must include Algebra I, Geometry, Algebra II, and one other higher level course.
3. Science - 5 units, including 2 advanced sciences.
4. Social Studies - 3 units
5. World Languages - 3 units of one world language, or no less than 2 units of two world languages studied.
6. Fine Arts - 1 unit
7. Electives - 2 units with a focus in STEM courses.
8. 3.5 on a 4.0 scale
9. Obtain a composite score of 27 on the ACT or 1280 on the SAT (excluding writing).
10. Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
11. Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.

Arts Honors Diploma Requirements

Meet **ten of the eleven** criteria listed below:

1. English - 4 units
2. Mathematics - 4 units, must include Algebra I, Geometry, Algebra II, and one other higher level course.

3. Science - 3 units, including 1 advanced sciences.
4. Social Studies - 3 units
5. World Languages - 3 units of one world language, or no less than 2 units of two world languages studied.
6. Fine Arts - 4 unit
7. Electives - 2 units with a focus in fine arts course work.
8. 3.5 on a 4.0 scale
9. Obtain a composite score of 27 on the ACT or 1280 on the SAT (excluding writing).
10. Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
11. Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.

Social Science & Civic Engagement Diploma Requirements

Meet **ten of the eleven** criteria listed below:

1. English - 4 units
2. Mathematics - 4 units, must include Algebra I, Geometry, Algebra II, and one other higher level course.
3. Science - 3 units, including 1 advanced sciences.
4. Social Studies - 5 units
5. World Languages - 3 units of one world language, or no less than 2 units of two world languages studied.
6. Fine Arts - 1 unit
7. Electives - 3 units with a focus in social sciences and/ or civics.
8. 3.5 on a 4.0 scale
9. Obtain a composite score of 27 on the ACT or 1280 on the SAT (excluding writing).
10. Complete a field experience and document the experience in a portfolio specific to the student's area of focus.

11. Develop a comprehensive portfolio of work based on the student’s field experience or a topic related to the student’s area of focus that is reviewed and validated by external experts.

Criterion	Ohio Diploma	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma (Includes dance, drama/theatre, music, and visual art)	Social Science & Civic Engagement Honors Diploma
Math	4 units, must include one unit of algebra II or equivalent	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	5 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content ⁴	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 course sequence that contains equivalent or higher content
Science	3 units	4 units, including two units of advanced science ²	4 units, biology, chemistry, and at least one additional advance science ²	4 units, including two units of advanced science ²	5 units, including two units of advanced science ²	3 units, including one unit of advanced science ²	3 units, including one unit of advanced science ²
Social Studies	3 units	4 units	4 units	4 units	3 units	3 units	5 units
World Languages	N/A	3 units of one world language, or no less than 2 units of each of two world languages studied	4 units minimum, with at least 2 units in each language studied	2 units of one world language studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	2 Semesters	1 unit	1 unit	N/A	1 unit	4 units	1 unit
Electives	5 units	N/A	N/A	4 units of Career-Technical minimum ³	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/WorkKeys¹	N/A	27 ACT/1280 SAT ⁴	27 ACT/1280 SAT ⁴	27 ACT/1280 SAT ⁴ /WorkKeys (6 Reading for Information & 6 Applied Mathematics) ⁷	27 ACT/1280 SAT ⁴	27 ACT/1280 SAT ⁴	27 ACT/1280 SAT ⁴
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student’s area of focus ⁵	Complete a field experience and document the experience in a portfolio specific to the student’s area of focus ⁵	Complete a field experience and document the experience in a portfolio specific to the student’s area of focus ⁵	Complete a field experience and document the experience in a portfolio specific to the student’s area of focus ⁵	Complete a field experience and document the experience in a portfolio specific to the student’s area of focus ⁵
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student’s field experience or a topic related to the student’s area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student’s field experience or a topic related to the student’s area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student’s field experience or a topic that is related to the student’s area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student’s field experience or a topic that is related to the student’s area of focus that is reviewed and validated by external experts ⁶	Develop a comprehensive portfolio of work based on the student’s field experience or a topic that is related to the student’s area of focus that is reviewed and validated by external experts ⁶
Additional Assessments	N/A	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A	N/A	N/A

COLLEGE PREPARATORY “CORE CURRICULUM” REQUIREMENTS

Colleges and universities require or highly recommend the following core of academic courses for unconditional admission.

Course	Credits
English	4 (Honors English)
Math	4 (Algebra I, II Geometry, Trigonometry, and Calculus advised)
Social Studies	3-4
Science	3-4 (Honors Physical Science, Biology, Chemistry)
Foreign Language	2-3 (same language)
Fine Arts	1
Technology	1

Recommended College Prep. Curriculum

Freshman Year

(Honors) English 9
Algebra I/Geometry
(Honors) Physical Science
(Honors) US History
Health/P.E.
Spanish I
Electives

Sophomore Year

(Honors) English 10
Geometry/Algebra II
(Honors) Biology
(Honors) World History
P.E./Personal Finance
Spanish II
Electives

Junior Year

College Writing I & II
Algebra II/Trig. & Pre-Calc.
(Honors) Chemistry/Anatomy & Physiology
Spanish III
Government
Electives

Senior Year

Trig. & Pre-Calc/AP Calculus/Stats
Physics/ Advanced Chemistry
Spanish IV
Electives

COLLEGE CREDIT PLUS

It is now possible for students to attend a state assisted, public or private college, university, or technical college on a part-time or full-time basis and receive both high school and college credit for their course work tuition free to the student. The high school counselor will meet with students and parents who have interest in this during the scheduling process. There are a number of informational items and details to discuss about this program. College Credit Plus contains a number of benefits, but also certain risks. Colleges and universities have developed a selection process and criteria that need to be met for acceptance into their program. Students are responsible for meeting these criteria and/or working with the college to do so.

Students enrolled in CCP classes are college students. They will not receive quarter grades or use ProgressBook to track grades. Students are responsible for understanding the different policies that apply to CCP classes, including but not limited to the outlined information below.

Classes taught in the Riverdale building by Riverdale faculty

- Students must fill out the college application and turn it into the counselor
 - Your transcript is automatically added and sent into the college
- Students must take any applicable placement tests
- Student may then sign up for the Riverdale/College class through the normal scheduling process
- If there is an issue with your admission, the counselor and/or teacher will talk to you about your options
- Your text book will be given to you in the classroom

Classes offered outside of the Riverdale classroom

- Students are responsible for applying to the college of their choice
- Students should request that their transcript and any additional materials be sent to the college
- Students will have to schedule their own placement tests at the college if needed
- Students will meet with a college advisor to schedule their classes
 - A copy of the schedule should be given to the counselor once available
- Students may have to attend an on campus orientation
- Students must pick up their own textbooks and any required materials
- If the student desires to have any class changes, they must contact their college advisor

The following tables depict select college credit pathways developed in conjunction with Owens Community College. (**NOTE: THESE ARE NOT THE ONLY PATHWAYS THAT ARE AVAILABLE TO RIVERDALE STUDENTS. By participating in the CCP Program students may take college courses through any college that Riverdale has an agreement with, these include, but are not limited to: Bowling Green State University, Rhodes State College Marion Technology College, and Owens Community College.*) Using these pathways students would be eligible for 15 or 30 hours of college credit at the completion of the pathway. Students may also take classes not identified on the pathway and receive the appropriate credit.

*These classes are also offered as part of the Riverdale curriculum in conjunction with Marion Technical College. Students may choose to take these classes at Riverdale and receive Marion Technical College credit.

15 Hour Pathway			
Fall	Credit Hrs	Spring	Credit Hrs
ENG 111	3	ENG 112	3

SOC 101*	3	PSY 101*	3
IST 131*	3		

30 Hour Pathway			
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Fall	Credit Hrs	Spring	Credit Hrs
ENG 111	3	ENG 112	3
SOC 101*	3	PSY 101*	3
IST 131*	3	ART 101	3

GOV 111	3	ECO 201	3
SPE 101	3	HUM 275	3

High School Courses

- Courses marked with a double asterisk (**) are CCP courses offer on the RHS campus.

AGRICULTURAL EDUCATION

Ag., Food & Natural Resources	(1)	Business of Agriculture	(1)
Animal and Plant Science	(1.25)	Ag Capstone	(1)
Mechanical Principles	(1.25)	Science and Technology of Food	(1)

BUSINESS EDUCATION

Computer Applications**	(1)	Corporate Accounting Principles**	(1)
Personal Finance	(1/2)	Managerial Accounting Principles**	(1)
Principles of Marketing**	(1)	Web Page Design	(1/2)
Computer Concepts	(1/2)		

ENGLISH

English 9	(1)	English 11	(1)
English 9, Hnrs.	(1)	English 10	(1)
English 12	(1)	English 10, Hnrs.	(1)
College Writing I**	(1)	College Writing II**	(1)
Publications (yearbook)	(1)	Modern American Lit**	(1)
Film and Documentaries	(1/2)	Mythology II	(1/2)
Mythology I	(1/2)	Independent Reading II	(1/2)
Independent Reading I	(1/2)	Author Studies	(1/2)

FINE ARTS

Painting	(1/2)	Advanced Painting	(1/2)
Drawing	(1/2)	Crafts	(1/2)
Ceramics	(1/2)	Advanced Ceramics	(1/2)
Design	(1/2)	Show Choir	(1/2)
Band	(1)	Choir	(1/2)

FOREIGN LANGUAGE

Spanish I	(1)	Spanish II	(1)
Elementary Spanish I**	(1)	Elementary Spanish II**	(1)
Intermediate Spanish I**	(1)	Intermediate Spanish II**	(1)

HEALTH, PHYSICAL EDUCATION

Health 9	(1/2)	Isotonics	(1/4)
Physical Education 9	(1/4)	Advanced Training	(1)

INDUSTRIAL TECHNOLOGY

Industrial Tech. I	(Introduction to Technology)	(1)
Industrial Tech. II	(Industrial Technology)	(1)
Industrial Tech. III	(Advanced Woods)	(1)
AutoCad and Architecture		(1)
Robotics		(1)
Engineering Design		(1)
Engineering Capstone		(1)

MATHEMATICS

Algebra I	(1)	Hrs. Algebra I	(1)
Geometry	(1)	Hrs. Geometry	(1)
Algebra II	(1)	Hrs. Algebra II	(1)
Trig/ Pre-Calc	(1)	Hrs. Trig/ Pre- Calc	(1)
Calculus**	(1)	Statistics**	(1)
Senior Math	(1)		

SCIENCE

Physical Science	(1)	Hrs. Physical Science	(1)
Biology	(1)	Hrs. Biology	(1)
Environmental Science	(1)	Chemistry	(1)
Physics	(1)	Current Events in Science	(1/2)
Human Anatomy & Physiology I**	(1)	Human Anatomy & Physiology II**	(1)
Forensic Science I	(1/2)	Forensic Science II	(1/2)
Science in Sports	(1/2)	Zoology	(1/2)
Botany	(1/2)	Introduction to Anatomy/Physiology	(1)
Hrs. Chemistry	(1/2)		

SERVICE LEARNING

Teen Leadership Corps	(1)
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SOCIAL STUDIES

United States History	(1)	Hrs. United States History	(1)
World History	(1)	Hrs. World History	(1)
Government	(1)	Psychology**	(1)
Sociology**	(1)	Human Growth and Development**	(1)
Diversity**	(1)		

MILLSTREAM CAREER AND TECHNOLOGY PROGRAMS

Programs available to ALL Juniors and Seniors.

All programs are worth 3 credits unless indicated otherwise.

- Automotive Technology
- Building & Grounds Maintenance
- Computer Networking & Support
- Construction Skills Technology
- Cosmetology
- Culinary Arts
- Engineering & CAD Technology
- Hospitality & Restaurant Services
- Marketing
- Media Production & Visual Design
- Office & Print Technologies
- Programming & Software Development
- Teaching Professions
- Welding

ENGLISH

(4 credits to graduate)

ENGLISH 9-12

Credit: 1.0

2 Semesters

All students are required to take four years of English, during which they will be trained in the use of the language process of reading, writing, listening, viewing, and speaking. Honors English contains more in-depth coverage of the material. Honors English 9 enrollment requires an A average in 8th grade language arts and reading along with a teacher recommendation. **Honors English 10, 11, 12 requires a B average in the prior advanced course or an A average in General English with teacher recommendation.** A placement test may also be required for any student hoping to advance into the next level honor course.

Although sometimes overlapping, primary consideration of certain subject area will be emphasized as follows:

ENGLISH 9

National Common Core Standards
The Writing Process
World Literature
Grammar

ENGLISH 10

National Common Core Standards
World Literature
Speech
Writing
Research Writing (*honors)

ENGLISH 11

National Common Core Standards
American Literature
Speech
Writing

ENGLISH 12

Research & Critical Writing
English Literature
Career Exploration & Application

COLLEGE WRITING I (CCP)

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

1 Semester

This is a CCP course offering of Bowling Green State University's GSW1110. Students must pass BGSU placement tests to qualify for this course. This class is part of Ohio's Transfer Assurance Guides (TAGs) and the Ohio Transfer Module (OTM). The course is basic expository writing with an emphasis on organizing and developing four essays of at least 800 words for college- educated audiences. Students must complete course and program portfolio assessment successfully to receive a passing grade.

COLLEGE WRITING II (CCP)

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

1 Semester

This is a CCP course offering of Bowling Green State University's GSW1120. Students must pass BGSU placement tests to qualify for this course. This class is part of Ohio's Transfer Assurance Guides (TAGs) and the Ohio Transfer Module (OTM). Students write four argumentative essays, one of which is a research essay. Students must complete course and program portfolio assessment successfully to receive a passing grade.

FILM AND DOCUMENTARIES

Elective: 9, 10, 11, 12

Credit: .50

1 Semester

Students will watch, critique, and complete assignments on various classics in film or documentaries. Examples of films may include *Gone with the Wind*, *Roots*, and *Les Miserables*. Some research and discussion will be conducted on roles in the film industry and careers in

communications. Students will also film their own newscast and learn how to edit film. Students must have good attendance since films will be shown in class

*This course does not count for English credit towards graduation and is strictly elective.

MYTHOLOGY I

Elective: 9, 10, 11, 12

Credit: .50

1 Semester

If you are interested in learning about the Greek and Roman gods and goddesses and other mythical heroes, this elective is for you. Students will read about various myths and learn the names of gods, goddesses, and heroes, study constellations and the stories behind them, investigate mythological beasts, and find out what products, words, and other miscellaneous items that we have in our world today come from Greek mythology. There is a brief overview of Egyptian and Norse gods at the conclusion of the semester.

*This course does not count for English credit towards graduation and is strictly elective.

MYTHOLOGY II

Elective: 9, 10, 11, 12

Credit: .50

1 Semester

Prerequisite: Mythology I

This class is a continuation of Mythology I. It reviews Greek and Roman mythology and then focuses on other cultures such as Egyptian mythology, Norse mythology, Native American mythology, and others. Students will also have the opportunity to read a related myth novel (the Percy Jackson books, for instance). If you liked Mythology I, you will like this class too!

*This course does not count for English credit towards graduation and is strictly elective.

INDEPENDENT READING I and II

Elective: 9, 10, 11, 12

Credit: .50 per Sem

1 or 2 Semesters

Students will read independently during class time and take AR tests over the books they have chosen to read. Students are expected to read at least 4 books per 9 weeks to earn an "A".

*This course does not count for English credit towards graduation and is strictly elective

YEARBOOK

Elective: 10, 11, 12

Credit: .50 per Sem

2 Semesters

This class will have the responsibility of compiling the Riverdale High School yearbook. Students should have strong writing skills and must be prepared to devote time after school to cover sporting and extracurricular event. They should also be willing to spend time during the summer to complete the yearbook. Class size will be limited to 16 students, with priority to students who achieved a "B" or better in yearbook the previous year. Priority to new students will then be given starting with seniors, then juniors, and sophomores. Students may not enroll in the second semester unless they have previous experience in eDesign and instructor approval. *This course does not count for English credit towards graduation and is strictly elective

AUTHOR STUDIES

Elective: 9, 10, 11, 12

Credit: 0.5

1 semester

Famous authors and their works are the focuses of this course. Students will read works by authors such as Edgar Allan Poe and O'Henry, analyze, and compare the literature of the authors. Students will also read and study their own favorite contemporary authors.

CREATIVE WRITING

Elective: 9, 10, 11, 12

Credit: 0.5

1 semester

Creative writing is not academic or technical writing but still attracts an audience. It can be considered any writing that is original and self-expressive. The purpose of creative writing is to both entertain and share human experience, like love or loss. Writers attempt to get at a truth about humanity through poetics and storytelling. If you'd like to try your hand at creative writing,

just keep in mind that whether you are trying to express a feeling or a thought, the first step is to be imaginative. Here are some of the creative writing that will be done in the creative writing elective:

- Blogging/ Journaling
- Memoirs
- Poetry writing (limericks, haiku, sonnets, etc.)
- Narrative writing (story telling)
- Imitational writing (mirroring an author)
- Graphic novel/comic book writing
- Lyric writing (songs)
- Play scripts

FOREIGN LANGUAGE

SPANISH I Elective: 9, 10, 11, 12 Credit: 1
2 Semesters

Prerequisite: B average in English. (Freshmen are advised to have at least an 88 average in 8th grade English) or permission from the instructor.

The students will learn to read, write, and speak Spanish, as well as study Spanish culture.

SPANISH II Elective: 10, 11, 12 Credit: 1
2 Semesters

Prerequisite: C average in the prior level of Spanish and teacher recommendation.

This is a continuation of Spanish with deeper study of the language, literature, and culture.

ELEMENTARY SPANISH I (CCP) Elective: 7, 8, 9, 10, 11, 12 Credit: 1
1 Semesters

Prerequisite: Apply and be successfully admitted to Bowling Green State University

Introduction to Spanish language and to Hispanic cultures. Communicative approach to teach beginning language use in the four skill areas: listening, speaking reading, writing.

ELEMENTARY SPANISH II (CCP) Elective: 7, 8, 9, 10, 11, 12 Credit: 1
1 Semesters

Prerequisite: Elementary Spanish I

Introduction to Spanish language and to Hispanic cultures. Communicative approach to teach beginning language use in the four skill areas: listening, speaking reading, writing.

INTERMEDIATE SPANISH I (CCP) Elective: 7, 8, 9, 10, 11, 12 Credit: 1
1 Semesters

Prerequisite: Elementary Spanish II

Communicative approach to teach intermediate language use in the four skills areas: listening, speaking reading, writing (emphasis on composition). Reading and discussion in Spanish of cultural readings.

INTERMEDIATE SPANISH II (CCP) Elective: 7, 8, 9, 10, 11, 12 Credit: 1
1 Semesters

Prerequisite: Intermediate Spanish I

Communicative approach to teach intermediate language use in the four skills areas: listening, speaking reading, writing (emphasis on composition). Reading and discussion in Spanish of cultural readings.

SOCIAL STUDIES

(3 credits to graduate)

UNITED STATES HISTORY

Required 9

Credit: 1

2 Semesters

This course is a survey of American history from 1877 - Present.

HONORS UNITED STATES HISTORY

Optional 9

Credit: 1

2 Semesters

Prerequisite: Recommendation of 8th grade History teacher

Honors United States History presents the same basic curriculum as the general U.S. Studies class but taught at a brisk pace. Students will gain basic skills in analytical thinking, writing, public speaking, group and individual work as well as research and problem solving. This course will provide students with the opportunity to acquire an in depth and comprehensive understanding of the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the nation.

WORLD HISTORY

Required 10

Credit: 1

2 Semesters

World Studies is a survey of the history of the world and significant events in history between 1750 and present.

HONORS WORLD HISTORY

Optional 10

Credit: 1

2 Semesters

Prerequisite: Honors US History and/or recommendation of the US History teacher.

This class is similar in content to World History (described above) but is designed to challenge the college bound student.

GOVERNMENT

Required 11

Credit: 1

2 Semesters

Pre-requisite: World History & U.S. History

This course is the study of the organization and operation of the federal, state, and local governments. The course is also an in-depth study of the political and economic systems of the world.

PSYCHOLOGY (CCP)

Elective 7, 8, 9, 10, 11, 12

Credit: 1

1 Semester (*offered on the start of school year on 'odd' years—i.e. 2019, 2021*)

This is a CCP course offering of Marion Technical College PSY1100 on the Riverdale campus. This class is an introduction to theories and techniques used by psychologists for describing, explaining, predicting and influencing human behavior. Topics covered include learning, cognition, intelligence, motivation, emotion, personality and abnormal behavior. This course is available in BLENDED or ONLINE formats in addition to RHS class lecture. This class is part of Ohio's Transfer Assurance Guides (TAGs) and the Ohio Transfer Module (OTM).

SOCIOLOGY (CCP)

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

1 Semester (*offered on the start of 'even' years—i.e. 2020, 2022*)

This is a CCP course offering of Marion Technical College SOC1200 on the Riverdale campus. This course will introduce students to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, social institutions, and social change. Major themes that will be examined in this course include the interplay between the individual and society, how society is both stable and changes, the causes and consequences of

social inequality, and the social construction of human life. Students will be able identify and should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups and societies. This course is available in BLENDED or ONLINE formats in addition to RHS class lecture. This class is part of Ohio's Transfer Assurance Guides (TAGs) and the Ohio Transfer Module (OTM).

ETHNIC & CULTURAL DIVERSITY (CCP) Elective: 7, 8, 9, 10, 11, 12 Credit: 1
1 Semester (*offered on the start of 'even' years—i.e. 2020, 2022*)

This is a CCP course offering of Marion Technical College HSS2020. This course will introduce the student to the richness of diversity within the United States. The course will examine the similarities and differences of people of various racial and cultural heritages. Topics that will be examined include: the origin and effects of prejudice and discrimination, and investigations into the historical experiences of the major racial and ethnic groups in America. Students will have the opportunity to assess their own attitudes regarding the diversity this nation offers. Students will gain information that will assist in improving their ability to relate to people of diverse backgrounds. Also available in BLENDED or ONLINE formats in addition to RHS Lecture. This class is part of Ohio's Transfer Assurance Guides (TAGs) and the Ohio Transfer Module (OTM).

HUMAN GROWTH & DEVELOPMENT (CCP) Elective: 7, 8, 9, 10, 11, 12 Credit: 1
1 Semester (*offered the start of school year on 'odd' years—i.e. 2019, 2021*)

Prerequisite: PSY 1100

This is a CCP offering of Marion Technical College PSY2100 on the Riverdale campus. This class provides an advanced study of human development over the life span, from conception to death. Included are emotional, intellectual, moral, physical, and social development. PSY2100 offers an analysis of the interaction of human characteristics within the individual and the relationship between individuals and their environment at various stages in development. Also, available BLENDED or ONLINE formats in addition to RHS Lecture. This class is part of Ohio's Transfer Assurance Guides (TAGs) and the Ohio Transfer Module (OTM).

SERVICE LEARNING

TEEN LEADERSHIP CORPS Elective: 11, 12 Credit: 1
2 Semesters

Pre-requisite: Completion of application, acceptance into the program, and signed contract, 2.0 GPA

The Teen leadership Corps class is part of an organization that empowers students to achieve leadership through service to their school and community. This course centers around service learning and creating environments and communities that are positive, safe, understanding, and inspiring. You will identify your personal leadership style, as well as your personality type, in order to build and develop your leadership potential. This class emphasizes service learning, project-based learning, team-building, collaboration, presentation skills and character. Students will also analyze and evaluate national and local leaders as well as organizations that have benefitted the local community and the American public. Students may become involved in other area organizations as well both inside the school and with the outside community. Students in this class will be expected to act socially responsible, as they will be representatives of their school and community, as well as sign a Confidentiality and No Use Agreement Form.

MATHEMATICS

(4 credits to graduate)

ALGEBRA I

Required: 9

Credit: 1

2 Semesters

Students will work extensively with linear equations including solving, graphing and analyzing problems. The language and notation for functions will be used. Students will also explore systems of equations and quadratic equations. Other topics include polynomial operations, factoring, exponents and radicals. The purchase of a TI-84+ is strongly recommended.

HONORS ALGEBRA I

Optional: 8, 9

Credit: 1

2 Semesters

Prerequisite: This class is by teacher placement only.

Students will work with functions including solving, graphing and analyzing problems using algebraic equations and inequalities. They will work with linear functions, systems of linear functions, exponential functions and quadratic functions. Students will explore algebraic reasoning and concepts. They will also focus on systems of equations, linear inequalities, quadratics, polynomial operations, exponents and radicals. The purchase of a TI-84+ is strongly recommended.

GEOMETRY

Required: 9, 10

Credit: 1

2 Semesters

Prerequisite: Algebra I.

In this course, the students will organize their observations about the properties and relationships of two and three-dimensional figures into a logical thought system. Compass and straightedge constructions will be explored. Students must combine good memorization skills with logical thinking in order to be successful in problem solving. Good study habits, including study time spent outside class are necessary for success.

HONORS GEOMETRY

Optional: 9, 10

Credit: 1

2 Semesters

Prerequisite: C or higher in Honors Alg. I or an A in Algebra I

Refer to Geometry. Honors Geometry is a course designed for the mathematically talented student seeking a more in-depth approach. The pace is faster and the scope of the course is wider with more experience with solid figures. Problem solving will be on a more challenging level and a more rigorous approach to formal proof will be employed. Upon completion of the course, the student should have a clear understanding of how a mathematical system is developed.

ALGEBRA II

Required: 10, 11, 12

Credit: 1

2 Semesters

Prerequisite: Geometry and C or higher in Algebra I

Algebra II is the third course in our college prep math sequence. Topics covered include: review of the properties of real numbers, sets, theories, solving equations, graphing linear open sentences and working with polynomials. Also included: other number systems (rational, irrational and imaginary), relations and functions and quadratic systems. The purchase of a TI-84+ is strongly recommended.

HONORS ALGEBRA II

Optional: 10, 11

Credit: 1

2 Semesters

Prerequisite: C or better in Honors Geometry or A in Geometry with teacher's recommendation
The student will apply algebraic concepts in the study of patterns, relations and functions. Topics from Algebra I that are studied in more depth include linear equations, system of equations, graphing linear functions, polynomial operations, exponents and irrational numbers. Other topics covered include matrices, quadratics, sequence and series, conic sections, complex numbers and data analysis. The purchase of a TI-84+ is strongly recommended.

TRIGONOMETRY/PRE-CALCULUS

2 Semesters

Elective: 11, 12

Credit: 1

Prerequisites: C or better in Algebra II.

This course is a study of trigonometry and pre-calculus. It includes topic of radian measurement, angles, central angles and their measurements, circular functions, trigonometric function, right triangles, Law of Sines, Law of Cosines, graphing of trigonometric functions, basic trigonometric identities, polar coordinates, vectors, and limits. The purchase of a TI-84+ is strongly recommended.

HONORS TRIGONOMETRY/PRE-CALCULUS

1 Semester

Elective: 11, 12

Credit: 1

Prerequisites: C or better in Honors Algebra II or A in Algebra II with teacher recommendation.

This course is designed for the highly motivated student who has a strong background in both algebra and geometry. This course is a study of trigonometry and pre-calculus. It includes topic of radian measurement, angles, central angles and their measurements, circular functions, trigonometric function, right triangles, Law of Sines, Law of Cosines, graphing of trigonometric functions, basic trigonometric identities, polar coordinates, vectors, and limits. The purchase of a TI-84+ is strongly recommended.

CALCULUS (CCP)

2 Semesters

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

Prerequisites: Admittance to Marion Technology College and Placement into course.

This is the first course in Calculus. Topics include a) Functions including a review of functions, representing functions, and trigonometric functions; b) Limits including definitions and techniques for computing limits, infinite limits, limits at infinity, and continuity; c) Derivatives including the rules of differentiation, derivatives of trigonometric functions, implicit differentiation, and the chain rule; d) Applications of the Derivative including maxima and minima, graphing functions, optimization problems, the mean value theorem, and L'Hopital's rule; e) Integration including area under curves, definite integrals, the fundamental theorems of calculus, and the substitution rule; f) Applications of Integration including velocity and net change, regions between curves, volumes by slicing and shells, length of curves and physical applications. Students are required to have a TI-83 Plus, TI-84 Plus, or equivalent graphing calculator.

STATISTICS (CCP)

1 Semesters

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

Prerequisites: Admittance to Marion Technology College and Placement into course.

Statistics is an introduction to descriptive and inferential statistical methods including sampling, probability, point and interval estimation, hypothesis testing, and regression. Real data and appropriate technology will be used.

SENIOR MATH

2 Semesters

Elective: 12

Credit: 1

This class is designed as a 4th year math option for students who have completed Algebra II and enrollment is based on teacher recommendation. Students will cover a variety of topics including math for everyday living skills, statistics and probability, and other math review concepts.

SCIENCE

(3 credits to graduate)

College bound students are encouraged to take 4 units of science or more. College prep sciences, which offer significant laboratory experiences, include: Honors Physical Science/Physical Science, Honors Biology/Biology, Chemistry, AP Chemistry, Physics and Anatomy & Physiology. Elective non-college preparatory science includes Environmental Science to complete the three science credit requirement for graduation.

Students passing Animal and Plant Science AND Mechanical Principles will fulfill their requirement for the third elective science credit.

PHYSICAL SCIENCE

Required 9

Credit: 1

2 semesters

This will be a general physical science course designed for most freshman students. Physical Science will follow Ohio Common Core Curriculum and cover objectives relating to chemistry, physics and a brief assessment on space science.

HONORS PHYSICAL SCIENCE

Optional 9

Credit: 1

2 semesters

Prerequisites: "A" in 8th grade science and must have completed 8th grade Algebra or pass a placement test

This course is designed for those freshman students who have excelled in the science and math fields. This will be an accelerated version of Physical Science and will be designed to prepare students for future chemistry and physics courses.

BIOLOGY

Required 10

Credit: 1

2 semesters

Prerequisites: Physical Science

This course is designed for sophomore students. Investigations of the composition, diversity, complexity and interconnectedness of life on Earth will be the main focus of this course. Biology will also follow the Ohio Common Core Curriculum.

HONORS BIOLOGY

Optional 10

Credit: 1

2 semesters

Prerequisites: Honors Physical Science, or Physical Science and a placement test

This course designed for those sophomore students who have excelled in the science and math fields. This will be an accelerated version of Biology with an in depth focus on given topics and will emphasize laboratory investigations and inquiry based learning. Honors Biology will be designed to prepare students for future life science courses.

CHEMISTRY

Optional 11

Credit: 1

2 semesters

Prerequisites: students must have a physical science and biological science credit, and Geometry

This course will be for juniors or seniors especially those students on college preparatory track. The principles of chemistry are developed through an experimental approach within the lab as well as independent learning methods.

HONORS CHEMISTRY

Optional 11

Credit: 1.5

2 semesters

This course will investigate multiple sports and how science explains the performance of the different athletes.

CURRENT EVENTS IN SCIENCE

Elective 10, 11, 12

Credit: .50

1 semester

Students will use current events to focus on world and local issues that relate to the sciences. Student will also have the opportunity to pick a current topic of interest and complete a research project including interview of local related career. Guest speakers and field trips may accompany this course. This course uses newspapers, online media, cartoons, and newscasts to support class discussion.

ZOOLOGY

Elective 11, 12

Credit: .50

1 semester

Students will survey the nine major phyla of the kingdom Animalia. This course will allow students to research and discover topics associated to animals, including their anatomy and interrelationships, their physiology and genetics, and their distributions and habitats.

BOTANY

Elective 11,12

Credit: .50

1 semester

Students will discover the fundamental principles of botany and the plant sciences. Topics include the study of plant form, function, and reproduction, and an overview of plant diversity including bryophytes, ferns, and seed plants.

INTRODUCTION TO ANATOMY

Elective 11,12

Credit: 1

2 semester

This will be a basic, introductory, high school course over the human body. We will examine how and why the human body works as it does and how it works together. This will prepare students for further science classes or just to answer questions about how the body works. There will be laboratory components which may include microscopy, dissection, EKGs, among others.

PHYSICAL EDUCATION

Students who have participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons while enrolled in grades 9 through 12, and as documented by the athletic director may be excused from .25 credit of the high school physical education requirement.

Students will still need to complete at least 1 semester of physical education or its equivalent.

PHYSICAL EDUCATION

Required: 8, 9, (2 semesters)

Credit: .25

1 Semester

This class is the study and development of coordination and physical skill required for participation in various individual, team, and lifetime activities. In addition, students will have the opportunity to become physically fit, practice teamwork and sportsmanship. Once two successful semesters are completed a student may not take an additional semester of PE.

ISOTONICS

Elective: 9, 10, 11, 12

Credit: .25 per semester

2 Semesters

Isotonics deals with the conditioning of the human body. Students will learn the fundamentals of how to improve his/her strength and flexibility through the use of proper teaching of strength training exercises, basic nutrition, and basic kinesiology.

ADVANCED TRAINING

Elective: 10, 11, 12

Credit: 1

2 Semesters

Pre-requisite: PE credits must be fulfilled

This course is designed for the student athlete. An emphasis will be placed on health, nutrition, and wellness.

Students need to enjoy physical education and daily activity to have a positive experience in this class. This class aims to increase a positive self-attitude, increase lean muscle mass, instruct on injury prevention, increase muscular strength, endurance, lean body mass, and muscle tone, and enhance athletic performance. Enrollment is limited to 20 students.

HEALTH

Required: 9

Credit: .50

1 Semester

Health includes a combined study of the body and health habits, plus an understanding of the makeup and development of the body, concentrating on the need for good health practices for the individual, now and in the future. There will also be units of first aid included.

BUSINESS EDUCATION

COMPUTER APPLICATIONS (CCP)

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

1 Semester

This course is taught as a CCP course through Rhodes State College (CPT 1250). It introduces students to essential concepts in computer terminology, hardware components, operating systems and software issues. The student will have hands-on introduction to word processing, spreadsheet, presentation and database software using the Windows operating environment. Students will be required to prepare letters, reports and other documents and will be required to import data between the word processing and spreadsheet software applications. Some keyboard experience is recommended before taking this class.

PRINCIPLES OF MARKETING (CCP)

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

1 Semester

This course is taught as a CCP course through Rhodes State College (MKT 1010). It introduces the essentials of marketing. The environments of marketing, the nature of the consumption forces in the economy, the institutional structure of the American marketing system, distribution, wholesaling and retailing, ultimate consumers and industrial consumers and pricing are studied in detail.

CORPORATE ACCOUNTING PRINCIPLES (CCP)

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

2 Semesters

This course is taught as a CCP course through Rhodes State College (ACC 1010). It introduces students to fundamental accounting principles for corporations. The students will learn the analysis of business transactions (external and internal) and their effect on the accounting equation; the processing and flow of data from the recording of source documents to the closing of the books (accounting cycle); accounting for assets; cash, receivables, plant and intangible assets; inventories. In addition it covers both short-term and long-term liabilities (bonds); as well as the corporate structure including the nature, type and issuance of stock transactions.

MANAGERIAL ACCOUNTING PRINCIPLES (CCP)

Elective: 7, 8, 9, 10, 11, 12

Credit: 1

1 Semester

Pre-requisite: Corporate Accounting Principles

This course is taught as a CCP course through Rhodes State College (ACC 1020). It introduces students to fundamental managerial accounting principles. The students will learn the basics to internal accounting processes along with how to determine the cost of a product, study cost behavior and analysis, appropriate profit reporting, budgeting, performance evaluation, differential analysis and capital investment analysis.

PERSONAL FINANCE

Elective: 9, 10, 11, or 12

Credit: .50

1 Semester

This course will focus on personal financial management. Topics covered will include: banking, checking accounts, debit/credit cards, loans, insurance, budgeting, investing, taxes and being an informed consumer. Basic economic concepts (supply and demand) will be covered.

WEB PAGE DESIGN

Elective: 9, 10, 11, 12

Credit: .50

1 Semester

This course will focus on using various free websites for building a website as well as using a Content Management System and basic HTML coding. Students will also learn to format and design a web page.

COMPUTER CONCEPTS

Elective: 9, 10, 11, 12

Credit: .50

1 Semester

Students will actively investigate and explore beginning and intermediate computer concepts along with creating and performing computer based multimedia projects using various software and web applications.

INDUSTRIAL TECHNOLOGIES

INDUSTRIAL TECHNOLOGIES

Elective: 9, 10, 11, 12

Credit: 1

2 Semesters

Industrial technologies can best be described as a system of instruction that utilizes real-world problems in the classrooms and laboratories. By focusing on actual problems and situations, students are able to make a direct connection between schoolwork and the world of work. Tech Prep is a national initiative with programs in place in high schools, community colleges, and technical colleges. These are lab classes and a high rate of attendance is required.

INTRODUCTION TO TECHNOLOGY - level 1

Covers: Safety, Introductory Wood/ Metal Projects, Intro to Lumber/Metal Industries

INDUSTRIAL TECHNOLOGY -level 2

Covers: Two wood projects, Welding Unit and Project, Residential Wiring

ADVANCED WOODS- level 3

Covers: Design basics, Individual Problem Solving, Advanced Woodworking Project

AutoCAD AND ARCHITECTURE

Elective: 10, 11, 12

Credit: 1

2 semesters

This class involves learning AutoCAD basics, Hand drafting, and 3D Design. It will introduce architectural principals and use programs such as Dream Home Design, Google Sketchup, and Inventor. Students will also design and compete in a Trebuchet competition. No prior Industrial Art experience is needed.

ROBOTICS

Elective: 11, 12

Credit: 1

2 semesters

Pre-requisite: Introduction to Technology and Trig/ Pre Calc

This class involves learning basic computer programming skills. Students will learn C++ and how to apply it to real-world applications. They will be introduced to VEX robotics and have the opportunity to enter contests such as a national robotics competition held in Marion, Ohio.

ENGINEERING DESIGN

2 semesters

Elective: 11, 12

Credit: 1

The focus of Engineering Design is the application of the engineering design process. Topics include work- processes, optimization methods, design optimization, and risk management tools. Students will use 2D and 3D modeling software to help them design solutions to solve proposed problems, document their work, and communicate solutions. Additionally, students will interpret industry prints, and create working drawings from functional models. Emphasis is given to experimental problem solving.

ENGINEERING CAPSTONE

Elective: 12

Credit: 1

2 semesters

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in the Engineering program in a more comprehensive and authentic way. Capstones often include project/ problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.

AGRICULTURAL SCIENCE

Students receiving 1.25 credit for **BOTH** Animal and Plant Science & Mechanical Principles will meet their third science requirement for their graduation.

For all courses, students are expected to participate in all three areas of an Agricultural Education Program: Classroom/Lab, FFA, and Supervised Agricultural Experience (SAE). All components are part of the grade. (Class Fee includes Membership Dues for the FFA)

AGRICULTURE, FOOD AND NATURAL RESOURCES Elective: 8, 9, 10, 11, 12 Credit: 1

2 Semesters *Must be first course taken in Agricultural Science

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

ANIMAL AND PLANT SCIENCE

Elective: 9, 10, 11, 12

Credit: 1.25

2 Semesters

Pre-requisite: 78 (C) cumulative average in Agriculture, Food and Natural Resources or Instructor permission.

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

MECHANICAL PRINCIPLES

Elective: 10, 11, 12

Credit: 1.25

2 Semesters

Pre-requisite: 78 (C) cumulative average in Animal and Plant Science or Instructor permission.

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

BUSINESS OF ARGICULTURE

Elective: 11, 12

Credit: 1

2 Semesters

Pre-requisite: 78 (C) cumulative average in Mechanical Principles or Instructor permission.

Students will examine elements of business, identify organizational structures and identify and apply management skills. Students will develop business plans, financial reports and strategic goals for new ventures or existing businesses. Students will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Students will also practice customer sales techniques and apply concepts of ethics and professionalism while understanding related business regulations.

CAPSTONE: COMMUNICATIONS & LEADERSHIP Elective: 12 Credit: 1
2 Semesters

Pre-requisite: 78 (C) cumulative average in Business of Agriculture, or with Instructor permission
Students will analyze attributes and capabilities of those in leadership positions and develop their communication and leadership skills in authentic situations. The course prepares students to apply journalistic, communication and broadcasting principles to the development, production, and transmittal of agricultural and environmental systems information.

SCIENCE AND TECHNOLOGY OF FOOD Elective: 9, 10, 11, 12 Credit: 1
2 Semesters

Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified. Students will also conduct a food related science fair project. *This is open to all students, regardless of Ag experience, and is not considered membership in the FFA.*

FINE ARTS

DRAWING

Elective: 9, 10, 11, 12

Credit: .5

1st Semester

This course provides an introduction to the fundamentals of drawing. Introduction to the elements of art and design will also be covered. Mediums include graphite, colored pencil, and pastels.

PAINTING

Elective: 9, 10, 11, 12

Credit: .5

2nd Semester

This course provides an introduction to the fundamentals of painting. Mediums include watercolor, tempura, and acrylic paint.

CERAMICS

Elective: 9, 10, 11, 12

Credit .5

1st Semester

Pre-requisite: Art II

This course is an introduction to ceramics and provides basic instruction in clay and surface decoration. This class will feature hand built pottery, slab, and coil construction.

ADVANCED CERMAICS

Elective: 9, 10, 11, 12

Credit .5

2nd Semester

Pre-requisite: Ceramics

This course provides a more in depth discovery of ceramics and includes an introduction to the pottery wheel and advanced surface decoration.

CRAFTS

Elective: 9, 10, 11, 12

Credit .5

2nd Semester

This course provides an introduction to crafts. Projects may include jewelry making, batik, weaving, and sculpture.

DESIGN

Elective: 9, 10, 11, 12

Credit .5

1st Semester

This course is an introduction to design and will use both 2 dimensional and 3 dimensional art. Studies may include commercial art, graphics, poster design, and computer graphics.

BAND

Elective: 9, 10, 11, 12

Credit 1

2 Semesters

Pre-requisite: Passing grade in Junior High Band or Prior Instrument Instruction

A performance-based class including marching band, pep band, and concert band. Students are required to participate in out-of-school rehearsals and performances. The purpose of the course is to create a cohesive instrumental ensemble who strives to better their skills, sounds, and techniques. During the duration of the course the subjects of sight reading, music theory, music history, and playing techniques will also be a focus.

CONCERT CHOIR

Elective: 9, 10, 11, 12

Credit: 1

2 Semesters

Any student who has a desire to sing and to improve as a musician is encouraged to participate. Students must be willing to sing in class, and participate in all concerts.

SHOW CHOIR
2 Semesters

Elective: 9, 10, 11, 12

Credit: 1

This is an **AUDITIONED** group that works on a Competitive Show throughout the year to take to Show Choir competitions. They also meet every week on Mondays from 5:00pm-7:00pm.

Riverdale Schools Credit Flexibility Procedures and Guidelines

Section 1: Credit Flexibility Rational

Pursuant to SB 311, all school districts in the state of Ohio have been charged with fully implementing a plan that would enable “students to earn units of high school credit based on a demonstration of subject area competency, instead of or in combination with completing hours of classroom instruction.” This plan will be fully implemented and initiated on the first official day of school for the 2011-2012 school year.

The rationale for the use of credit flexibility is two-fold:

- Highly motivated students who would like to accelerate learning and bypass one or more classes by using this credit flexibility options.
- Students will be able to show what they know and move on to higher-order content they are ready to learn and have not yet mastered; and
- Students will be able to learn subject matter and earn course credit in ways not limited solely to seat time or the walls of the school building.

Section 2: Options for Earning High School Credit (Grades 8 - 12)

Students may earn initial credit through any of the following or a combination thereof:

- The completion of traditional courses approved for high school credit offered within Riverdale Schools;
- The completion of college-level coursework through either post-secondary enrollment or established dual credit courses for students who qualify;
- Testing out or otherwise demonstrating mastery of the course content through a grade equivalent score of a “B” or better on a standardized end-of-course exam approved by Riverdale Schools;
- Pursuant of one or more educational options including, but not limited to distance learning, learning portfolio, on-line education, educational travel, independent study, intern/mentorships, music/arts programming, after school programs, community service, etc.

Section 3: Eligibility

To be eligible to submit and participate in the credit flexibility option, students must meet the following qualifications:

- Must be enrolled as a full-time student (enrolled for 5 credits) at Riverdale High School;
- Must have been enrolled as a full-time student at Riverdale Schools or another Ohio public state-accredited institution for at least one full academic year (180 days);
- Must have a current 3.0 cumulative GPA or a 3.0 in the content area for the test out option
- Must attend with their parent/guardian an individual counseling session with the school counselor to discuss their plans, outcomes and impacts of participation in the credit flexibility option;
- **Must obtain pre-approval from the district Credit Flexibility Committee by the designated deadlines set forth in the district calendar and guidance handbook.**

Section 4: Credit Flexibility Approval

To earn credit through credit flexibility option, students must submit the following documentation to the Credit Flexibility Committee by February 1st of the previous school year.

- Credit Flexibility Approval Agreement;
- Any supporting documentation related to the method of earning credit;
- 1-page written statement from student indicating their desire to participate in the credit flexibility option and likelihood of success.

The Credit Flexibility Committee will consist of:

- Building administrator(s);
- School counselor(s);
- Teacher representative(s) from the department(s) with which credit is being requested.

The following information will be determined during the approval process:

- Method of earning credit;
- Amount of credit sought (may request for only a full or half credit towards a course);
- Academic or elective discipline of study (may request to earn credit in multiple subjects for the same credit flexibility option);
- Outside parties/resources that will be involved in the completion of credit;
- Timeline for completion (must be completed by August 15th of the year of application). Seniors applying for any Credit Flex option must apply by May 15th of their junior year and complete all requirements by December 15th of their senior year.
- Teacher of record who will monitor progress and attainment of knowledge and award grades;
- Learning outcomes, standards and demonstration of knowledge as laid out in the Credit Flexibility Approval Agreement.
- Special accommodations to be provided for students with a disability in compliance with their Individualized Education Plan or 504 Plan.

Section 5: Awarding Of Credit

Students approved to take an end-course exam for the following school year must have their approved end-of-course examination completed and scores submitted prior to August 15th of the current school year. This is to ensure that guidance staff will be able to appropriately schedule students into the necessary courses for the following year.

Students approved to participate in other educational options must have their work completed and submitted to their teacher of record by August 15th of the year the credit will be awarded.

Credit and grades will be awarded based upon the completion of the credit flexibility option approved by the committee:

- Testing out or otherwise demonstrating mastery of the course content
 - Credit and grade will be awarded to students upon completion of a standardized test approved by the district. A pre-established grade-equivalent scale will be used in determining letter grades awarded based on the test. A grade of “B” or higher must be earned in order to be issued on student transcripts and factored into a student’s grade point average (GPA) and class ranking. If a student is unsuccessful, no denotation will be indicated on the student’s official transcript.

- Pursuant of one or more educational options as described above in Section 2
 - Credit and grade will be awarded to students who successfully complete all requirements laid out in the Credit Flexibility Approval Agreement. Student grade will be determined by the teacher of record and based on the student's attainment of knowledge as related to the Ohio Content Standards and course objectives. Credits and grades earned through credit flexibility option will be reported on student transcripts and factored into a student's grade point average (GPA) and class ranking. All credit and grades earned are final.

The district reserves the right to reassign a student participating in credit flexibility option to a traditional course if the student fails to meet the standards for ongoing participation and satisfactory progress described in his or her Credit Flexibility Approval Agreement.

Should a student not complete their requested credit flexibility option by the designated deadline or completely fail to meet the requirements for adequate completion and/or knowledge attainment of the course no credit will be awarded. The student must then take the course at the school through traditional seat time to earn their credit. They may not submit to earn that same credit through credit flexibility option.

In the event that a student does not complete or fails their credit flexibility option, the student and parent/guardian will be held financially liable to reimburse the school for any and all financial costs invested into the credit flexibility option.

The district shall accept all credit earned under credit flexibility options by students transferring to the district from another Ohio public state-accredited institution. Students who transfer into the district while in the process of completing a credit flexibility option approved by another district must have their current option re-reviewed by the Credit Flexibility Committee for approval. The committee reserves the right to deny or modify the current option if it does not meet the district standards for credit flexibility.

Section 6: Responsibility of Student and Parent/Guardian

A. School Attendance

Students participating in the credit flexibility option will be required to attend school for the remainder of their course load. The school will assist in creating the most conducive schedule for students, but cannot guarantee one that will fully accommodate the wishes of the student. Students may be placed on an adjusted schedule when appropriate.

B. Athletic Eligibility

Students wishing to participate in credit flexibility option and athletics must ensure that they continue to meet eligibility requirements as directed by OHSAA bylaws (441 & 448) and Hardin County Schools Board of Education policy (2431 - INTERSCHOLASTIC ATHLETICS). Approval of credit flexibility option for 1 credit will be equivalent to taking a 2 Semesters course.

C. Fees

The district will require parents/guardians of students participating in a credit flexibility option not initiated by the district to be responsible for paying all fees associated with participation in that option, including any charges for: tuition and registration fees, books, assessments, travel costs, materials, etc. not typically provided free of charge to students in traditional courses. The district shall make

every reasonable effort to assist in the participation of free or low cost credit flexibility options to economically disadvantaged students requesting the opportunity to earn flex credit. *There will be \$100.00 non-refundable application fee for all approved credit flex options in addition to all other costs that may be incurred.* This fee must be submitted with Credit Flex Option application.

D. Academic Integrity

Credit flexibility options are the sole responsibility of the student. The student must complete all work and final products on their own. Students may accept support, feedback and/or knowledge from outside sources to assist in the completion of their credit flexibility option, but credit must be given to outside sources for their contribution to the work.

Students and/or parent/guardians deemed to be in violation of academic integrity guidelines will be notified of the complaint and informed of the student's revocation of their credit flexibility option. Any student found to be in violation of the academic integrity guidelines will receive no credit and a failing grade for the course that will be reported on their transcript and factored into their GPA and will be denied participation in any future requests to participate in the credit flexibility option.

Section 7: Appeals Process

Should a student and or parent/guardian have a disagreement with a decision or action of the Credit Flexibility Committee, teacher of record or school system regarding any aspect of the credit flexibility procedures and guidelines, they may request for an appeal and have the right to a hearing.

Appeals must be formally written and submitted to the Credit Flexibility Committee. The appeal will be reviewed by the Credit Flexibility Committee comprised of the building administrator(s), school counselor(s) and a teacher representative from the department in the relevant subject area not involved in the original approval and assessment of the student.

The student filing the appeal and his or her parent/guardians(s) shall be given an opportunity to present concerns and recommendations to the committee. The committee will review appeals within 10 days from the date the appeal was submitted in writing. The decision of the committee shall be final unless overturned by the Superintendent and Board of Education or a directive resulting from an appeal filed with the Ohio Department of Education.

Section 8: Communication Plan

Opportunities and requirements related to credit flexibility shall be publicized annually using multiple forms of media which may include any combination of the following: publication on the district's website, publication in the high school guidance handbook, dissemination of information at parent/guardian meetings, and the district newsletter. Copies of a publication describing opportunities and requirements related to credit flexibility will be made available to students, staff, and parent/guardians upon requests to the high school counselors or administrators.

The Superintendent or his or her designee shall review the content of these publications annually to ensure their completeness and accuracy.

The superintendent or his or her designee(s) shall maintain a cumulative database of approved educational options and standards for awarding grades and credits based on demonstrations of mastery to assist students, parents, and teachers with understanding available options and to help ensure equity and consistent standards of rigor.

Section 9: Reporting to State

Students and parents/guardians are informed that data regarding participation in credit flexibility option will be shared on a yearly basis as required by the Ohio Department of Education.