

BLACK RIVER COURSE/CURRICULUM GUIDE 2020-2021

Board Approved February 11, 2020

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INTRODUCTION

This Curriculum Guide should serve as an introduction to courses that are offered and procedures that are followed at Black River High School with regard to academics and scheduling. It is also a resource for students as they prepare for the future. Throughout the next few years, parents and students may use this guide to plan for and monitor diploma requirements, determine career goals, plan for college and prepare for work. As always, should questions arise, please contact the guidance counselor, teachers and/or principal for further information. During the months of February and March, students will be registering for next year's courses. The principal and guidance counselor will be formulating the schedule. It is imperative that students complete their requests in March so adequate time for planning of the schedule is available.

VISION

Honoring our tradition ~ Supporting our community ~ Educating our future

MISSION STATEMENT

Through unique and diverse opportunities, academic excellence, community engagement and a safe mentoring environment, we build a strong foundation for families and future leaders.

CORE VALUES

- W - Welcoming
- E - Engaged and encouraging
- A - Accountable
- R - Revealing integrity
- E - Enrolled, enlisted, employed
- B - Balanced
- R - Resourceful and responsible

GOALS

- To create pathways for high academic achievement using research based instructional strategies.
- That graduates will have 21st Century skills that allows for enrollment, enlistment, and employment.
- That every student earns a minimum of 21 course credits and 18 Ohio End of Course Exam Points to graduate.

GRADUATION REQUIREMENTS

Class of 2021 Seniors in 2020-2021	Class of 2022 Juniors in 2020-2021																																				
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1.) All students in the classes of 2020 and beyond must earn at least a total of 18 points on the Ohio End of Course (EOC) State Exams in the related courses in order to receive a high school diploma.

2.) Students participating in *select* career-technical lab classes at a vocational school *may* have the fine arts requirement waived. This will be determined by the administration.

HONOR DIPLOMAS

Comparison of Diplomas with Honors Criteria

Students need to fulfill all but one of the applicable criteria for the Diploma with Honors

Subject	Academic Diploma with Honors for Classes	International Baccalaureate Diploma with Honors	Career-Technical Diploma with Honors	STEM Diploma with Honors
English	4 units	4 units, plus the two required IB essays	4 units	4 units
Mathematics***	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units	4 units, including Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	5 units
Science****	4 units, including 2 units of advanced science	4 units, including biology, chemistry, and at least 1 advanced science	4 units, including 2 units of advanced science	5 units, including 2 units of advanced science
Social Studies	4 units	4 units	4 units	
Foreign Language	3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages	3 units or no less than 2 units each of two languages	N/A	3 units or no less than 2 units each of two languages
Grade Point Average	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 Score (excluding scores from the writing sections)*	27 ACT / 1280 SAT	27 ACT / 1280 SAT	27 ACT / 1280 SAT	27 ACT / 1280 SAT
Additional Assessment	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A

Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including: 1/2 unit Physical Education, 1/2 unit Health, 1/2 unit American History, and 1/2 unit in Government

President's Education Award for Educational Excellence

The President's Education Award for Educational Excellence is awarded to graduating seniors with a cumulative GPA of 3.5 and above on a 4.0 grading scale and a 27 ACT composite score or 1280 SAT combined critical reading and math score. Students will be credentialed for this award after the 7th semester.

**** The International Baccalaureate track to the Honors Diploma requires full completion of all requirements for an IB Diploma Programme including the Theory of Knowledge Course in meta-cognition, the Extended Essay project and the 150 hour Creativity, Action and Service (Service Learning) requirement. Note: The International Baccalaureate Certificate Program does not qualify for this track to the Diploma with Honors.**

***** Math units must include Algebra I, Geometry, Algebra II or the equivalent and another higher level course or a four-year sequence of courses that contain equivalent content.**

****** Advanced Science refers to courses that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy).**

HIGH SCHOOL CURRICULUM

There are three basic curricula which students must choose to follow as they enter the ninth grade and follow throughout their high school careers. Please find below an explanation of the three basic forms of curriculum.

I. COLLEGE AND CAREER READINESS

The College and Career Readiness (CCR) Option has been created to support students in their pathways of success. The selection of courses for this curriculum should be based on a student's interests and needs. With the proper choices of electives, a student in the College and Career Readiness can also meet the minimum admission requirements of some colleges should he/she later decide to go to college.

II. APPRENTICESHIP/CAREER/VOCATIONAL

This curriculum is specifically designed for those students who desire to enroll in an apprenticeship program or career field for which vocational school and/or technical school training is appropriate. Some of these career fields include agriculture related, business-related including secretarial or computer, construction trades, design and printing, health-related, manufacturing technologies, personal service, and vehicle service. With the proper choices of electives, a student in the apprenticeship/career/vocational curriculum can also meet the minimum admission requirements of some colleges should he/she later decide to attend college.

III. COLLEGE PREPARATORY

This curriculum is designed for those students who plan to attend a two-year college, a four-year college, or a nursing school. The core curriculum recommended by Ohio's Public Colleges and Universities is a minimum standard and is as follows:

- 4 units of English, with an emphasis on composition
- 4 units of Math (Algebra I, Algebra II, Geometry, Pre-Calculus, Calculus, College Algebra)
- 3-4 units of Social Studies
- 3-4 units of Science
- 2 units of at least one World Language
- 1 unit of Visual or Performing Arts
- 1 unit of Physical Education/Health
- 2-6 units of Electives

CLASS RANK

Class rank is computed at the end of each semester beginning with the student's high school courses. Class rank is determined by the use of a student's grade point average when a course is completed. All final grades of credit courses are used to calculate the grade point average. Grade point averages are based on a 4.0 scale with the following point values:

College and Career Readiness Grading Scale			Honors Grading Scale			AP / IB / CC+ Grading Scale		
Grade	Percentage	Weight	Grade	Percentage	Weight	Grade	Percentage	Weight
A	93-100	4.00	A	93-100	4.50	A	93-100	5.00
A-	90-92	3.67	A-	90-92	4.17	A-	90-92	4.67
B+	87-89	3.33	B+	87-89	3.83	B+	87-89	4.33
B	83-86	3.00	B	83-86	3.50	B	83-86	4.00
B-	80-82	2.67	B-	80-82	3.17	B-	80-82	3.67
C+	77-79	2.33	C+	77-79	2.83	C+	77-79	3.33
C	73-76	2.00	C	73-76	2.50	C	73-76	3.00
C-	70-72	1.67	C-	70-72	1.67	C-	70-72	1.67
D+	67-69	1.33	<u>Honors</u> courses receive an additional .5 value. Grades of C- and lower in these courses do not receive the added point value			<u>Advanced Placement and International Baccalaureate</u> courses receive an additional 1.00 value. Grades of C- and lower in these courses do not receive the added point value.		
D-	60-62	0.67						
F	59-Below	0.00						

INCOMPLETES & FAILURES, AND CREDIT RECOVERY

Incompletes are given when a student fails to complete the assigned schoolwork for an excusable reason. Incompletes must be removed within two weeks (ten school days) of the close of the grading period. If not, they will automatically revert to an "F" for the grading period. At the discretion of administration, incompletes may be extended. For a student who fails to receive credit for any reason and is participating in some type of credit recovery course or program, he or she may be charged for repeating a course. The cost will be determined based on the number of credits needed to recover and the type of program being utilized.

HONOR ROLL AND MERIT ROLL

Honor Roll and Merit Roll are published at the conclusion of each grading period to acknowledge superior academic achievement. To qualify for Honor Roll, a student's grade point average must be at least a 3.6; to qualify for the Merit Roll, a student's grade point average must be at least 3.0 to 3.59. Students who are participating in College Credit Plus (CCP) are eligible for the Honor or Merit Roll as long as they are enrolled in classes at Black River High School.

ATHLETIC ELIGIBILITY

OHSAA has set a standard that in order to be eligible in grades 9-12 to participate in high school athletics, a student must be currently enrolled and must have been enrolled in school during the immediately preceding grading period. Also, during the preceding grading period of participation in a sport, the student MUST have a passing grade in a minimum of (5) one-credit classes with at least a 1.6 GPA. (Courses with 1/4 credit such as physical education do not count in eligibility credits.) All incoming ninth grade students' cumulative grade point averages will first be established at the end of the ninth grade. A student enrolled in the first grading period after advancement from the eighth grade must have passed 75% of those subjects in which the student was enrolled in the preceding grading period. Students must have established cumulative grade point averages of 1.6 (for grades seven and eight) at the conclusion of their eighth grade year.

All provisions of the Ohio High School Athletic Association bylaws affecting scholarship apply.

Students on an IEP may be exempted by academic area if the IEP indicates such.

The foregoing established all of Black River's eligibility requirements as mandated by H.B. 215.

***Starting in the 2020-2021 school year eligibility GPA will be a minimum of 1.6.**

NCAA ATHLETIC ELIGIBILITY

All students who plan to enroll in a Division I or II college and participate in sports, or receive an athletic scholarship during their first year in college, must talk to their guidance counselor and receive the guidelines established by the NCAA by the end of their sophomore year. The student must register with the clearinghouse between their junior and senior year.

APPRENTICESHIP/CAREER/VOCATIONAL COURSE WORK

SUGGESTED FOUR-YEAR OUTLINE

Grade 9

Grade 10

English 9	English 10
American History	World History
Physical Science	Biology
Math -Algebra or Honors Algebra	Math -Geometry or Honors Geometry
Health	Physical Education
Physical Education	FCCLA or Agricultural Education
Fine Arts	Electives
FCCLA or Agricultural Education	

Grade 11

Grade 12

English 11	English 12
American Government	
Science -Earth Science -Chemistry -Human Anatomy/Physiology	Science -Chemistry -Human Anatomy/Physiology -Earth Science
Math -Algebra II -Precalculus	Math -Transition to College Math -Precalculus - AP Calculus
Electives as required to meet graduation requirements	Electives as required to meet graduation requirements

COLLEGE PREPARATORY

SUGGESTED FOUR-YEAR OUTLINE

Grade 9

Grade 10

Honors English 9	Honors English 10 CCP English Composition I CCP English Composition II
Honors American History	Honors World History
Honors Algebra I Honors Geometry Algebra II	Honors Geometry Algebra II Precalculus
Biology Honors Biology	Honors Chemistry Anatomy & Physiology
Spanish I German I	Spanish II German II
Physical Education	Physical Education
Health	Electives
Electives	

Grade 11

Grade 12

CCP English Composition I CCP English Composition II CCP Fiction Appreciation Honors English 11	CCP Fiction Appreciation Honors English 12
CCP Government & Politics CCP World Politics & Government	AP History
Algebra II Precalculus AP Calculus CCP Algebra for Calculus	AP Calculus CCP Basic Statistics CCP Algebra for Calculus
CCP Physics for Life Science	CCP Physics For Life Science I & II
Advanced Spanish Advanced German	Spanish IV German IV
Electives	CCP Sociology
	Introduction to Engineering and Design Principles of Engineering

CAREER READINESS COURSES

SUGGESTED FOUR-YEAR OUTLINE

Grade 9

Grade 10

English 9	English 10
American History	World History
Physical Science	Biology
Math -Algebra 1 -Honors Algebra	Math - Geometry - Honors Geometry
Health	Biology I
Physical Education	Electives
Electives	

Grade 11

Grade 12

English 11	English 12
American Government	American Government
Math -Algebra II	Math -PreCalculus -Mathematics of Finance
Science -Earth Science -Chemistry -Human Anatomy/Physiology	Science -Chemistry -Human Anatomy/Physiology -Earth Science
Electives	Electives

STATE TESTS REQUIRED FOR GRADUATION

According to the Ohio Department of Education and Black River Local Schools Board of Education, all students must meet one of the following three pathways to be eligible for graduation:

1. Ohio's State Tests

Students earn a cumulative passing score of 18 points using the seven end-of-course state tests. To ensure students are well rounded, they must earn a minimum of four points in math, four points in English and obtain at least 10 points across science and social studies.

The following are Ohio's End of course exams:

- Algebra I
- Geometry
- English Language Arts I
- English Language Arts II
- Biology
- American History
- American Government

College Credit Plus (CCP) course grades or approved AP/IB tests in the subject area may satisfy the end-of-course graduation test requirement for American history, American government, and biology. All Black River High School students are expected to participate in Ohio's End of Course assessments.

2. Industry credential and workforce readiness:

Students earn 12 points through a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score on the WorkKeys assessment. The state of Ohio will pay one time for those who take the WorkKeys assessment.

3. College and career readiness tests:

Students earn "remediation-free" scores in English language arts and mathematics on a nationally recognized college admission exam. The state of Ohio will pay one time for all 11th grade students to take either the ACT or SAT free of charge. The student's district selection applies to all schools in the district for one school year. Test selection may change from one school year to the next.

END OF COURSE RETAKES

Students that score below proficient on an exam will retake the exam to meet the state requirement of a minimum of 18 points. Students that score proficient or higher on an end of course exam can retake exams only if they have not met the minimum graduation points to graduate, once they have taken all the exams.

PSAT/ACT/SAT TESTS

The PSAT test date is in October each year and the result of this test is the criterion used in determining National Merit Scholars. The guidance office recommends that sophomores take the PSAT as a practice test. This will help to prepare them for taking the PSAT their junior year for purposes of qualifying for the National Merit program. Registration is 3-4 weeks ahead of the test date in the high school guidance office.

The formal ACT is required for all Black River High School juniors in the spring and is administered at the high school during the school day. An informal ACT test is required of all Black River High School students in grades 9 and 10 grades at the same time the formal ACT is administered to all juniors.

For additional testing opportunities, students should see the guidance counselor for test sites, applications and additional information regarding the ACT and SAT tests.

ACT test dates are usually in September, October, December, February, April and June. Registration takes place approximately six weeks ahead of the test date.

SAT test dates are usually held in October, November, December, January, March, May and June. Registration takes place approximately 6 weeks ahead of time.

Recommended testing timeline:

Grade 9	Grade 10	Grade 11	Grade 12
PSAT practice (Oct.)	PSAT practice (Oct)	PSAT (Oct)	ACT (Sept or Oct)
EOC - Mar/Apr	EOC - Oct/Mar/Apr	SAT I (Mar or June)	SAT I (Nov)
ACT (if interested in college courses)	ACT (Dec, Feb, Apr)	SAT II (subject specific)	EOC - Oct, Mar,
		ACT (Dec, Feb, Apr)	AP Test (May)
		EOC - Oct, Mar, Apr	
		AP Test (May)	

ADVANCED PLACEMENT (AP) COURSES

Advanced Placement courses offered at Black River High School allow students the opportunity to receive college credit through the Advanced Placement Exam. All students enrolled in an AP course will take the AP exam for that course during the designated time of that particular AP exam. **A fee for the exam is assessed to the student as a student fee but may be reduced depending on the score received.** Students may take AP Exams for credit even though they are not enrolled in an AP course. Online AP courses are available to students at a cost to the student and parent/guardian.

COLLEGE CREDIT PLUS OPTIONS:

Ohio's College Credit Plus (CCP) can help you earn college and high school credits at the same time by taking college courses from community colleges or universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students.

Students could earn up to 36 or more college credit hours or even an Associates Degree. These credit hours are transferable to all public universities and most private institutions in the state of Ohio. Students who have the ability to advocate for themselves and self-direct their learning may want to consider College Credit Plus Options.

All courses taken will be counted toward graduation requirements for high school and are calculated in their high school GPA. Weighted grades will be issued. The credits earned will allow students to maintain eligibility in sports and extracurricular activities.

Requirements:

A mandatory informational meeting will be held prior to February 15th for students and their parents to ensure an understanding of the advantages, possibilities and consequences of participation

*Students must obtain an application from the guidance office and return it, annually, by March 15.

Each individual post-secondary institution has specific requirements for admission; Black River High School adheres to those restrictions.

*Juniors and seniors: 3.0 cumulative GPA; ACT Composite score of 21

*Eighth graders and freshmen: 3.75 cumulative GPA; 26 ACT composite

*The following courses have specific ACT subject scores as prerequisites:

English.....21 (In English)
Algebra for Calculus.....22 (In Math)
Basic Statistics.....22 (In Math)

Students are required to submit a credit authorization form to the high school counselor at the time of enrollment in the post-secondary/CCP program. This form helps the student and guidance counselor determine eligible college and high school courses.

All students are required to provide a current copy of your college schedule to your high school counselor prior to starting classes.

Grades will not be posted at the conclusion of any term until a transcript is received from the post-secondary institution. The transcript must be sent directly from the post-secondary institution to the high school counselor's office. This is the responsibility of the student, not the high school.

CCP Course Withdrawal After the Beginning of a Term

* The student must re-enroll to the High School the following school day. Re-enrollment is considered withdrawal from the CCP program for that academic school year.

* The student will be given a HS schedule

* The student will be given zeros for all work missed prior to enrollment in the new schedule.

* The student can eliminate any zero by making up the missed work. The student is responsible for scheduling make-up work with each classroom teacher.

* Parents and students are responsible for any cost connected to the missed work and the cost of any CCP courses that are not completed.

Student suspension will have no effect on post-secondary attendance. Since expulsion is removal from school, the parents would be expected to assume the cost of the post-secondary option.

CCP students will be permitted to participate in commencement ceremonies if the post-secondary institution provides written verification to indicate the student has received passing grades. The diploma will not be issued until an official transcript (not a grade card) is received directly from the post-secondary institution.

Course Offerings:

English: Composition I (3); Composition II (3); Fiction Appreciation (3); Effective Oral Communication (3)

Mathematics: Algebra for Calculus (4); Basic Statistics (3)

Science: Physics for Life Science I (4); Physics for Life Science II (4)

Social Studies: Government and Politics in the US (3); Comparative Government and Politics (3); American Political Issues and Historical Philosophy (3); Sociology (3)

More College Credit Plus opportunities (such as online courses through a local university or college) may be added for the 2020-2021 school year.

POST SECONDARY OPTION

This option is designed for students taking courses *on the college campus* instead of at our high school.

Students who are taking high school classes and CCP courses off campus will be responsible for signing in or out in the high school office if their schedule differs from the high school start and end times. When students are finished with their high school classes, they must sign out and leave the building. If they do not, they will be assigned to study hall.

SCHEDULING PROCEDURES

Scheduling will be completed each spring. Every student must be enrolled in six classes each semester. All students enrolling in College Credit Plus courses must complete the College Credit Plus Program Enrollment Verification Form with the BRHS guidance counselor.

SCHEDULE CHANGE POLICY

- 1) Course change requests must be done by June 15, 2020.
- 2) It is our intent to have all schedules completed well before students leave in June.
- 3) After June or the beginning of the school year, no schedule changes will be made except for the following reasons:
 - a. Direct conflict of two classes scheduled during the same period.
 - b. Failure of a course that is required for graduation or as a prerequisite for another course.
 - c. Procedural errors or omission of a required course.
 - d. Completion of a course in summer school that was scheduled for the fall semester.
 - e. Admittance to a CCP program or higher level courses.
- 4) Requests for additions to schedules will be honored during the first two days of the semester of school provided the student's schedule and the class size can accommodate the addition.
- 5) Requests to change teachers will not be granted.

WITHDRAWAL FROM COURSES

Withdrawal from courses during the school year may only be justifiable under certain circumstances. However, all students must meet the minimum course load requirement of SIX full period high school courses (credit-awarding with at most one study hall) each semester. Students who withdraw from a course must be reassigned to another course. Requests to withdraw from a course will not be granted unless unusual and prevailing circumstances apply.

Any decisions or recommendations regarding withdrawal from a scheduled course must involve the student and his/her parents and must reflect agreement of the classroom teacher, guidance counselor and administration. If agreement is not reached, the principal will make the decision.

Students who take honors and advanced courses requiring a contract must abide by the rules of the contract; signatures will be required from students and parents.

WITHDRAWAL FROM SCHOOL

When a student withdraws from school, the student will carry the withdrawal form to each of their teachers. The teacher will initial this form after the student has completed any financial, textbook, or other obligations. The student will return this form to the office for permanent record clearance. Before grades can be sent to another school, parents/guardians must sign a record release form. All fees must be paid before records are released. Students age eighteen or over may sign the form for the record release. There are three legal reasons for withdrawing from school.

1. The family moves out of the district.
2. The child reaches age eighteen (18) and wishes to stop attending
3. A full-time work permit is obtained when a child is over the age of fifteen. This must be renewed each year.

COURSE SELECTIONS

TERMS TO KNOW

Advanced Placement (AP): is a program created by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant placement and course credit to students who obtain high scores on the examinations.

**The AP exam fee will be reimbursed by the district on the following sliding scale:

Score	Reimbursement
5	100%
4	75%
3	50%

Ohio End of Course Test (EOC): Ohio requires students to take state tests indicating mastery of content for seven different courses.

Grade Point Average (GPA): is calculated by dividing the total amount of grade points earned by the total amount of credit hours attempted.

Ohio State Test (OST): State achievement tests tell us how well our students are growing in the knowledge and skills outlined in Ohio's Learning Standards.

Project Lead The Way (PLTW): a national effort to promote K-12 engineering education.

Prerequisite: requirement that needs to be met before enrolling in a course.

STEM: Science, Technology, Engineering and Math

The Financial Literacy requirement for graduation on page 3 is embedded in some courses. Students must work with the School Counselor to ensure this requirement is met. Please note these courses are indicated by the use of the following symbol - \$\$

ENGLISH

1090 A & B ENGLISH 9

Credits: 1.0 English Prerequisite: N/A

This one-year college preparatory course provides students with intensive instruction and practice in the skill of written expression and literacy. Students are expected to write argumentative and informational essays in a clear, concise manner. They are introduced to the study of selected novels, plays, short stories, poetry, and informational text. Students are exposed to a number of language, speaking and listening standards, allowing them many opportunities for speeches and oral discussions. Students will take the English I EOC at the beginning of the fourth quarter.

HON 1090 A & B HONORS ENGLISH 9

Credits: 1.0 English Prerequisite: OST Scores of 4 or 5, academic review panel approval.

Honors English courses are intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take Honors English courses should have high OST scores for the last three years and exhibit excellent reading and writing skills. This one-year college preparatory course provides students with intensive instruction and practice in the skill of written expression and literacy. Students are expected to write argumentative and informational essays in a clear, concise manner. They are introduced to the study of selected novels, plays, short stories, poetry, and informational text. Students are exposed to a number of language, speaking and listening standards, allowing them many opportunities for speeches and oral discussions. Students will take the English I EOC exam at the beginning of the fourth quarter.

1100 A & B ENGLISH 10

Credits: 1.0 English Prerequisite: English 9 or Honors English 9

This one-year college preparatory course provides students with intensive instruction and practice in the skill of written expression and literacy. Students are expected to write argumentative and informational essays in a clear, concise manner. They are introduced to the study of selected novels, plays, short stories, poetry, and informational text, including but not limited to *Anthem* and *Macbeth*. Students are exposed to a number of language, speaking and listening standards, allowing them many opportunities for speeches and oral discussions. Students will take the English II EOC exam at the beginning of the fourth quarter.

HON 1110 A & B HONORS ENGLISH 10

Credits: 1.0 English Prerequisites: OST and EOC Scores of 4 or 5, academic review panel approval.

Honors English courses are intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take Honors English courses should have accelerated or advanced OST scores for the last three years and exhibit excellent reading and writing skills. This one-year college preparatory course provides students with intensive instruction and practice in the skill of written expression and literacy, which will prepare students for college composition. Students are expected to write argumentative and informational essays in a clear, concise manner. They are introduced to the study of selected novels, plays, short stories, poetry, and informational text, including but not limited to *To Kill a Mockingbird*, *Animal Farm*, *A Long Way Gone*, *Anthem*, *Julius Caesar*, *Macbeth*, and *Oedipus Rex*. Students are exposed to a number of language, speaking and listening standards, allowing

them many opportunities for speeches, Socratic seminars, and oral discussions. Students will take the English II EOC exam at the beginning of the fourth quarter.

1110 A & B ENGLISH 11

Credits: 1.0 English Prerequisite: English 10 or Honors English 10

Students will study a curriculum of American Literature, reading short stories, poems, plays, speeches, articles. Also, students will respond with journal writing, essays, and a thesis research paper or blogging project, applying appropriate vocabulary, grammar to public speaking and resume writing skills. Additional reading assignments may include Arthur Miller's *The Crucible*.

HON 1110 A & B HONORS ENGLISH 11

Credits: 1.0 English Prerequisite: EOC Scores of 4 or 5, academic review panel approval.

This course is an in-depth survey of American literature covering the Puritan era through the Twenty-first Century with a focus on American authors. All genres are covered in the college preparatory course, but will consist of more rigor and a great depth of knowledge. Students will be required to write several analytical compositions. Proper procedures for scholarly research will be taught and students will complete critical research papers. Students will also be required to purchase various paperback books throughout the year.

1120 A & B ENGLISH 12

Credits: 1.0 English Prerequisite: English 11

Students will study the history of the English language, from the literary texts that shaped our language to modern day literature. Career and college readiness will be the focus in writing skills; students will write literary inquiries, research papers, and reflections. Speaking and listening will be practiced through persuasive speeches, class discussions and small group inquiry. Additional reading assignments include F. Scott Fitzgerald's *The Great Gatsby*.

HON 1120 A & B HONORS ENGLISH 12

Credits: 1.0 English Prerequisite: EOC Scores of 4 or 5, academic review panel approval.

This course is an in-depth survey of British literature as well as other literary texts. While exploring the same genres as covered in the college preparatory course, the honors course will consist of more rigor and a greater depth of knowledge. Students will be required to write several analyses of literature as well as expository and analytical compositions. Proper procedures for scholarly research will be taught and students will complete critical research papers. Students will also be required to purchase various paperback books throughout the year.

MATHEMATICS

Required Calculators: TI-84 Graphing Calculator or TI Nspire CX

2090 A & B ALGEBRA I

Credits: 1.0 Mathematics Prerequisite: TI-84 calculator.

This course will help the student to understand some of the basic structure of algebra (the real number system), recognize the techniques as reflections of this structure, acquire facility in applying algebraic concepts and skills, and perceive the role of deductive reasoning. Real-life applications will be modeled and discussed. Students will take the Algebra I EOC exam at the beginning of the fourth quarter.

HON2094 A & B HONORS ALGEBRA 1

Credits: 1.0 Mathematics Prerequisite: OST Scores of 4 or 5, academic review panel approval. TI-84 calculator. This is an accelerated course that will challenge and prepare students for college and/or career readiness in STEM related fields.

This course will seek to develop a foundational level of understanding of the algebra that is used in higher levels of mathematics. We will explore relationships between quantities and reasoning with equations. Consideration of linear and exponential relationships will be made. A formal description of functions will be studied. Descriptive statistics will be studied and we will begin to formally assess how a model fits data. Students will create expressions and equations that involve rational exponents. Students create and solve equations, inequalities, and systems of equations involving quadratic expressions. Quadratic functions and modeling will also be learned. Students will also be expected to be able to use technology (e.g. graphing calculator, computer software, etc...) to explore algebraic concepts. Students will take the Algebra I EOC exam at the beginning of the fourth quarter.

2100 A & B GEOMETRY

Credit: 1.0 Mathematics Prerequisite Algebra I. TI-84 calculator.

Geometry is the second course in a sequence mathematics courses designed to prepare students for college and or career. Geometry is structured around problems and investigations that build spatial visualization skills and an awareness of connections between different ideas.

Included are the following critical areas of focus: applications of probability, congruence, proof and constructions, similarity, proof, and trigonometry, connecting algebra and geometry through coordinates, circles with and without coordinates, extending to three dimensions. Students will take the Geometry EOC exam at the beginning of the fourth quarter.

HON 2100 A & B HONORS GEOMETRY

Credit: 1.0 Mathematics Prerequisite OST or EOC Scores of 4 or 5, academic review panel approval. TI-84 calculator.

Honors Geometry is an accelerated course designed to challenge and prepare the mathematically talented student for college and/or career readiness in STEM related fields.

Geometry is structured around problems and investigations that build spatial visualization skills, and an awareness of connections between different ideas.

Included are the following critical areas of focus: applications of probability, congruence, proof and constructions, similarity, proof, and trigonometry, connecting algebra and geometry through coordinates, circles with and without coordinates, extending to three dimensions. Students will take the Geometry EOC exam at the beginning of the fourth quarter.

2094 A & B ALGEBRA II

Credit: 1.0 Mathematics Prerequisite: Algebra I TI-84 calculator.

Designed to provide an advanced study of algebraic concepts, skills and applications to provide the student with a thorough understanding of all algebraic skills and reasoning.

HON 2094 A & B HONORS ALGEBRA II

Credit: 1.0 Mathematics Prerequisites: EOC Scores of 4 or 5, academic review panel approval. TI-84 calculator.

This is an accelerated course that will challenge and prepare students for college and/or career readiness in STEM related fields.

Designed to provide an advanced study of algebraic concepts, skills and applications to provide the student with a thorough understanding of all algebraic skills and reasoning.

2200 A & B MATHEMATICS OF FINANCE

Credit: 1.0 \$\$ Mathematics Prerequisite: Algebra 1 and Plane Geometry

This course will use algebraic patterns and functions to address financial applications that students will encounter as adults. Concepts from Algebra I, Algebra II, and Geometry are utilized in topics such as banking, credit, income taxes, insurance along with other topics of mathematics.

2120 A & B PRECALCULUS

Credit: 1.0 Mathematics Prerequisite: At least a B- average in Algebra I, Geometry, and Algebra II or academic review panel approval. TI Nspire CX calculator.

This is an accelerated course that will challenge and prepare students for college and/or career readiness in STEM related fields.

Students make a graphical and algebraic investigation of polynomial, rational, logarithmic, and exponential functions; they solve systems of equations and inequalities; their study of trigonometry includes right triangle trigonometry, the unit circle, identities, and vectors.

2122 CALCULUS

Credit: 1.0 Mathematics Prerequisite: Precalculus TI Nspire CX calculator.

Calculus will be designated as an Honor course on the student's transcript. This course will cover one semester of college calculus over a year of high school. Calculus is an advanced level course, which includes the understanding of functions, limits, derivatives, integrals and the application of the same. This is an essential course for anyone pursuing STEM related fields at the college level. We have a class set of these calculators, however it is recommended that a student purchase their own (or a Ti-84 Plus) if they are going to pursue a STEM field at the college level.

AP 2122 AP CALCULUS Fee Required TI Nspire CX calculator.

Credit: 1.0 Mathematics Prerequisite: High School Courses Algebra I through Precalculus.

The designation of AP Calculus on a student's transcript as an Honor course. This course will cover one semester of college calculus over a year of high school. Calculus is an advanced level course, which includes the understanding of functions, limits, derivatives, integrals and the application of the same. This is an essential course for anyone pursuing Science, Technology, Engineering or Mathematics (STEM) related fields at the college level. AP reimbursement sliding scale applies.

AP 2133 AP CALCULUS II Fee Required TI Nspire CX calculator.

Credit: 1.0 Mathematics Prerequisite: High School Courses Algebra I through AP Calculus I.

The designation of AP Calculus on a student's transcript as an Honor course. Students able to complete AP Calculus I may continue to deepen their understanding of Calculus through the AP Calculus BC standards. Students will be required to take the AP Calculus BC exam at the end of the year. AP reimbursement sliding scale applies.

SCIENCE

3090 A & B PHYSICAL SCIENCE Fee Required

Credit: 1.0 Science

Students will learn how the universe was made and how it works: from atoms to galaxies. Units include physics of motion, energy, heat and temperature, electricity, matter and chemistry, and the structure and origin of the Universe, galaxies and stars. All of the instruction is delivered via labs, demonstrations, projects, and worksheets. The course emphasizes quantitative science and requires the use of symbolic algebra. There are no lectures and there is no textbook for the course. Extensive and frequent lab work emphasizes safety, data collection and analysis, and best lab practices. Physical Science is designed to prepare students for chemistry and physics.

3100 A & B BIOLOGY Fee Required

Credits: 1.0 Life Science Prerequisite: Physical Science.

Biology is a required course for graduation. Life is examined at the molecular level by looking at life processes: chemistry, biochemistry, cells, DNA, cell division, genetics, and cell energy systems. Life is also examined as a connected system by looking at the following concepts: evolution, population ecology, and taxonomy. All students will receive a broad overview of anatomy and physiology by participating in an animal dissection. Daily study and preparation is required to be successful in this course.

HON 3100 A & B HONORS BIOLOGY Fee Required

Credits: 1.0 Life Science EOC Scores of 4 or 5, academic review panel approval.

This class is for students who excel in science and are able to approach life science with greater critical thought and independent research. Life is examined at the molecular level by looking at life processes: chemistry, biochemistry, cells, DNA, cell division, genetics, and cell energy systems. Life is also examined as a connected system by looking at the following concepts: evolution, population ecology, and taxonomy. All students will receive a broad overview of anatomy and physiology by participating in an animal dissection. Daily study and preparation is required to be successful in this course.

3110 A & B HUMAN ANATOMY AND PHYSIOLOGY Fee Required

Credits: 1.0 Science Prerequisites: Biology & 2.0 grade average.

This course fulfills an advanced level science requirement. Students will investigate human anatomy and physiology: the skeletal system, circulatory system, digestive system, excretory system and nervous system. The lab will include a dissection of a shark and fetal pig (depending on availability, cats may be substituted for fetal pig). The course work requires independent, research based investigation and higher level class discussion. Will count for Honors Diploma.

3120 A & B CHEMISTRY Fee Required

Credits: 1.0 Science

Students will investigate the composition of matter and the physical and chemical changes it undergoes. Units of study include the fundamental structure of atoms, the way atoms combine to form compounds, and the interactions between matter and energy. This is a laboratory science course in which students explore chemistry concepts through an inquiry-based approach. Embedded standards for inquiry, mathematics, and technology are taught in the context of atomic structure, matter and energy, and interactions of matter. Will count for Honors Diploma.

3140 A & B ENVIRONMENTAL SCIENCE Fee Required

Credits: 1.0 Science Prerequisites: Physical Science

Environmental Science enables students to develop an understanding of natural and man-made environments and environmental problems the world faces. Students explore environmental science concepts through an inquiry-based approach. Units include earth systems, human population impact, water, land, and energy resources, consumption, pollution and waste production, global change, and civic responsibility. **Does not count for Honors Diploma.**

3150 A & B PHYSICS Fee Required

Credits: 1.0 Science Prerequisites: academic review panel approval.

Physics will be designated as an Honor course on the student's transcript. The course emphasizes lab work, mathematical analysis, and problem solving. First semester topics include: force and motion, work and energy, momentum, circular motion and gravity, and vibration, waves and sound. Second semester topics include light and optics, electricity and magnetism, properties of solids and fluids, and heat and temperature. Students are expected to demonstrate a very high level of self-motivation and independence. The course uses the Flipping Physics™ video series for instruction outside of class so that class time can be reserved for problem solving and lab work. Students must also complete summer work designed to prepare them for the mathematical demands of the course. Although the course is algebra-based, the use of symbolic algebra and literal equations is often a challenge for students. Also, students will become facile with probeware and scientific data-analysis software, and be required to use spreadsheets for routine data analysis. **Will count for Honors Diploma.**

9820 A & B INTRODUCTION TO ENGINEERING DESIGN Fee Require

Credits: 1.0 Elective Prerequisites: Algebra I, Geometry is recommended.

This course is part of the PLTW sequence, a national effort to promote K-12 engineering education. This particular course introduces the process of engineering design and also covers many fundamental principles of engineering.

Students will learn the PLTW design process (from problem definition through concept generation to prototype testing) and apply that process in numerous hands-on design projects throughout the course (cable car chore machine, fling machine and others). Students will also become skilled in design tools, including technical drawing, visual design, dimensioning, statistical analysis, mathematical modeling (including the use of spreadsheets), and (especially) Autodesk Inventor — a 3D CAD program. Students will use these tools throughout the course and in the capstone project: the design of a working automaton. This course is a sequel to STEM courses taken in the middle school (also part of the PLTW curriculum) and provides a foundation for the Principles of Engineering and other higher level PLTW courses.

9830 A & B PRINCIPLES OF ENGINEERING Fee Required

Credits: 1.0 Elective Prerequisites: Algebra I and Geometry are recommended and Introduction to Engineering Design. Grades 10-12. (10th grade students require academic review panel approval.)

This demanding course, part of the national PLTW program to promote K-12 engineering education, provides students with a comprehensive introduction to most of the fundamental engineering topics that they will encounter in college courses and in engineering careers. The course is strongly oriented towards mathematical analysis. It includes units on simple machines, energy (including electrical circuits and motors), thermodynamics, statics (including analysis of trusses), material testing, robotics, programming, probability, and statistics. These same topics are covered in the two-year core engineering sequences at most universities. Therefore this course is highly recommended for, but not limited to, any student considering an engineering career. The course uses the VEX robotics platform for building robots and other mechanical devices and uses RobotC for an extensive introduction to programming.

9840 A & B DIGITAL ELECTRONICS Fee Required

Credits: 1.0 Elective Prerequisite: Introduction to Engineering Design and Principles of Engineering. Grades 10-12.

This course is part of the PLTW sequence, a national effort to promote K-12 engineering education.

Digital electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. The major focus of the DE course is to expose students to the design process of combinational and sequential logic, teamwork, communication methods, engineering standards, and technical documentation.

Students will analyze, design, and build digital electronic circuits using sophisticated industry-standard electronic design tools such as MultiSlim (circuit simulation), the MyDAQ breadboard, PLDs (programmable logic devices), and Arduinos (microcontrollers). While implementing these designs, students will hone their professional skills, creative abilities, and understanding of the circuit design process. Other than their concurrent enrollment in college preparatory mathematics and science courses, this course assumes no previous knowledge.

SOCIAL STUDIES

4090 A & B MODERN WORLD HISTORY 1600 to Present

Credits: 1.0 Social Studies Required for 9th and 10th grade

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

4100 A & B AMERICAN HISTORY 1877 to Present

Credits: 1.0 Social Studies Prerequisite: Required for 9th and 10th graders

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

This class builds from eighth grade American History and helps advanced students prepare for AP US History. Students will take the American History EOC exam at the beginning of the fourth quarter.

HON 4100 A & B HONORS AMERICAN HISTORY 1877 to Present Fee Required

Credits: 1.0 Social Studies Prerequisite: OST and/or EOC Scores of 4 or 5, academic review panel approval. Summer assignments are required to be completed.

Honors American History 1877 to present will cover much of the same material as regular American History but in greater depth. There will be an increased emphasis on document analysis, historical writing skills, evaluation of events and actions (pros and cons) regarding historical issues. Multiple assessment methods will be used. Students will take the American History EOC exam at the beginning of the fourth quarter.

AP 4100 A.P. UNITED STATES HISTORY Fee Required

Credits: 1.0 Social Studies Prerequisites: C+ or better in Honors American History and in Honors Modern World and academic review panel approval.

The AP U.S. History course focuses on developing students' understanding of American history from approximately 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. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

Students must take the AP US History exam in the Spring. College credit is available based on AP exam score and college or university requirements. AP reimbursement sliding scale applies.

4110 A & B AMERICAN GOVERNMENT

Credits: 1.0 Social Studies

This course is required for graduation. It explains and gives a basic understanding of the working parts of the federal, state, and local governments of the United States. It includes a study of the American Constitution, world economic systems, globalization, war on terrorism and various dependent agencies of the government as well as the executive, legislative, and judicial branches. Students will take the American Government EOC exam at the beginning of the fourth quarter.

4301 A & B FILM STUDY OF HISTORY

Credits: 0.5 Elective Semester Course Prerequisites: none Grades: Junior/Senior students

This course is the study of World Politics and History through the lens of a camera. Asia, Europe, the Middle East and emerging superpowers and their politics will be analyzed regarding their role on the historical stage. Students will be challenged in the study of modern political leaders, the Presidency, World Governments and World War I and II as characterized through the film industry.

4300 A & B MODERN HISTORICAL PERSPECTIVES

Credits: 0.5 Elective Prerequisites: None Grades: 11-12 (The internet usage box in the agenda book must be marked “accept” with parent signature and on file in the office.)

In a time of continual change, confusion, and distrust, it is important and necessary for young adults to be able to voice their concerns and listen to the concerns of others. The purpose of this course is to provide a forum for the open discussion of current events. Particular attention will be paid to events in U.S. foreign policy, economics, defense, and national politics. Current social issues having an impact on contemporary society will also be discussed.

FAMILY AND CONSUMER SCIENCES

Related activities: Career & Technical Student Organization - FCCLA

9047 INTRODUCTION TO FAMILY AND CONSUMER SCIENCES Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: None Grade 9-10

This course will provide students with an overview of the four major content areas of Family and Consumer Sciences. Students will be introduced to child development, family relationship concepts and how they relate to family dynamics. Additionally, students will identify financial literacy and consumer economic principles. Students will understand the concepts of design through textiles for personal and home use. Throughout the course, students will develop communication, leadership and career investigation skills.

9010 PRINCIPLES OF FOOD CHEF I Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: Grades: 9-10

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized. Cooking labs will reinforce information learned in this course. Students can expect to cook one to two days per week.

9020 CULINARY FUNDAMENTALS – CHEF II Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisite: CHEF I - Grades: 9-10

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on *mise en place*, apply cooking methods, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. Cooking labs will reinforce information learned in this course. Students can expect to cook one to two days per week.

9030 NUTRITION AND WELLNESS – CHEF III Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisite: CHEF I & II - Grades 11-12

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle. Cooking labs will reinforce information learned in this course. Students can expect to cook one to two days per week.

9040 GLOBAL FOODS – CHEF IV Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: CHEF I, II, & III - Grades 11-12

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. Cooking labs will reinforce information learned in this course. Students can expect to cook one to two days per week.

9041 CHILD DEVELOPMENT/PARENTING Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: Intro to Family and Consumer Sciences - Grade 11-12

Students will explore the world of children and prepare them to work with children. Human reproduction, labor and delivery, child growth and development, and how to assume the parenting role will be covered. A Real Care Baby will be taken home for a weekend to further the understanding of the requirements of parenting. Students will be involved in completing observations in the childcare field, creating projects to promote healthy child development, and completing a service project during the semester.

9042 PERSONAL FINANCIAL MANAGEMENT Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: None Grades 10-12

Skills will be developed to achieve personal and sound financial wellness. The implications of financial decisions regarding the use of credit, insurance, spending, income and education will be incorporated. The use of multiple curriculums will be used to reinforce financial management practices. *Foundations in Personal Finance*, a Dave Ramsey curriculum, is used as a guide for this class. The online Next Gen Personal Finance curriculum helps to make this a real-life, hands-on course. An authentic simulation project will be included. **This class fulfills the Financial Literacy requirement.**

9043 CAREER AND COLLEGE READINESS Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: None Grade 10-12

This class prepares students for life after high school. Personal interests, talents, skills and values will be analyzed to create a career blueprint. There will be a real life simulation project on how to manage life on your own while having a career and household responsibilities. There will be an emphasis on core employability skills. Applying for jobs and scholarships and developing college readiness skills will be covered as well. Adult readiness is the main focus of this course.

9048 TRANSITIONS AND CAREER Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: None Grades 9-10

In this course, students will analyze interests, aptitudes and skills to prepare for careers and transition through life. An emphasis will be placed on work ethics, team building, communication and leadership skills. Additional topics will include technology etiquette, building healthy relationships, and career planning. Students will receive information via presentations from multiple people in a variety of careers and jobs. Students will create short and long-term goals in this semester class.

9049 LEADERSHIP AND COMMUNITY ENGAGEMENT Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: Intro to Family and Consumer Science

Grades 11-12

In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on in-service learning, leadership training and team building opportunities. Additional topics will include public policy issues, community and global engagement. Students will be engaged in planning, organizing, and implementing a service learning project that will support local concerns.

9050 PERSONAL WELLNESS AND DEVELOPMENT Fee Required

Credits: 0.625 \$\$ Elective Semester Course Prerequisites: None Grades 9-10

In this course students will develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem-solving, work ethics, nutritional and food selections, family dynamics and personal health. Students will learn various strategies to help them develop as high school students.

FINE ARTS

5090A ART FOUNDATIONS I Fee Required

Credits: .50 Fine Arts Semester Course Prerequisite: None

This course is planned and organized to be an introductory art course. It offers students an opportunity to explore and expand their knowledge of art. Basic elements of art, design, composition, drawing, perspective, and college will be emphasized. Students will be required to keep a sketchbook of weekly sketches.

5090B ART FOUNDATIONS II Fee Required

Credits: .50 Fine Arts Semester Course Prerequisite: Art Foundations I

This course extends the learning of Art Foundation I. Drawing techniques will continue to be emphasized along with an introduction to painting, printmaking, calligraphy, and sculpture. Students will be required to keep a sketchbook of weekly sketches.

5092 A & B ART II Fee Required

Credits: 1.0 Fine Arts Prerequisite: "C" or better in Art Foundations I and II. Grades 10-12

This course extends the learning of Art Foundations I and II. More advanced drawing, painting, and printmaking techniques will be emphasized in this course. Students will be required to keep a sketchbook of weekly sketches.

5091 A & B ADVANCED ART Fee Required

Credits: 1.0 Fine Arts Prerequisite: "B" or better in Art II. Grades 11-12

This course extends the learning of Art II with more development and more exploration in drawing, painting, and other media. As a student advances, there will be encouragement to work increasingly independently, while still receiving guidance needed. Students will be required to keep a sketchbook of weekly sketches.

5011A CRAFTS/CERAMICS I Fee Required

Credits: .50 Fine Arts, 1/2 Year Prerequisite: Art Foundations I or Introduction to Design I

This class focuses on both two and three dimensional projects with less focus on drawing skills. Students will produce many projects that are functional and with a design focus. Media used in this class will be paper, fabric, clay, recycled materials, paint and pastels. Students will be required to keep a sketchbook for weekly sketches.

5011B CRAFTS/CERAMICS II Fee Required

Credits: .50 Fine Arts Semester Course Prerequisite: Art Foundations I or Introduction to Design I

This class allows for further study of Crafts/Ceramics. Students will create more developed products in paper, fabric, clay and recycled materials. Students will be required to keep a sketchbook for weekly sketches.

5020A INTRODUCTION TO DESIGN I Fee Required

Credits: .50 Fine Arts Semester Course Prerequisite: None

This class focuses on hands on two dimensional projects with a design emphasis in graphic arts. This class will include assignments involving painting, drawing, illustration, printmaking, industrial design, interior design, and some three dimensional design. Students will be required to keep a sketchbook for weekly sketches.

5020B DESIGN II Fee Required

Credits: .50 Fine Arts Semester Course Prerequisite: Design I.

Students will create more advanced projects involving painting, drawing, illustration, printmaking, industrial design, interior design, and some three-dimensional design. Students will be required to keep a sketchbook for weekly sketches.

5030A SCULPTURE I Fee Required

Credits: .50 Fine Arts Semester Course Prerequisite: "C" or better in Art Foundations I and II Grade: 10-12

This class focuses on hands-on three dimensional design in various media. Students will explore with clay, metal, wood, wire, cardboard, recycled materials, and found objects to create sculpture. Students will be required to keep a sketchbook for weekly sketches.

5030B SCULPTURE II Fee Required

Credits: .50 Fine Arts Semester Course Prerequisite: Sculpture I Grade: 10-12.

A continuation of Sculpture I with further study in clay, metal, wood, wire, cardboard, recycled materials, and found objects. There will be more focus on personal expression in three-dimension and development of problem solving. Students will be required to keep a sketchbook for weekly sketches.

MUSIC DEPARTMENT

8100 A & B CONCERT BAND Fee Required

Credits: 1.0 Fine Arts Prerequisite: Prior participation in band program or at director's discretion.

(Credit will meet fine art credit for high school graduation)

Concert Band is open to students who play a woodwind, brass, or percussion instrument. Through the pursuit of musical excellence, students will perform high quality works composed for the Wind Band medium. The Concert Band publicly performs dozens of times a year at events both on and off campus. Students enrolled in Concert Band will also have opportunities to perform in small chamber groups and solo settings. Concert Band is a full year, full credit class with mandatory after-school/evening rehearsals and performances.

8200 A & B JAZZ BAND Fee Required

Credit .5 Fine Arts (offered both Fall and Spring semesters) Prerequisite: prior participation in band program or at the director's discretion

Jazz Ensemble is open to instrumental music students who wish to study jazz music. Students will perform works from the standard jazz styles including swing, blues, latin, rock, and contemporary. Students will also learn about jazz history, specific stylistic performance practices, and improvisation. Students who play piano, electric guitar, electric bass, and drum set are welcome to join at the discretion of the director. Jazz Ensemble is a semester class offered both Fall and Spring semesters with mandatory after-school/evening rehearsals and performances.

8300 A & B CONCERT CHOIR Fee Required

Credit: 1.0 Fine Arts (Credit will meet fine art credit for high school graduation)

All students are welcome to participate although previous choral experience is preferred. This is a mixed performance ensemble that meets during the school day. There are at least four required performances with the opportunity to participate in small ensembles and solo work. Select students may participate in honors choir. A variety of repertoire is sung. Writing and reading music is taught. There are field trips. National Standards for Music education will be taught.

WORLD LANGUAGES

7000 A & B SPANISH I Fee Required

Credits: 1.0 Elective Prerequisite: English grade of C or better.

Students will begin their language learning by working with basic vocabulary and grammar in order to achieve a proficiency level of Novice-Mid by the end of the course. This vocabulary and grammar will be incorporated into a variety of culturally relevant thematic units throughout the year. Student participation is required to achieve language proficiency at the stated level by the end of the course.

7010 A & B SPANISH II Fee Required

Credits: 1.0 Elective Prerequisite: Grade of C or better in Spanish I & academic review panel approval.

Students will continue their language learning by working further with vocabulary and grammar in order to achieve a proficiency level of Novice-High by the end of the course. This vocabulary

and grammar will be incorporated into a variety of culturally relevant thematic units throughout the year. Student participation is required to achieve language proficiency at the stated level by the end of the course.

7020 A & B ADVANCED SPANISH Fee Required (Can be taken in consecutive years with alternating curriculum for a total of two credits over two years)

Credits: 1.0 Elective Prerequisite: Grade of C or better in Spanish II & academic review panel approval.

Students will continue their language learning by working further with vocabulary and grammar in order to achieve a proficiency level of Intermediate-Low by the end of the third year, and Intermediate-Mid by the end of the fourth year. This vocabulary and grammar will be incorporated into a variety of culturally relevant thematic units throughout the year. Student participation is required to achieve language proficiency at the stated level by the end of the course.

7050 A & B GERMAN I Fee Required

Credits: 1.0 Elective Prerequisite: English grade of C or better.

Students will begin their language learning by working with basic vocabulary and grammar in order to achieve a proficiency level of Novice-Mid by the end of the course. This vocabulary and grammar will be incorporated into a variety of culturally relevant thematic units throughout the year. Student participation is required to achieve language proficiency at the stated level by the end of the course.

7060 A & B GERMAN II Fee Required

Credits: 1.0 Elective Prerequisite: Grade of C or better in German I & academic review panel approval.

Students will continue their language learning by working further with vocabulary and grammar in order to achieve a proficiency level of Novice-High by the end of the course. This vocabulary and grammar will be incorporated into a variety of culturally relevant thematic units throughout the year. Student participation is required to achieve language proficiency at the stated level by the end of the course.

7070 A & B ADVANCED GERMAN Fee Required (Can be taken in consecutive years with alternating curriculum for a total of two credits over two years)

Credits: 1.0 Elective Prerequisite: Grade of C or better in German II & academic review panel approval.

Students will continue their language learning by working further with vocabulary and grammar in order to achieve a proficiency level of Intermediate-Low by the end of the third year, and Intermediate-Mid by the end of the fourth year. This vocabulary and grammar will be incorporated into a variety of culturally relevant thematic units throughout the year. Student participation is required to achieve language proficiency at the stated level by the end of the course.

HEALTH AND PHYSICAL EDUCATION

6090P PHYSICAL EDUCATION I & PHYSICAL EDUCATION II Fee Required

Credits: 0.25 PE Semester Course Prerequisites: None **Graduation Requirement**

This class is a combination of classroom learning and physical activity participation. In today's society, physical activity is an essential component of a healthy lifestyle. Students will learn why regular planned physical activity is important, how to develop a personal plan for being physically active and concepts necessary for successful participation in regular physical activity. Students acquire the knowledge and skills to take responsibility for their health and well-being by learning different methods of exercise, how to perform exercises correctly, and how to properly plan fitness activities, all while emphasizing the development of a good attitude toward lifetime physical activities. Health-related fitness components emphasized include cardiovascular fitness, muscular strength, muscular endurance, flexibility, and body fat control. Skill-related fitness components emphasized include balance, coordination, reaction time, agility, power, and speed. The skills above are taught through units including nutrition, body conditioning, team sports, leisure activities and individual activities. Students will be introduced to life-long activities designed to increase their likelihood of exercising in the future. Students will understand the benefits that regular exercise can provide for a person's mental, emotional, physical, and social health.

6095H HEALTH Fee Required Fee Required

Credits: 0.50 Health Semester Course Prerequisites: None **Graduation Requirement**

This course is designed to provide students with an opportunity to learn about the physical, mental, emotional, spiritual and social aspects of health. An emphasis is placed on the importance of making healthy decisions that will lead to a higher quality of life. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts), determine personal values that support health behaviors and develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Course information is presented in a practical manner incorporating current health trends and concerns. Content areas include the following: promoting personal health and wellness, physical activity, healthy eating, promoting safety and preventing unintentional injury and violence, promoting mental and emotional health, stress management, dating violence, healthy relationships, a tobacco-free lifestyle and an alcohol- and other drug free lifestyle, infectious and non-infectious diseases, CPR, first aid, organ donation and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

6120WLEL WEIGHTLIFTING

Credits: 0.25 Non-Elective Semester Course Prerequisites: Physical Education I & II and cumulative 2.0 GPA Underclassmen with permission from instructor only.

This semester class will develop students knowledge of weightlifting, techniques of lifting and personal qualities (self-image, leadership, work ethics, goal setting, and weight gain/loss).

6140LSR LIFETIME SPORTS & RECREATION

Credits: 0.25 Non-Elective Semester Course Prerequisites: Physical Education I & II and cumulative 2.0 GPA

Lifetime Sports and Recreation reinforces the importance of physical activity to one's health and encourages students to continue participating in various lifetime sports and recreational activities. Activities will focus on court, field and other lifetime sports including, but not limited to; Ultimate Frisbee, Frisbee Golf, badminton, volleyball, handball, floor hockey, ping pong, basketball, softball, flag football, soccer, archery, golf, pickleball and bowling. Developing sport skill competency and understanding of key tactical aspects of game play/competition are major focal points throughout the class. Along with monitoring their daily physical activity, students will set their own skill development goals, identify and engage in appropriate practice strategies, and monitor their own progress toward skill competency. Safety and injury prevention, rules and regulations, and performance and sportsmanship will be emphasized.

INDUSTRIAL ARTS

9200A WOODS DESIGN I Course Fee and Material Fee Required

Credits: 0.5 Elective Semester Course Prerequisite: None

This course is designed to teach students the basics of hand tools, power tools, and woodworking machines. Students will learn the processes and procedures of wood building. A strong focus on shop and tool safety, reading measurements and step-by-step instructions will be taught.

9200B WOODS DESIGN II Course Fee and Material Fee Required

Credits: 0.5 Elective Semester Course Prerequisite: Passing grade in Woods Design I

This course is a continuation of Woods I. Different types of construction methods and more complex projects will be taught. Building two or three projects will be required. Identification of wood types and wood finishes will be taught.

9230 A & B ADVANCED WOODS DESIGN Course Fee and Material Fee Required

Credits: 0.5 Elective Semester Course Prerequisite: "B+" or better grade in Woods I and II and academic review panel approval.

This class is for advanced students who want to create independent projects and desire to increase their knowledge and skills in the woodworking field. Individual attention will be given to guide the student through an advanced project. This semester course may be repeated at 0.5 credits per course/semester. These classes are for advanced students who will create independent projects under the instructor's supervision. May count for a maximum of .5 Fine Art credit.

9240 A & B INFORMATION TECHNOLOGY FUNDAMENTALS Fee Required

Credits: 1.0 Elective Prerequisite: None

This course covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, and responsibilities of an IT professional. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, apply permissions and share resources in a networked environment, and troubleshoot mobile devices such as tablets using industry tools. This course follows the preparation guidelines for CompTIA's A+ Industry Certification and is designed to prepare students for entry-level positions.

9250 A & B DRAFTING AND TECHNICAL DRAWING Fee Required

Credits: 1.0 Elective Prerequisite: Grade 10-12

Students will be learning basic mechanical drawing/drafting and working with blueprint drawings either in manufacturing or construction. Orthographic and isometric drawings will be created and dimensioned. Basic applied mathematics will be a constant focus.

VISUAL MEDIA

9409 GRAPHIC DESIGN FOR EVERYBODY I Fee Required

Credits: 0.5 Elective Prerequisite: Grades: 10-12

So you think you're not a designer? In this class you'll use the Adobe Creative Suite to make a variety of print and electronic projects. You will also learn the basics of graphic design while using Photoshop, Illustrator, and InDesign.

9410 GRAPHIC DESIGN FOR EVERYBODY II Fee Required

Credits: 0.5 Elective Prerequisite: Graphic Design I Grades: 10-12

This class is a continuation of Graphic Design for Everybody I. You will create more advanced media projects using Flash and audio/video editing tools.

9420 A & B BLACK RIVER POST Fee Required

Credits: 1 Elective Year Course Prerequisite: None Grades, 10-12, academic review panel approval and score 3 or higher on the ELA ECO.

Journalists in this class will produce the school newspaper, the Black River Post. Students will learn how to come up with story ideas, interview people, write stories, take pictures, and lay out a newspaper using Adobe InDesign. Students will also learn the laws and policies regarding publications.

9430 A & B WHEELING & DEALING: HOW MARKETING WORKS

Credits: 1.0 Elective Prerequisite: None Grades: 11-12

Did you ever wonder how stuff ends up in a store? How do businesses know what people want to buy? In this class you will learn why companies do what they do to get you to spend your money.

9440 A & B YEARBOOK Fee Required

Credits: 1 Elective Year Course Prerequisite: None Grades, 11-12 and academic review panel approval.

Students will learn some of the basic concepts of the Principles of Design to create a memorable and attractive yearbook. Students will become familiar with the concept of creating a yearbook, from taking enough pictures to scheduling and deadlines to fundraising.

9411 INTRO TO TECHNOLOGY I Fee Required

Credit: .5 Elective Semester Course Prerequisite: None

This course is an overview of computer hardware, software, and applications. Emphasis is placed on digital literacy, media literacy, and extensive hands-on computer experience. The course includes an introduction to Windows operating system, file management, keyboarding, basic computer coding, and productivity software.

9412 A & B ADVANCED MEDIA DESIGN Fee Required

Credits: 1 Elective Year Course Prerequisite: Graphic Design for Everybody Grades, 11-12 and academic review panel approval.

Students in this class will explore aspects of modern media production and design. Students will continue to develop their design skills for print, social media and web using a variety of current software. Students will work in teams using critical thinking skills to conceive, develop, report and produce projects on a variety of topics. The work is largely project-based, requiring both independent work and group management skills. May count for a maximum of .5 Fine Art credit.

AGRICULTURAL EDUCATION

Related activities: National FFA Organization

When enrolled in any agricultural courses, students will have the opportunity to become an active member of the Black River FFA Chapter where they will be developing their potential for premier leadership, personal growth and career success through agricultural education.

9100 AGRICULTURE, FOOD AND NATURAL RESOURCES Fee Required

Credit: 1.25 Elective \$\$ Prerequisites: None Grade: 8-10 Recommended

This is an introduction to the Agricultural and Environmental Systems career field. Students will examine principles of food science, natural resource management, animal science and management, plant and horticultural science, power technology, woodworking, welding 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.

9110 ANIMAL AND PLANT SCIENCE Fee Required

Credit: 1.25 Elective \$\$ Prerequisites: None Grade: 9-12

Students will apply knowledge of animal and plant science while being 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 and marketing in relation to the production of animals. Students will also 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.

9120 MECHANICAL PRINCIPLES Fee Required

Credit: 1.25 Elective \$\$ Prerequisites: Agriculture, Food and Natural Resources Course Grade: 11-12

Mechanical Principles is a hands-on class intended for juniors and seniors. Students will engage in the mechanical principles utilized in animal and plant production systems. This class focuses on construction skills in both metal, wood and concrete materials. Students will build small projects individually as well as contribute to a large class project. Topics include electrical theory, design and wiring, and metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identifying, diagnosing, and maintaining small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and

leadership skills.

9130 AGRICULTURAL BUSINESS MANAGEMENT Fee Required

Credit: 1.25 for class + *CTAG (College Credit) Elective \$\$ Prerequisite: None Grade: 10-12

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations are identified. A student who successfully passes this class with a C or better and earns a 73 or higher on their Webxam will be eligible to request credit for an Agribusiness Management course at any state institution that is approved for CTAGP003.

9140 FORESTRY AND WOODLAND ECOSYSTEMS Fee Required

Credit: 1.25 Elective \$\$ Prerequisite: None Grade: 9-12

Students will apply principles of botany, dendrology and silviculture to the management of forests and forest ecosystems. They will apply principles of timber cruising with surveying and mapping techniques to take forest measurements. Learners will develop the knowledge and skills necessary for forest reforestation, timber stand improvement, timber harvesting and forest product utilization. Learners will operate and maintain forestry equipment, apply fire management practices, and understand related regulations, laws, and policy issues.

9150 AGRICULTURAL CAPSTONE

Credit: 1.25 Elective \$\$ Prerequisite: Suggested that Juniors and Seniors alternate this class with Agricultural Business Management. In addition, must have taken Agriculture, Food and Natural Resources, Animal and Plant Science and Mechanical Principles. Grade: 11-12 and academic review panel approval.

This class is for upper-level agriculture students as a way to expand their learning. This class is more self-directed in nature to allow for specialization for each student to develop their research and projects.

9151 AGRICULTURAL AND ENVIRONMENTAL SYSTEMS CAPSTONE/EARLY WORK RELEASE Fee Required

Credit: 1.25 Elective \$\$ Prerequisite: Student must have previously taken three (3) of the following classes: Agriculture, Food and Natural Resources, Animal Plant and Science, Agricultural Business Management or Mechanical Principles and/or currently be enrolled in one of the four classes previously listed, and academic review panel approval..

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstone are project/problem-based learning opportunities that occur both in and away from school. Under the supervision of the school, and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship-employment, cooperative education, apprenticeships and internships.

ALTERNATE COURSES

STUDY SKILLS

Credit: .5 Elective. Prerequisite: IEP Required. Placement upon approval of the Student Services Director. Students will receive marks of pass/fail.

Study Skills is designed to assist students learn, understand, and reinforce concepts and/or assignments presented in the general curriculum. Students have the opportunity to develop and strengthen good study habits and learning strategies through various instructional methods and strategies. Specific goals and objectives identified in the student's IEP will be integrated into the class. The study skills teacher will collaborate with regular education teachers on an on-going basis to develop student strategies and design lessons to best meet the academic requirements of the regular classroom. Study Skills is a support class for students taking regular education classes. Emphasis is placed on core classes.

***This course is not included in the calculation of grade point average.**

TRANS A & B WORK STUDY

Credit: 1 (must obtain 120 work hours per credit) Pass/Fail Elective. Prerequisite: IEP/504 Required. Placement upon approval of the Transition Coordinator and Student Services Director. Students will be required to submit pay stubs to the Transition Coordinator. Students will receive marks of pass/fail.

The goal of the work study program is successful community job experiences and full time employment after graduation. Students can also earn elective credit by working after school and on weekends. For every 120 hours they work as evidenced by a pay stub, turned into the work-study coordinator, the student earns elective credit. Each student/parent(s) must sign a contract prior to enrollment in the course. The workplace becomes their classroom. Students are evaluated 3-4 times per year. Goal setting and strategy sessions are held with the Transition Coordinator to improve employability skills as needed.

***This course is not included in the calculation of grade point average.**

CENTRIC ACADEMY

Black River Local Schools offers an alternative learning environment for credit recovery or to support students with extenuating circumstances who are unable to attend school on a daily basis. This provides an opportunity for students to continue a path toward graduation that would ultimately allow them to graduate with a diploma from Black River Local Schools. Placement in the Centric Academy is only possible by working with the building administration and the student services director (if appropriate). Currently, the district provides online courses through the Ohio Online Learning Program.

COLLEGE CREDIT PLUS COURSES

ENGLISH

CCP 1130 ENGLISH COMPOSITION I

This Course is offered through the COLLEGE ACADEMY:College Credit Plus Program.

Credits: 3.0 college credits and 1.0 high school credit.

Prerequisites: Must meet requirements for English in the College Academy: College Credit Plus program.

Students will read texts that serve as models for writing skills. Critical thought of readings will be shown through rhetorical analyses and quizzes. In addition, four major papers will be completed throughout the semester which will strengthen complexities in the six traits of writing and prepare students for persuasive writing in English Composition II.

CCP 1131 ENGLISH COMPOSITION II

This Course is offered through the COLLEGE ACADEMY:College Credit Plus Program.

Credits: 3.0 college credits and 1.0 high school credit.

Prerequisites: Must meet requirements for English in the College Academy: College Credit Plus program and English Composition I.

Students will become knowledgeable of persuasive writing techniques. A group project and presentation will be completed to reveal student awareness of the importance of detailed critical thought. Readings will be springboards for ideas for the four major papers which will grow incrementally in length and difficulty throughout the semester.

CCP 1140 FICTION APPRECIATION

This Course is offered through the COLLEGE ACADEMY:College Credit Plus Program.

Credits: 3.0 college credits and 1.0 high school credit.

Prerequisites: Must meet requirements for English in the College Academy: College Credit Plus program and have completed English Composition I and English Composition II.

Close reading and analysis of fiction, poetry, and drama from the evolving canon of American, British and World Literature. Students will respond to literature through analytical and research papers and comprehensive exams. This course satisfies the Humanities Option of the General Studies Program.

CCP 1150 EFFECTIVE ORAL COMMUNICATION

This Course is offered through the COLLEGE ACADEMY:College Credit Plus Program.

Credits: 3.0 college credits and 1.0 high school credit.

Introduce students to principles and practices of effective communication and apply them in a variety of settings, with an emphasis on public speaking. Students will orally present well organized material to others in the form of a prepared speech. Further, the ability to listen and evaluate messages and to work with others and their ideas are the foundational tenets of democracy. Students will practice fundamental communication and rhetorical skills that will enhance interactions with others, as well as study the relationship between communication and democracy toward leading a civically engaged life.

MATH

CCP 2095 ALGEBRA FOR CALCULUS

This Course is offered through the COLLEGE ACADEMY-College Credit Plus Program.

Credits: 4.0 college credits and **1.00** high school credit.

Prerequisites: Must meet requirements for the College Academy: College Credit Plus program.

This course can be taken with Algebra II or as an additional Math class after completion of Algebra II. This is a College Level study of Algebraic concepts and applications. The purchase of a TI-83 (or higher) graphing calculator is required.

CCP 2230 BASIC STATISTICS

This Course is offered through the COLLEGE ACADEMY-College Credit Plus Program.

Credits: 3.0 college credits and 1.0 high school credit.

Prerequisites: Must meet requirements for the College Academy: College Credit Plus program and have a math score of 22 on the ACT test.

Applied approach to data description and statistical inference (hypothesis testing, estimation). Analysis of ratios, rates, and proportions. Computer applications laboratory.

SCIENCE

CCP 3150 A & B PHYSICS FOR LIFE SCIENCE

This Course is offered through the COLLEGE ACADEMY-College Credit Plus Program. Academic review panel approval.

Credits: 4.0 college credits and **1.00** high school credits.

This honors-level general physics course is designed to satisfy the physics credit requirement for undergraduate majors in the life sciences, and covers all of the topics typical of honors high school physics. The course emphasizes lab work, mathematical analysis, and problem solving. First semester topics include force and motion, work and energy, momentum, circular motion and gravity, and vibration, waves and sound. Second semester topics include light and optics, electricity and magnetism, properties of solids and fluids, and heat and temperature. Students are expected to demonstrate a very high level of self motivation and independence. The course uses the Flipping™ video series for instruction outside of class so that class time can be reserved for problem solving and lab work. Students must also complete summer work designed to prepare them for the mathematical demands of the course. Although the course is algebra-based, the use of symbolic algebra and literal equations is often a challenge for students. Also, students will become facile with probeware and scientific data-analysis software and be required to use spreadsheets for routine data analysis.

SOCIAL STUDIES

CCP4200 GOVERNMENT & POLITICS IN THE U.S.

This Course is offered through the COLLEGE ACADEMY-College Credit Plus Program. Academic review panel approval.

Credits: 3.0 college credits and 1.0 high school credit.

Introduction to international politics and an examination of the governments and foreign policies of selected states from a comparative perspective.

CCP 4202 COMPARATIVE GOVERNMENT AND POLITICS

This Course is offered through the COLLEGE ACADEMY-College Credit Plus Program. Academic review panel approval.

Credits: 3.0 college credits and 1.0 high school credit.

Comparative Government and Politics introduces students to the complex and fascinating political life outside the United States. This course uses a comparative approach to examine the political structures, policies and the political, economic, and social challenges among various selected countries: Great Britain {European}, Russia {EurAsia}, Iran {Near East}, China {Asia}, Nigeria {Africa}, and Chile' {South America}. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.

CCP 4203 INTRODUCTION TO SOCIOLOGY

This Course is offered through the COLLEGE ACADEMY-College Credit Plus Program.

Credits: 3.0 college credits and 1.0 high school credit.

Sociology is the scientific study of the development, structure and functioning of human society. As a behavioral science, the discipline of sociology looks at people in social groups as well as contemporary social issues (social problems) with an emphasis on the socialization process. The focus is on social forces outside of the individual that shape, expand, and limit experiences and choices. This introductory course will cover fundamental theories, methods, and concepts of sociology that enable the student to view the world through a sociological perspective.

MEDINA COUNTY CAREER CENTER

Black River High School juniors and seniors have the opportunity to attend the Medina County Career Center, which offers over 25 career technical majors along with a wide variety of academics and electives including college prep, post-secondary option, and dual credit courses.

Students who intend to enroll at the Career Center must have completed two years of high school and should plan ahead to be sure they are earning all necessary credits required for graduation and/or college entrance.

Through the combination of career technical education, advanced academics and industry-based certifications, students leave the Career Center with the skills they need to pursue a career and/or further their education at the university level. Students will receive their diploma from Black River High School and a Career Technical Certificate from the Career Center.

Busing to and from the Career Center is provided by the Black River Local School District and is subject to the same rules that govern busing for high school students in the district. Students take part in all Black River activities, and are eligible for all honors, scholarships and benefits.

Visual Media Imaging Majors

- Digital Design
- Graphic Arts
- Video Production

Information Technology Majors

- Business & Marketing Technology
- Computer Science & Forensics
- Software Engineering & Web Development

Transportation Majors

- Automotive Collision Technology
- Automotive Technology
- Commercial Truck & Equipment Technology
- Power Equipment Technology

STEM Innovation Majors

- Engineering Technologies & Design
- Precision Machining Technology

Construction Majors

- Construction Trades
- Heating, Ventilation and Air Conditioning (HVAC)

Health Science Majors

- Animal Management & Care
- Criminal Justice
- Diversified Medical Technologies
- Optical Technology
- Public Safety
- Sports Medicine & Exercise Science

Education and Service Majors

- Chef & Restaurant Management
- Cosmetology
- Early Childhood Education
- Teacher Education Academy

Non Recruitment Programming – (by associate school referral) – Career & Community Experience, Career Exploration Program, and Career Training Program.

ACADEMIC OFFERINGS

In addition to the technical programs offered at the Career Center, the following academic credits are available in each Career Major:

ENGLISH

English III (1 Credit); English IV (1 Credit); English III+ for the Advanced Student (1 Credit); English IV+ for the Advanced Student (1 Credit); Deadline/Journalism (.5 Credit); Speech (.5 Credit); English: Books to the Big Screen (.5 Credit)

MATHEMATICS

Algebra II (1 Credit); Academic Algebra II (1 Credit) (college credit available); Functions, Statistics & Trigonometry (1 Credit); Pre-Calculus (1 Credit); Calculus (1 Credit); AP Statistics (1 Credit); AP Calculus (1 Credit); Math Analysis (1 Credit)

SCIENCE

Environmental Science (1 Credit); Science of Environmental Sustainability (1 Credit); Physics (1 Credit); Physics II (1 Credit); AP Physics (1 Credit); Chemistry (1 Credit); AP Chemistry (1 Credit); Physics of Digital Electronics (1 Credit); Academic Anatomy and Physiology (1 Credit); Health Biochemistry (.5 Credit)

SOCIAL STUDIES

American Government (.5 Credit) College Credit Plus; American National Government (.5 American Government Credit) (3 hours Political Science College Credit); Economics (.5 Credit); Psychology (.5 Credit); American Sociology (.5 Credit); Comprehensive Government (1 Credit)

ELECTIVES

Personal & Professional Financial Planning (.5 Credit); Transitions: College and Career (.5 Credit); Spanish I, II, III, IV, V, Advanced Spanish (1 Credit)

*Course offerings are subject to change based on enrollment and course availability.

MCCC students can earn college credit for Ohio public colleges and universities by completing a designated Medina County Career Center Program. Through the Ohio Transfer To Degree guarantee program, students who finish an approved program and earn industry certification are eligible for college credit.

For detailed program information and course descriptions, contact the Admissions Office for a course catalog. Chris Kalina, Coordinator of Enrollment Services (330) 725-8461 or 1-866-896-MCCC (6222) CKalina@mcjvs.edu

Both the Ohio Department of Education and the National Collegiate Athletic Association (NCAA) approved Medina County Career Center technical and academic courses for athletic eligibility status.

COLLEGE CREDIT PLUS

Through a partnership with Lorain Community College, the Medina County Career Center is able to offer the following on-site College Credit Plus courses:

ENGL 161 College Composition I
ENGL 162 College Composition II
ENGL 255G Introduction to Fiction
ENGL 257G Introduction to Poetry
PLSC 156 American National Government
ALHN 110 Medical Terminology

Note: Classes are available based on enrollment requests. Students must meet the deadlines and requirements for College Credit Plus to be eligible for these classes. Course offerings are subject to change based on enrollment and course availability.