

# ROCKY RIVER HIGH SCHOOL



## COURSE CATALOG 2018-2019



# **ROCKY RIVER CITY SCHOOL DISTRICT MISSION**

## **Rocky River Schools:**

Globally Competitive • Exceptional Opportunities • Caring Environment • Successful Students

## **We Believe:**

- Students are the heart of our purpose.
- Student success requires a partnership among family, school and community.
- A Rocky River education empowers values, inspires curiosity and encourages talents that lead to success.
- High expectations lead to high achievement.
- Lifelong learners thrive as they embrace the changing global society.

## **Board of Education**

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Mrs. Kathleen Goepfert  
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Mrs. Addie Olander

## **District Administration**

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Ms. Elizabeth Anderson, Assistant Superintendent  
Mr. Samuel Gifford, Executive Director of Human Resources & Support Services  
Dr. Dianna R. Foley, Executive Director of Communications & Technology  
Ms. Jennifer Norman, Executive Director of Pupil Services

## **Rocky River High School**

Mr. Rob Winton, Principal  
Mr. Heath Horton, Assistant Principal (A-K)  
Mr. Brian Gergely, Assistant Principal (L-Z)  
Mr. Mark Wagner, Director of Athletics & Activities

## **Counseling Staff**

Mr. Jeffrey Petrusis (A-G)  
Mrs. Erin Pontikos (H-N)  
Ms. Candace McMahon (O-Z)

### **BOARD POLICY 2230**

The philosophy of the Board of Education emphasizes that the professional staff will make recommendations as set forth in Guideline 211A for specific course selections for a student. Parent and student involvement is also an integral part of the course selection process. After the input of the professional staff is considered and the course expectations are explained, the parent and student have the final determination as to what the placements will be. During the school year course expectations will not be lowered except for students with disabilities as required by applicable rules and regulations. Appropriate instructional assistance will be provided in a personalized learning environment to help all students in meeting course expectations.

## TABLE OF CONTENTS

Rocky River School District’s Mission Statement.....	1
Graduation Requirements and Diplomas.....	3
AP Capstone Diploma.....	8
Athletic and Interscholastic Co-Curricular Eligibility.....	10
High School Grading Policy.....	11
Honor Rolls.....	15
Schedule Changes.....	16
Advanced Placement.....	17
College Credit Plus.....	18
Course Credit from Other Schools.....	20
Distance Learning.....	20
Credit Flexibility.....	21
Four-Year Plan for High School Program.....	24
Course Offerings.....	25-83

### Course Offerings at Rocky River High School by Department/Subject Area

Art.....	25
Business.....	29
Computer Education/Technology.....	31
English.....	34
Family and Consumer Sciences.....	41
Health and Fitness Education.....	43
Learning Resource Services.....	46
Mathematics.....	56
Music.....	63
Science.....	67
Social Studies.....	73
World Languages.....	77
Additional Electives.....	84
West Shore Career and Technical District .....	86

**Online course catalog available at [www.rrcs.org](http://www.rrcs.org)>Rocky River High School>Academics**

Resolution #41-18

# **HIGH SCHOOL GRADUATION REQUIREMENTS**

## **REQUIRED COURSES AT ROCKY RIVER HIGH SCHOOL**

<b>Course</b>	<b>Credit</b>	<b>Requirement</b>
English	4	English 9, 10, 11, 12
Mathematics	4	Must include Algebra II
Science	3	See Requirements Below
Health & Fitness Education	1	Health (1 semester) Fitness (2 semesters) Must include Fitness 101 and one (1) additional Fitness elective
Social Studies	3.5	World History, US History, US Government, Economics/Personal Finance (1semester)/or AP Macroeconomics
Required Electives	1	Fine Arts (Visual and/or Music)
Additional Electives	4.5	From any department
<b>TOTAL CREDITS</b>	<b>21</b>	

## **ADDITIONAL GRADUATION REQUIREMENT NOTES**

**Note:** Science credits must include 1 credit of physical sciences, 1 credit of life sciences and 1 credit of advanced study in one more of the following sciences: chemistry, physics, advanced biology, life science, earth or space science.

**Note:** All students must receive instruction in economics and financial literacy during grades 10-12 and must complete at least two semesters of fine arts any time in grades 7-12. Students following a career-technical pathway are exempted from the fine arts requirement.

**Note:** Rocky River High School courses taught at Rocky River Middle School by a secondary certified teacher are considered High School credit.

**Note:** Students must schedule a minimum of five classes each semester, excluding Physical Education, Poms/Flags, Chorale, Freshman Mentoring Program and Study Hall.

## **HIGH SCHOOL DIPLOMA REQUIREMENTS**

Students may earn one of four diplomas, a regular diploma, diploma with honors, career technical diploma with honors, or an Advanced Placement Capstone Diploma. The criteria for each are outlined below. Diplomas will be awarded under the following guidelines:

### **Regular Diploma:**

- Successful completion of 21 units of credit and other requirements as set forth by the Ohio Revised Code and the Rocky River Board of Education, which includes passage of all facets of state-mandated testing.
- Specific end of course exams as determined by The Ohio Department of Education – refer to page 9.
- **Note:** The privilege to participate in the commencement ceremony is extended only to those students who have successfully met all requirements mandated for graduation.

### **Ohio Department of Education Diploma with Honors:**

For guidance on the specifics with each Honors Diploma please visit <http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas>

Honors Diplomas Include the following:

1. Academic Honors Diploma
2. Arts Honors Diploma
3. Career-Technical Honors Diploma
4. International Baccalaureate Honors Diploma
5. Social Science and Civil Engagement Honors Diploma
6. STEM Honors Diploma

<b>ACADEMIC HONORS DIPLOMA</b>	
<i>Students must meet all but one of the below criteria along with RRCS and ODE general graduation requirements</i>	
Math	4 units
Science	4 units, including 2 units of advanced science
Social Studies	4 units
World Languages	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	1 unit
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: 27 or higher/SAT: 1280 or higher

<b>ARTS HONORS DIPLOMA</b>	
<i>Students must meet all but one of the below criteria along with RRCS and ODE general graduation requirements</i>	
Math	4 units
Science	3 units, including 1 unit of advanced science
Social Studies	3 units
World Languages	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	4 units
Electives	2 units with a focus in fine arts
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: 27 or higher/SAT: 1280 or higher
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus

### **CAREER-TECH HONORS DIPLOMA**

*Students must meet all but one of the below criteria along with RRCS and ODE general graduation requirements*

Math	4 units
Science	4 units, including 2 units of advanced science
Social Studies	4 units
World Languages	2 units of one world language
Electives	4 units of career-technical courses
GPA	3.5 on a 4.0 scale
ACT/SAT/WorkKeys	ACT: 27 or higher/SAT: 1280 or higher/WorkKeys: 6 or higher on Reading for Information and 6 or higher on Applied Mathematics
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.
Additional Assessments	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

### **INTERNATIONAL BACCALAUREATE HONORS DIPLOMA**

*Students must meet all but one of the below criteria along with RRCS and ODE general graduation requirements*

Math	4 units
Science	4 units, including biology, chemistry, and at least 1 additional advanced science
Social Studies	4 units
World Languages	4 units, with at least 2 units of each of two world languages studied
Fine Arts	1 unit
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: 27 or higher/SAT: 1280 or higher
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus

Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus
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<b>SOCIAL SCIENCE AND CIVIC ENGAGEMENT HONORS DIPLOMA</b>	
<i>Students must meet all but one of the below criteria along with RRCS and ODE general graduation requirements</i>	
Math	4 units
Science	3 units, including 1 unit of advanced science
Social Studies	5 units
World Languages	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	1 unit
Electives	3 units with a focus in social sciences and/or civics
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: 27 or higher/SAT: 1280 or higher
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus



## STEM HONORS DIPLOMA

*Students must meet all but one of the below criteria along with RRCS and ODE general graduation requirements*

Math	5 units
Science	5 units, including 2 units of advanced science
Social Studies	3 units
World Languages	3 units of one world language, or no less than 2 units of each of two world languages studied
Fine Arts	1 unit
Electives	2 units with a focus in STEM
GPA	3.5 on a 4.0 scale
ACT/SAT	ACT: 27 or higher/SAT: 1280 or higher
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus

### **A.P. Capstone Diploma:**

AP Capstone™ is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses — AP Seminar and AP Research — and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. In AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic paper. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate. AP Seminar may also be taken as a stand-alone option.

# **HIGH SCHOOL GRADUATION REQUIREMENTS**

Students have to meet coursework requirements, take state assessments and meet College and Career readiness in one of three ways listed below.

## **1. OHIO'S STATE TESTS:**

Students earn a cumulative passing score of 18 points, using 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 six points across science and social studies.

### **End-of-course exams are:**

- Algebra I and Geometry or Integrated Math I and II
- Biology
- American History and American Government
- English I and English II
- Students studying Advanced Placement (AP) or International Baccalaureate (IB) courses in Biology, American History or American Government may take and substitute test scores for end-of-course state exams to avoid double testing.
- Students also may substitute grades from College Credit Plus courses in these subjects for end-of-course state exams.

## **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 ADMISSION TEST:**

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 the exam free of charge.

## **ATHLETIC AND INTERSCHOLASTIC CO-CURRICULAR ELIGIBILITY**

**(Ohio High School Athletic Association)**

Athletic eligibility is determined officially by referencing grades earned the previous grading period. To be eligible for athletic participation, students must be officially enrolled in school and have received passing grades in a minimum of 5 one-credit courses, or the equivalent, in the preceding grading period.

OHSAA Bylaw, 4-7-3, indicates students may make a choice of a school when advancing from grade 8 to grade 9. A one year period of ineligibility will occur if a transfer is made any time after beginning grade 9.

### **Exceptions are:**

1. If the parents or legal guardian change residence from one public school district to another.
2. If the Superintendents of both districts enter into a written agreement to protect the student's physical and mental well-being.
3. If a school in which the student is enrolled closes.

Eligibility is determined by quarter grades. Semester or end-of-year grades may not be used. The OHSAA guidelines state an ineligible student cannot regain eligibility by attending summer school classes. Changes in athletic eligibility become effective the 5<sup>th</sup> school day following the end of any grading period.

## **NCAA ATHLETICS**

Student athletes who want to compete in Division I or Division II NCAA Athletics must meet the NCAA Initial Eligibility Standards. These standards can be viewed at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

## **HIGH SCHOOL GRADING POLICY**

Grades are quantitative statements reflecting instructor assessment of student performance. Grades represent the degree of mastery in the prescribed curriculum for a given content area or course at a given point in time in a student's educational development. Measurement of a student's performance provides a mean for educators to communicate with students and parents. Grades reflect academic achievement, not necessarily ability. Assessment is a daily function so feedback, both written and verbal, is constant. Components include authentic assessments, tests, class work, homework, and class participation. Teachers will follow additional guidelines in courses of study when determining grades. Grades are interpreted as follows:

### **GRADES IN GPA**

A+  
A, A-, B+  
B, B-, C+  
C, C-, D+  
D, D-  
F

### **GRADES IN COLLEGE CREDIT PLUS CLASSES**

Per Ohio law, grades for CCP classes must match the issuing college's grading scale

A  
B  
C  
D  
F

### **GRADES NOT IN GPA**

I=Incomplete  
P=Passed  
EX=Excused  
WP=Withdraw Passing  
WF = Withdrawn Failing

In accordance with the Rocky River High School Grading Scale, a student will receive a letter grade and corresponding quality point value for each course based on the percentage earned at the end of each grading period. A non-cumulative GPA based on quality point values is calculated quarterly.

## Rocky River High School Grading Scale

<u>% Range</u>	<u>Grade</u>	<u>Quality Point Value</u>	<u>Quality Point Value Honors/Advanced Placement</u>
100-98	A+	4.0	5.0
97-93	A	4.0	5.0
92-90	A-	3.7	4.7
89-87	B+	3.3	4.3
86-83	B	3.0	4.0
82-80	B-	2.7	3.7
79-77	C+	2.3	3.3
76-73	C	2.0	3.0
72-70	C-	1.7	2.7
69-67	D+	1.3	1.3
66-63	D	1.0	1.0
62-60	D-	0.7	0.7
59-0	F	0.0	0.0

A revised cumulative GPA is calculated at the end of each school year using the actual credit awarded and the final course letter grade earned. All final grades are maintained on the student's transcript.

**Rocky River High School Grading Scale for Class of 2020 and Beyond**

<b>% Range</b>	<b>Grade</b>	<b>Quality Point Value</b>		
		<b>Academic</b>	<b>Honors</b>	<b>Advanced Placement &amp; CCP</b>
100-98	A+	4.0	4.5	5.0
97-93	A	4.0	4.5	5.0
92-90	A-	3.7	4.2	4.7
89-87	B+	3.3	3.8	4.3
86-83	B	3.0	3.5	4.0
82-80	B-	2.7	3.2	3.7
79-77	C+	2.3	2.8	3.3
76-73	C	2.0	2.5	3.0
72-70	C-	1.7	2.2	2.7
69-67	D+	1.3	1.3	1.3
66-63	D	1.0	1.0	1.0
62-60	D-	0.7	0.7	0.7
59-0	F	0.0	0.0	0.0

A revised cumulative GPA is calculated at the end of each school year using the actual credit awarded and the final course letter grade earned. All final grades are maintained on the student's transcript.

## **Student Attainment of Course Credit**

### **Year Long & Semester Courses: All courses at RRHS are broken down into semesters**

To earn credit in a yearlong course, the student will fulfill all of the following criteria:

1. Pass a minimum of two of the three grading “opportunities” each semester. In the first semester, those opportunities are the first quarter, second quarter, and midterm examination. Second semester opportunities are third quarter, fourth quarter, and final examination.
2. For semester classes only: Pass a minimum of two of the three grading opportunities, which are, quarter one, quarter two and the midterm examination.
3. Maintain compliance with the Board approved Attendance Policy (i.e. students exceeding 26 absences may be removed from a course with a ‘Withdraw Failing’ added to their transcript).

*Students not meeting criteria needed to pass a yearlong class may be required to meet with parents, administrator, counselor, and subject area teacher to determine the appropriate course of action for earning credit. Final decisions and determinations are made by the principal.*

### **Summer School Courses:**

Students must obtain approval from their counselor or high school principal prior to registration for summer school to receive credit for summer school courses. Weighted grades will not be given for summer school coursework, unless a student takes a College Credit Plus course that is also offered at RRHS during the academic year.

## **HONOR ROLLS**

Students may be named to one of three honor rolls for each grading period: High Honors, Honors and Merit Roll.

### **High Honors:**

- Grade Point Average (GPA) of 3.75 or higher, quarter grade C- or better and no incomplete grades.

### **Honors:**

- Grade Point Average (GPA) of at least 3.50 but less than 3.75, quarter grade C- or better and no incomplete grades.

### **Merit Roll:**

- Grade Point Average (GPA) of at least 3.00 but less than 3.50, quarter grade C- or better and no incomplete grades.

*A student may be added to the honor roll upon fulfilling incomplete grade requirements.*



## **SCHEDULE CHANGES**

Once course selections are made, schedule changes are discouraged. In some instances, however, a legitimate educational reason may exist to suggest or approve a change.

### **Students may add a course:**

- In place of a study hall.
- If the class is not filled.
- If the 'add' takes place during the first 10 days the course meets.
- With approval of the counselor

### **To drop a course a student must:**

1. Obtain a drop form from the counselor.
2. Meet the conditions stated on the drop form, which are:
  - a. Obtain parent signature
  - b. Obtain teacher's signature after returning books
  - c. Obtain counselor's signature

**Note:** If transferring from an Honors/AP course to an academic level course, the student will receive a non-weighted grade.

## **ADVANCED PLACEMENT**

At Rocky River High School, we are excited to maximize students' postsecondary credit opportunities during high school. We do this in two different ways:

1. Articulated credit offerings via our Advanced Placement (AP) program. Articulated credit is not recognized on a student's college transcript until that student subsequently enrolls in a college that is authorized to confer the particular credit.
2. Transcribed credit offerings via our College Credit Plus program. Transcribed credit is recognized on the student's college transcript upon successful completion of the college course. The high school student is enrolled at the college at the time the student is taking the college course.

### **ADVANCED PLACEMENT (AP)**

The College Board provides students the opportunity to pursue college-level studies while in high school and to possibly receive Advanced Placement (AP) credit upon entering college. Rocky River High School offers the following AP courses:

1. Biology
2. Calculus AB
3. Calculus BC
4. Chemistry
5. Computer Science A
6. Computer Science Principles
7. English Literature and Composition
8. French Language and Culture
9. Macroeconomics
10. Music Theory
11. Physics C: Mechanics
12. Spanish Language and Culture
13. Statistics
14. United States Government and Politics
15. United States History
16. AP Seminar
17. AP Research

All AP courses receive a weighted grade (A = 5.0). Students may take the Advanced Placement examination without taking the course; however, this situation is rare. AP tests in other areas are available to selected proficient and prepared students. See your respective counselor, AP Coordinator or the school website for additional information.

AP examinations are administered at Rocky River High School each year in May. Registration for the examinations takes place in February, at which time the exam fee will be collected by the AP Coordinator. A fee reduction is available when a verifiable need exists.

## COLLEGE CREDIT PLUS

### COLLEGE CREDIT PLUS

In order to enroll in College Credit Plus (CC+) courses, a student must:

1. Apply to the college in accordance with the college's established procedures for admission; and
2. Meet the established standards for admission and for course placement of the college/university.

On-site at RRHS, we are proud to partner with Cuyahoga Community College to offer eligible students transcript credit opportunities with Transfer Assurance Guides (TAG) courses. TAG courses are identified foundational/pre-major courses in over 30 majors that are guaranteed to transfer and apply toward that major at any of Ohio's public institutions of higher education. Courses may transfer to private Ohio institutions and out-of-state institutions of higher education. Check with the receiving institution regarding their transfer credit policy.

Cuyahoga Community College—Associate of Arts or Associate of Science | Baccalaureate Transfer Pathways:

Course Number	Course Name	Location	Semester Hours	RRHS Credits	Weighted Grade?	TAG Course?
ENG 1010/1020	College Composition I / II	RRHS	6	2	Yes	Yes
MATH 1530/1580	College Algebra/Pre-Calculus	RRHS	9	2	Yes	Yes
BIO 1040/104L/1060	College Biology: The Cell and DNA/Environment, Ecology, Evolution	RRHS	7	1	Yes	Yes
MATH 1610/1620	Calculus I & Calculus II	RRHS	10	2	Yes	Yes
MATH 2310/2520	Calculus III & Differential Equations	Tri-C	7	2	Yes	Yes
<i>*For a full listing of Tri-C course offerings, please see their course catalog.</i>		Total:	36			

Please visit the websites below to review the following College Credit Plus policies:

- CCP Course Eligibility
  - [https://www.ohiohighered.org/sites/ohiohighered.org/files/uploads/CCP/resources/CCP\\_Course-Eligibility-OnePage-Summary\\_111517.pdf](https://www.ohiohighered.org/sites/ohiohighered.org/files/uploads/CCP/resources/CCP_Course-Eligibility-OnePage-Summary_111517.pdf)
- CCP Underperforming Student Rule
  - [https://www.ohiohighered.org/sites/ohiohighered.org/files/uploads/CCP/resources/CCP\\_Underperforming-OnePage-Summary\\_111517.pdf](https://www.ohiohighered.org/sites/ohiohighered.org/files/uploads/CCP/resources/CCP_Underperforming-OnePage-Summary_111517.pdf)

RRHS students are not limited to taking only the Tri-C CC+ courses offered on-site. Students may also participate in CC+ on-line, or at any other participating institution of higher education. Likewise, students may be concurrently enrolled in, and taking courses from, multiple post-secondary institutions.

For eligible students electing to participate in CC+ off-campus, transportation is not provided by the school district, nor are reimbursement costs for transportation, such as mileage. Transportation and associated costs are the sole responsibility of the student and his or her parent/guardian.

CC+ courses taken from public institutions of higher education are offered to eligible students cost-free. However, earning a grade of an “F” in a CC+ course, or failure to complete the course, other than for reasons generally accepted by the school district, will result in all financial obligations of the course defaulting to the student or his or her parent/guardian.

A student who enrolls in CC+ courses at a nonpublic institution of higher education, and who is not economically disadvantaged, may have to pay course fees and associated costs.

Final grades earned in all CC+ courses will post to the high school transcript and will be included in the calculation of grade point average. Grades for CC+ courses not listed in the chart on page 18 may be weighted only if RRHS offers an equivalent AP course. Per Ohio law, RRHS must follow the issuing college’s grade scale to students who participate. Currently, students taking CC+ courses will be grades on an A-F scale with no pluses or minuses.

In order to participate in this academic opportunity, parents and students must attend a mandatory information meeting regarding enrolling in CC+. Similarly, a student must also participate in a counseling session prior to his or her participation in CC+.

A student or his/her parent must inform the Rocky River High School Counseling Office by April 1<sup>st</sup> of the student’s “intent to participate” in this program during the following school year. This deadline is state mandated.

Please see the following CC+ designated contacts for more information about the program:

Mr. Petrusis (student last names A-G)

Mrs. Pontikos (student last names H-N)

Mrs. McMahon (student last names O-Z)

## **COURSE CREDIT FROM OTHER SCHOOLS**

**Transfer of Credits from Other Schools:** Students transferring to Rocky River from accredited schools during grades 9-12 will have courses/credits recognized on a Rocky River transcript in an appropriate manner. Grading systems and course offerings vary from school to school; the following guidelines will attempt to ensure fair placement for all students relative to graduation.

1. Credits will be accepted at face value provided the system is accredited and consistent with the standards set forth by the State of Ohio. (120 hours = 1.00 credit, 60 hours = .50 credit)
2. All courses, *except religion*, will be accepted for credit provided the sending school granted credit as evidenced by an official school transcript.
3. Grades will be issued according to the grading scale used at the sending school. An exception is relevant for weighted grades, which will only be accepted for courses in which Rocky River offers an honors or AP course. These grades will be assigned the appropriate quality points.
4. Grades for honors/AP courses from a sending school that does not have weighted grades *may* be weighted for GPA purposes at Rocky River High School if deemed appropriate by the School Principal upon transfer.

## **DISTANCE LEARNING**

Rocky River High School is affiliated with NOTA (Northeast Ohio Technology Association). We are part of a consortium of member schools, including Cuyahoga Community College and WVIZ Idea-Stream. As a member of the NOTA consortium of schools, we are able to expand our curriculum offerings. Students enrolled in distance learning coursework will follow the curriculum prescribed by the school and teacher transmitting the lessons and will receive academic credit upon successful completion of the course. A list of specific course offerings is available in the Counseling Office. Students may see their counselor for more specific information.

## **CREDIT FLEXIBILITY**

### **What is Credit Flexibility?**

Credit Flexibility (CF) is a student-driven/student-owned study option that provides customized learning of standards focused on a student's interests and needs. Specifically, CF is a structured learning opportunity that allows students to demonstrate mastery of standards through an approved plan with defined learning standards and goals, planned learning activities, and standards for evaluating student learning coordinated by a qualified educator. CF can:

- Broaden the scope of curricular options available to students,
- Increase the depth of study possible for a particular subject, and
- Allow for the tailoring of learning time by providing acceleration and convenience, resulting in more options for courses during the school day.

According to the Ohio Department of Education,

This education option gives students a way to be in charge of their learning. For some students, they see more value in school (“Why do I have to learn this?”) when they can connect learning with real world situations and future jobs. Credit flexibility is one way to increase a student's interest in school and motivation to learn. The key to this option is that the student drives the request to learn differently as well as the plan to earn the credit.

--ODE webpage <http://education.ohio.gov/Topics/Quality-School-Choice/Credit-Flexibility-Plan>

Developed by the Ohio Credit Flexibility Design Team, Ohio's “Credit Flex” plan shifts focus from evaluating student learning based on “seat time” to assessing students' demonstrated academic and skill level or performance. The plan does not eliminate Carnegie units or “seat time” requirements altogether. Rather, it retains seat time as one option and expands the number of options for earning credit by adding demonstration of subject area competency and structures that support it irrespective of any time requirements.

--Ohio Department of Education. 2009. New Emphasis on Learning

### **Why does Credit Flexibility exist?**

In 2006, the Ohio General Assembly established the Ohio Core Curriculum (Senate Bill 311), which raised expectations for what all Ohio students must know and be able to do to earn a high school diploma. At the same time, Senate Bill 311 directed the State Board of Education to develop a statewide plan for implementing methods for students to earn units of high school credit based on the demonstration of subject area competency. In addition to raising the expectations for graduation, lawmakers provided flexibility to students and educators to successfully meet these higher expectations.

--Ohio Department of Education. 2009. New Emphasis on Learning

The State Board of Education adopted Ohio's Credit Flex plan in March 2009. School districts across Ohio were required to comply with provisions of the plan by the beginning of the 2010-2011 school year.

### **Who is eligible to participate in Credit Flexibility?**

Any student with high school status, including rising freshmen, may write a Credit Flexibility Plan (CFP) and apply for high school credit only to be awarded via CF.

#### **Is Credit Flexibility right for me?**

Students who can agree with the following statements are ready for a CF course:

- When it comes to learning, I am a self-directed person.
- I am the only one responsible for my own learning.
- I am able to manage my study time effectively, and I easily complete assignments on time.
- I am self-disciplined and find it easy to set aside reading and homework time.
- I understand that I must maintain my status as a full-time student at all times during any CF program.
- I understand that Rocky River City School District cannot offer monetary support, supplemental materials or other support, such as hardware or software support for my technology needs, for my CF opportunity.
- I will follow the rules and student code of conduct for the Rocky River City School District while working on this CF opportunity.
- I am willing to follow the recommendations made by the committee approving my CFP, and I will revise my plan according to the specifications of the committee.

I understand that, once approved, this learning experience will be graded, be calculated into my GPA, and become part of my high school transcript.

### **What are my Credit Flexibility options?**

In addition to taking courses during the school day at Rocky River High School, CF allows students to earn course credit by demonstrating mastery of standards in a variety of ways:

- Credit by creating a CFP for an existing RRHS course. This could include, but is not limited to taking a course from an Ohio-approved online provider, field experience, internships and mentorships. As Fitness courses are oftentimes courses students choose to credit flex, the district has created a template that students must use when creating a CFP for Fitness.
- Credit by creating a CFP for a new course. This could include, but is not limited to, taking a course from an Ohio-approved online provider, field experience, internships and mentorships.
- Credit by assessment for an existing RRHS or AP course

### **Is there a limit to the number of courses I can take via Credit Flexibility throughout my time in high school?**

No.

### **Are there deadlines for creating a Credit Flexibility Plan (CFP)?**

Yes. Applications may be made annually, and are due by March for coursework to be completed the following summer and school year. For example, applications submitted by March 1, 2018 will be completed in the summer of 2018, or during the 18-19 school year.

Transfer students may submit approved applications from another district upon enrollment in the Rocky River City School District for committee consideration and approval.

### **Who approves my CFP?**

The Flexible Credit Committee (FCC) approves CFPs. The FCC is comprised of the principal or principal's designee, at least one guidance counselor, and the chairperson of the department from which flexible credit is sought or his/her designee. The FCC will appoint a highly qualified teacher of record, when applicable, for the student's CFP. In cases where the student submitting the CFP application has other legally binding education plans (e.g., IEP, 504, WEP), the case manager for that student shall also be a member of the FCC.

### **If I am interested in Credit Flexibility, what should I do?**

Please follow these steps for creating a CFP:

- Review the CF Guidelines.
- Discuss a possible CFP with your counselor and parents.
- Complete an application. A student must submit a CFP on the District's Application for Credit Flexibility form. Applications are available at [www.rrcs.org](http://www.rrcs.org). From the RRHS and RRMS web pages, the CFP form is located on the side bar in the tab titled "Credit Flex."
- Download related [Academic Learning Standards from the Ohio Department of Education website](#) or [AP course descriptions and standards](#). You will need to demonstrate mastery of each standard your course requires.
- Be prepared to attend a meeting to discuss your proposal or to resubmit is as necessary. A student may be required to provide supporting documentation as determined by the FCC.
- Once the application is approved, you must complete your CFP coursework as approved by the FCC.

### **If I am an athlete, is there anything in particular I need to keep in mind if I participate in Credit Flexibility?**

Yes. Both Ohio High School Athletic Association (OHSAA) and NCAA operate independently from the Ohio Department of Education and each set specific eligibility rules for participation in high school and college sports.

Students wishing to participate in high school athletics must be aware that CF learning experiences will not be factored into their eligibility determination. OHSAA requires that student-athletes must receive passing grades in a minimum of five one-credit courses, or the equivalent, in the immediately preceding grading period in order to be eligible to participate.

Students wishing to pursue Division I or Division II NCAA athletics eligibility are responsible for ensuring that they will meet the appropriate requirements. The NCAA has determined that they will NOT accept Credit Flexibility as an approved core course. We recommend that students continue to enroll in courses posted on the approved NCAA website to ensure eligibility for participation. See your counselor if you have any questions.



# FOUR-YEAR PLAN FOR HIGH SCHOOL PROGRAM

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

FRESHMAN YEAR		SOPHOMORE YEAR	
Semester 1	Semester 2	Semester 1	Semester 2

JUNIOR YEAR		SENIOR YEAR	
Semester 1	Semester 2	Semester 1	Semester 2

# **ROCKY RIVER HIGH SCHOOL COURSE OFFERINGS BY** **DEPARTMENT**

## **ART**

The Visual Arts Department is open to all students who wish to learn art for personal interest or as a potential career. Students may be expected to provide additional supplies.

### **EXPLORATORY ART**

#1621

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$30.00

This introductory class features the exploration of various art media (e.g., acrylic, water color, drawing, etc.). Additionally, students will gain an understanding of the elements of art, principles of design, and various periods of art history. This class is a prerequisite for other art classes.

### **DRAWING**

#1622

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Exploratory Art or Teacher Recommendation  
Fee: \$30.00

This class is for the student who loves to draw. Students will draw and design using pencils, pastels and pen and ink.

## **PAINTING**

#1623

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Exploratory Art or Teacher Recommendation  
Fee: \$30.00

Students will learn to work with several different types of media including acrylic, watercolor, pastels and how to use a variety of painting techniques. Students will learn how to mix, blend and apply paint on a variety of surfaces.

## **SCULPTURE**

#1625

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Exploratory Art  
Fee: \$30.00

This course is an introduction to the principles, history and methods required to create three-dimensional forms. Paper, clay, metal, fabric, wood, plaster and recycled materials are some of the media that may be used as the basis for sculptural designs.

## **CERAMICS 1**

#1626

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$30.00

This course is an introduction to ceramics. Topics will include clay preparation, hand built pottery, surface decoration, glazes and the firing of finished pieces. The studio emphasis will be enriched with content from art history.

## **ADVANCED CERAMICS**

#1627

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Ceramics 1 and/or Teacher Recommendation  
Fee: \$30.00

Advanced Ceramics students will create original works of art that demonstrate creativity, increased complexity and skill and an in-depth understanding of the media and processes. This course will build upon the knowledge and skill learned in previous ceramic courses. More complex and varied methods of hand built and wheel thrown construction will be applied. Students will develop their abilities in hand building, wheel throwing, ceramic sculpture, glazing and surface treatment. This course will include historic as well as contemporary approaches to ceramics. Students will be required to participate in individual and class critiques.

## **ADVANCED ART**

#1641 (Semester 1), #1642 (Semester 2)

Grade Level: 11-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: 4 Semesters of Art with a B average or above and Teacher Recommendation.  
Fee: \$30.00

Advanced Art is a two-semester course for juniors and seniors who want to pursue portfolio development; and for those who may study the visual arts upon entering college. Emphasis is on drawing and painting but there are opportunities for in-depth study in other media. Art appreciation will be offered as appropriate to the media being explored. Trips (field trips and on your own) to art galleries and museums will be required. Students will be required to participate in written and oral art critiques and to complete daily sketchbook assignments.

## **ADVANCED DRAWING AND PAINTING**

#1644

Grade Level: 11-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Successful Completion of Drawing 1 and Painting 1 (B Average or Above)  
Fee: \$30.00

This course focuses on the continuation of two-dimensional designs with emphasis on improving drawing and painting techniques and observational skills. Students will create artworks that demonstrate understanding of materials, processes, tools, medias, techniques, composition and available technology. They will use the elements of art and the principles of design to communicate their ideas in a variety of visual forms. Students will be required to participate in art critiques and to complete sketchbook assignments.

## **DIGITAL PHOTOGRAPHY**

#1611

Grade Level: 12

Credit: .50

Length: 1 Semester

Prerequisites: None

Fee: \$5.00

Digital Imaging/Photography is an introduction to creating and working with a digital camera, photographic illustration, and the digital photographic image. Students will learn various digital processes, software, and technology. Students will learn digital art production techniques such as: digital image capture, output and competent use of the imaging industry's standard program Adobe Photoshop and Illustrator.

## **BUSINESS**

Rocky River's Business Education Program is dedicated to helping students develop a comprehension of and an appreciation for, our American business system and the economic setting in which it functions.

### **ENTREPRENEURIAL VENTURES**

#1420

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Entrepreneurial Ventures provides students with the skills and knowledge to create value within society by utilizing their own creativity. This course introduces entrepreneurship topics and principles in a fun and authentic learning environment. Students will watch their skills develop as they work with area business professionals to create their own student led company. Students will go through each stage of business development including capitalization, market planning, product development, leadership structuring, selling, financial reporting, and liquidation. Due to the competitive nature of business, students in this course will also be given the opportunity to create and pitch their own business plans and ideas to mock venture capital investors. Students will also have the opportunity to compete in local, regional, and national competitions.

### **ORGANIZATIONAL LEADERSHIP**

#1421

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Organizational Leadership enables students to realize that certain key elements are necessary for a business to sustain long-term superior performance or strategic competitive advantage in a global marketplace. The course foundation will focus on a multitude of business management concepts including leadership techniques, organizing business functions, analyzing financial statements, examining the role of ethics, building an effective company culture, and learning new ways to develop employees. Students will also gain experience working in diverse teams with our unique partnership with another local high school in the area. Students will attend industry professional presentations covering topics that include networking, problem solving, communication, and business etiquette techniques. This class prepares students for future leadership.

## **BRAND DEVELOPMENT**

#1422

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Brand Development is more than just your typical marketing class. In this unique course, students will explore the new field of “Neuroscience” and uncover the power of psychological persuasion as an important piece in building a valuable brand. This course will unveil the hidden needs and thoughts of customers through market research and teach students how to build relationships with customers. It will explore the external factors that affect businesses every day including the economy and recent legislation. Students will learn about the marketing mix including product development, pricing, distribution strategies, and promotional techniques. This course also adds a unique element to the learning experience. Students will work directly with a local small business owner in developing a marketing plan specifically catered towards the needs of the business. If you are looking to develop your creativity in a business related context, this course is for you.

## **WEALTH MANAGEMENT**

#1423

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Wealth Management is designed for students who want to become better informed on financial subjects. In this course, students will learn the fundamentals of decision making, setting financial goals, obtaining income from multiple sources, budgeting, tax implications, credit, and risk management. Students also study wealth management from the corporate viewpoint. Students will analyze the basics of financial documents including balance sheets, income statements, cash flow statements, and financial ratios to enable students to see the financial viability for potential investments. Students in this course will be given the opportunity to apply their understanding of investing through a virtual stock market challenge competition. As an added benefit, all students leaving this course will walk away with a Wealth Management Portfolio.

## **COMPUTER EDUCATION/TECHNOLOGY**

Technology use and integration are vital components to college and career readiness. Designed with this in mind, Rocky River's Computer Science classes provide students with a dynamic, hands-on environment, and engages them in the critical skills identified by the International Society for Technology in Education (ISTE): Creativity and Innovation, Communication and Collaboration, Research and Information, Critical Thinking, Technology Operations, and Digital Citizenship.

### **GRAPHIC DESIGN**

#1197

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$5.00

With a focus on ISTE's critical technology skills, this course examines computer graphics via Adobe Creative Suite software (Photoshop, Illustrator, and InDesign). Students create and maintain an electronic portfolio throughout the semester that will be used to demonstrate progress during the course. Students will create electronic art for display at the district art show, and will also fulfill requests for community projects as they arise. This class is appropriate for all students interested in learning more about computer-based design.

### **DIGITAL – AGE THINKING**

#1196

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$5.00

This course explores a wide range of topics in computer science, and lays the foundation for subsequent courses in the department. Designed to focus on conceptual ideas of computing and help students understand when it is appropriate to use certain tools or languages, this course engages students in a variety of activities aimed at improving their analytical skills and their understanding of the digital world. Students will engage in projects focused on human-computer interaction, applying the problem solving method, and introductory explorations of web design, animations, robotics, programming, or other emerging technologies.



## **WEB DEVELOPMENT & DESIGN**

#1210

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$5.00

This course provides a hands-on introduction to developing and designing websites. Students will learn proper HTML coding techniques to lay the foundation of their websites. Cascading Style Sheets (CSS) will be used to convert a plain text website to one that is visually appealing. Students will compose their own content, as well as create graphics, banners, and animations to use on their websites. In addition to learning HTML and CSS, students will be introduced to web development tools such as Dreamweaver, Photoshop, and JavaScript. Students will create and maintain an electronic portfolio throughout the course to demonstrate progress and growth during the semester.

## **ADVANCED PROGRAMMING**

#1192

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Digital-Age Thinking or Digital Animation & Robotics and Instructor Approval  
Fee: \$5.00

Students will learn advanced computational thinking, abstraction, and programming using the Java programming environment. This class is meant for the student who is interested in programming as a college major/career. Students should be highly motivated and have excellent mathematical and problem solving skills.

## **AP COMPUTER SCIENCE A**

#1193

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Advanced Programming or Instructor Approval  
Fee: \$5.00

Designed to prepare students for the AP Computer Science exam, this course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It includes the study of data structures, design, and abstraction. Students will also complete the Grid World case study in Java.

## **AP COMPUTER SCIENCE PRINCIPLES**

#1191

Grade Level: 10-12

Credit: 1.00

Length: 1 Year

Prerequisites: Teacher Recommendation

Fee: \$5.00

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career.

## **ENGLISH**

English courses are core to the education of every student and concentrate on communication skills: reading, writing, listening, and speaking. Students are required to take four, full-year courses designed to reinforce previous skills and progressively introduce new skills to move students forward through a clearly defined, articulated program. The goal of this program is to help students reach their highest potential of performance in reading, composition, analysis and speaking.

NOTE: In addition to the cost of the vocabulary series, students may be encouraged to purchase supplemental materials (e.g. workbooks and paperback books).

### **ENGLISH 9**

#1011

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

English 9 includes the study of grammar and composition, literary nonfiction poetry, selected novels, short stories, drama, public speaking, and vocabulary. In addition to the completion of at least one fully documented, MLA-style research paper, research skills will be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading is required. English 1 End of Course Exam is required.

### **HONORS ENGLISH 9**

#1012

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Requirements: English 8 Honors (B average or above)  
Fee: None

The nature of study requires students to be proficient in reading, writing, and critical reasoning skills. Students will be required to develop higher-level writing skills and enhance their style and voice through application of grammar and vocabulary lessons. Students will also enhance their verbal skills through class discussions and formal presentations and will develop their research skills by completing independent readings and literary projects. In addition to the completion of at least one fully documented, MLA-style literary research paper, research skills will be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading and writing are required. English 1 End of Course Exam is required.

## **ENGLISH 10**

#1014

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Prerequisites: English 9  
Fee: None

English 10 is required of all sophomores except those enrolled in English 10 Honors. Literary materials are organized around the studies of short stories, poetry, drama, and the novel; concurrent units will address grammar usage, vocabulary, spelling, and mechanics - lessons which students will apply to a variety of writing assignments. In addition to the completion of at least one fully documented, MLA-style research paper, research skills will be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading is required. English 2 End of Course Exam is required.

## **HONORS ENGLISH 10**

#1015

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Requirements: English 9 Honors (B average or above)  
Fee: None

Students who select Honors English 10 should have strong verbal ability, competency with intensive individualized reading of higher-level texts, strong expository writing skills, originality in creative writing, and eager interest and involvement in class discussions. Students will read 5-6 major classical works of both literature and literary nonfiction selected from great American and European writers and thinkers. In addition, a wide and varied collection of shorter fiction, literary nonfiction, and poetry will be included to supplement and enrich the discussion of the major works as well. The majority of writing assignments will be based on these readings. Other composition skills emphasized include thesis development, organizational techniques, thematic structure, incorporation of new higher-level vocabulary, and a dynamic knowledge of grammar. A documented MLA-style research paper based on an additional, independently read title is required. In addition, research skills will be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading and writing are required. English 2 End of Course Exam is required.

## **ENGLISH 11**

#1017

Grade Level: 11  
Credit: 1.00  
Length: 1 Year  
Prerequisites: English 10  
Fee: None

English 11 is required for all juniors except those in English 11 Honors. The course, a study of American literary nonfiction, examines the founding, growth, and changes in the American culture and the literary heritage it has produced; students will be challenged to think seriously about their culture and heritage and to effectively articulate their ideas both verbally and in writing. Students will also become more effective writers through application of grammar skills, complex syntax, and higher-level vocabulary. By studying the works of notable American authors and thinkers, students will consider the language, characters, action and theme of the particular work, and evaluate its relationship both to contemporary times as well as to the era in which it was written. In addition to the completion of at least one fully documented, MLA-style research paper, research skills will be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading and writing are required.

## **HONORS ENGLISH 11**

#1018

Grade Level: 11  
Credit: 1.00  
Length: 1 Year  
Requirements: English 10 Honors (B average or above)  
Fee: None

English 11 Honors is built upon the foundation established in English 9 Honors and English 10 Honors and prepares students for AP English Literature and Composition. A strong work ethic and proficient level of reading and writing skills are essential requirements to be successful in this course. A chronological analysis of American literature and literary nonfiction serves as the means by which students gain an appreciation for our nation's literary heritage while becoming sophisticated in the critical examination of its subtleties and nuances. While the course's assigned writings build on the lessons of previous years, clarity, precision, depth, organization, and logic are stressed when analyzing literature through the writing process. A documented literary MLA-style research paper on an independently read title is a course requirement. Research skills will also be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading and writing are required.

## **ENGLISH 12**

#1020

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: English 11  
Fee: None

Literature for this course consists of modern or classical drama, novels, poetry, short stories, literary nonfiction and essays from different nations and cultures. Some of the readings function as a basis for developing skills in expository writing and effective language skills. The course reinforces the elements of vocabulary, grammar, composition, literature, and logic which are all to be applied in a fully documented MLA-style required research paper. Research skills will also be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading and writing are required.

## **ENGLISH 1010 AND 1020/COLLEGE PARTNERSHIP**

#1024

Grade Level: 12  
Credit: 2.00  
Length: 1 Year (1010 is 1 semester; 1020 is one semester)  
Requirement: Acceptance to Tri-C as a PSEO student; Cumulative GPA 3.0 and a Cumulative 3.0 in English;  
College Placement Test  
Fee: None

This course includes all components of English 12 (e.g., summer reading, vocabulary, grammar study, and a speech). In addition, during the first semester the student will write several 1,000-word essays that include the following: analyzing a text through the lens of a theory or concept, synthesizing multiple readings, and using literary craft and theory to interpret short pieces of literature. Activities in the second semester include writing a text analysis, an argumentative research paper, and a literary analysis of a novel. Other than the purchase of the vocabulary series, a specific fee is not charged, but there will be costs involved for the purchase of necessary supplemental materials. Students earn three college credits per semester.

## **AP ENGLISH LITERATURE AND COMPOSITION**

#1021

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Requirements: English 11 Honors (B average or above)  
Fee: None

The Advanced Placement (AP) English course, the most rigorous literature and writing course Rocky River High School has to offer, is designed around works typically found in the sophomore year of the college curriculum. Through speaking, listening, reading, thinking and writing, students become more aware of the resources of language: connotation, metaphor, syntax, and tone have been manipulated over time to suit author purpose. Writing assignments focus largely on critical analyses of literature - a process that enables learners to write with honest and effective language and to organize ideas in a clear, coherent, and persuasive way. The concentration in reading emphasizes careful, intensive study of representative and challenging works of recognized literary merit from several genres and periods – literary examples which are worthy of scrutiny for their complexity and richness in thought and language. Study includes the structure, the meaning, the values, and the works’ relationships to contemporary experience as well as to the times in which they were written. In addition to the completion of at least one fully documented MLA-style research paper on an independently read text, research skills will be practiced and assessed each quarter through various exercises, presentations, projects, and writing assignments related to the units of study. Supplemental materials may need to be purchased. Summer reading and writing are required.

## **ENGLISH ELECTIVES**

### **BROADCAST JOURNALISM**

#1032

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Students will immerse themselves in all aspects of the production of a news broadcast. In creating the daily morning announcements, students will have the opportunity to see the process of creating each broadcast from start to finish. Students will compile newsworthy items, write out news scripts, work cameras, perform on camera in presenting all of the information, and video edit it all into one finely-tuned broadcast.

Creative elements in the course include the design of special news segments, interviews, recurring short features, and various promotional videos. Experts in various media outlets will, on occasion, address the class as well. Participation outside of class time may be required.

### **JOURNALISM 1 (Yearbook)**

#1035

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: English Teacher Recommendation (based on writing skills and ability to meet deadlines)  
Fee: None

Capture the memories that will live on for years to come. Utilizing the skills acquired from Introduction to Journalism and English classes, students will design and facilitate the creation of the annual high school yearbook. Students will fine-tune their interviewing and photography skills while collecting relevant features from each social and academic year. Technological skills using computer programs such as InDesign and Photoshop will also be explored and mastered. Students must participate in marketing for ad and book sales as part of the financial responsibility for the book's production.



## **JOURNALISM 2 (Newspaper)**

#1036

Grade Level: 10-12

Credit: 1.00

Length: 1 Year

Prerequisites: Introduction to Journalism or Teacher Recommendation

Fee: None

This production course uses skills acquired in both English and Introduction to Journalism and results in the construction of seven issues of the school newspaper, The Pirate Press. Designed to have students go beyond the basic techniques of journalism writing and ethical reporting, student staffers will complete a variety of writing assignments including news writing, feature writing, sports writing, and editorial writing. In accordance with practicing responsible journalism, students will conduct interviews and report on issues relevant to the school and local communities. Students will be responsible for the entire production of the high school newspaper and will apply their technological skills using computer programs such as InDesign and Photoshop. Photography and page layout are both areas that students will explore in this course. Students are expected to sell ads for the publication as well as develop and participate in various fundraisers throughout the year as part of the financial responsibility.

## **FAMILY AND CONSUMER SCIENCES**

The study of family and consumer sciences plays a vital role in helping to develop students who are ready to enter into life activities in a competent and effective way. Family and Consumer Sciences provides appropriate learning experiences for all students who will be taking their place in society.

### **CHILD DEVELOPMENT**

#1728

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$6.00

Child Development is designed to help students learn the responsibilities of raising and nurturing children. The course will focus on learning about children from birth to four years of age. Topics included in this course will be readiness for parenthood, parenting roles and responsibilities, planning a future family, prenatal development, birth, how children grow and learn and building positive parent-child relationships. The course will also explore careers involving the care and education of children. The course will include the planning and operation of a play school designed for three and four year olds.

### **FASHION**

#1726

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$20.00

This course examines a broad range of topics relating to the various aspects in the field of fashion, textiles and design. Students will explore basic color schemes and color theory, principles and elements of fashion design, the history of fashion and influential designers throughout history, principles and elements of design, textiles, fabrics, fiber and finishes as well as career paths in the fashion industry. Students will also learn sewing and embroidery machine basics.

### **INDEPENDENT LIVING**

#1722

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$20.00

Independent Living is designed to help students develop the skills necessary for living independently following graduation. Included in this course will be meal planning and preparation, nutrition and health, money management, finding and furnishing a place to live, selection and maintenance of clothing, career exploration and planning, and

developing and maintaining personal and social relationships. There may be additional costs involved for the purchase of necessary supplemental materials.

**SERVICE LEARNING**

#1725

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: \$10.00

Service Learning is designed to help students explore local and global issues about which they are concerned and discover ways some of these issues may be addressed. Service Learning will provide students with hands-on experience in the real world through student-directed service learning projects that will fill a need in the school and/or the community. Through reflection activities students will be given the opportunity to understand what was learned and experienced and how the community has benefited. Service Learning is dedicated to developing civic responsibility through active community involvement.

## **HEALTH and FITNESS EDUCATION**

Health Education promotes the development of students' understanding of good health practices and healthful living in modern society. Fitness Education promotes the development of students' bodies and minds so they may enjoy physical activities and fitness throughout their lives.

Fitness Education (one full year for .50 credit) and Health (1 semester at .50 credit) are required for graduation. A swimming element must be completed within the fitness education course.

### **AQUATICS AND LIFE GUARD TRAINING**

#1912

Grade Level: 9-12  
Credit: .25  
Length: 1 Semester  
Prerequisites: Swim test  
Fee: TBD

This one-semester course follows the American Red Cross Lifeguard Training Curriculum. The primary purpose of the American Red Cross Lifeguarding course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide professional-level care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel take over. This program offers a choice of Lifeguarding/First Aid/CPR/AED courses to meet the various training needs of a diverse audience.

### **FITNESS 101 (MANDATORY SEMESTER)**

#1915

Grade Level: 9-12  
Credit: .25  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Fitness 101 offers students basic knowledge of skills, rules and sportsmanship needed to perform a variety of competitive and noncompetitive activities. Units include, but are not limited to, swimming, ultimate Frisbee, and weight training. Fitness testing and swimming are components of this class. Swimming expectations include: participation in a water safety unit; endurance treading; and successful demonstration of five (5) different swimming strokes.

## **SWAT (Speed, Weights, Agility and Training)**

#1913

Grade Level: 9-12  
Credit: .25  
Length: 1 Semester  
Prerequisites: None  
Fee: None

SWAT is designed to develop and improve students' overall strength, speed, balance, agility, flexibility and power. Long term results from SWAT include explosive power, functional strength, directional speed and transitional agility. Short term results include speed endurance, work capacity, recoverability and stamina. To fulfill the program goals and objectives, training methods will include, but are not limited to, weight training, plyometrics, and speed and endurance training. SWAT will mold you into a student athlete!

## **PERSONAL FITNESS**

#1914

Grade Level: 9-12  
Credit: .25  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Personal Fitness is for those students who are interested in improving their overall fitness levels. Geared towards individual goal setting and personal progress, this course will facilitate the incorporation of exercise into students' daily life. Activities include high and low impact aerobics, Pilates, core training, kickboxing, circuit training, body sculpting and more. Activities will be individually modified to meet the individual goals students set throughout the course.

## **CLUB SPORTS**

#1916

Grade Level: 9-12  
Credit: .25  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Club Sports offers students the opportunity to participate in a competitive, intramural atmosphere while developing sportsmanship, teamwork and self-discipline. Activities include flag football, basketball, soccer, team handball, and hockey. Units will focus on the concepts of attack and defense through invasion activities.

## **RECREATIONAL ACTIVITIES**

#1917

Grade Level: 9-12  
Credit: .25  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Recreational Activities is designed to help students establish patterns of regular participation in meaningful physical activity. The course promotes an active lifestyle by introducing students to traditional and contemporary sports they will encounter for years to come. Activities include, but are not limited to, golf, badminton, table tennis, volleyball, pickleball, and corn hole.

## **HEALTH EDUCATION**

#1920

Grade Level: 10  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Health Education provides students with information and experiences designed to develop understanding of human growth and development, appropriate health practices, family living, and health responsibilities in order that they apply sound health practices in daily living. Units covered include studies of anatomy and physiology, first aid, and CPR, drug use, disease, and personal health practices. All students are encouraged to take Health in 10<sup>th</sup> grade.

## LEARNING RESOURCE SERVICES

A variety of support services are extended to students needing assistance to succeed in the regular classroom and are available via the Learning Resource Center. Services may include:

- **After School Assistance Program:** Students work on homework/project completion and test preparation in basic classes assisted by a tutor.
- **Academic Intervention:** Assistance to enable students to become independent learners.
- **English Language Learner:** Instruction provided to students whose functional language is one other than English. Major emphasis is placed on oral communication, developing survival language, and usage of standard English
- **Special Education Programs:** Are for identified students via a formal evaluation.

In addition to direct instruction, Learning Resource Services include diagnosing and prescribing activities to meet individual student needs, sharing instructional materials and strategies with classroom teachers, and conferring with teachers, parents, and students. Requests for Learning Resource Services may be initiated by school personnel through the Intervention Assistance Team (IAT) process.

## ENGLISH

### ENGLISH 9

#1930ES

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

English 9 Extended Standards provides a multi-sensory approach to English Language Arts using grade-level content derived from Ohio's New Learning Standards-Extended for ELA. These standards offer a focus for instruction and help ensure that students gain adequate exposure to a range of texts and tasks. Rigor is infused through the requirement that students read increasingly complex texts through the grades. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **ENGLISH 10**

#1931ES

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

English 10 Extended Standards provides a multi-sensory approach to English Language Arts using grade-level content derived from Ohio's New Learning Standards-Extended for ELA. These standards offer a focus for instruction and help ensure that students gain adequate exposure to a range of texts and tasks. Rigor is infused through the requirement that students read increasingly complex texts through the grades. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **ENGLISH 11**

#1932ES

Grade Level: 11  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

English 11 Extended Standards provides a multi-sensory approach to English Language Arts using grade-level content derived from Ohio's New Learning Standards-Extended for ELA. These standards offer a focus for instruction and help ensure that students gain adequate exposure to a range of texts and tasks. Rigor is infused through the requirement that students read increasingly complex texts through the grades. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **ENGLISH 12**

#1933ES

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

English 12 Extended Standards provides a multi-sensory approach to English Language Arts using grade-level content derived from Ohio's New Learning Standards-Extended for ELA. These standards offer a focus for instruction and help ensure that students gain adequate exposure to a range of texts and tasks. Rigor is infused through the requirement that students read increasingly complex texts through the grades. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.



## **WILSON READING**

#1051-1054

Grade Levels: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Teacher Recommendation  
Fee: None

The Wilson Reading Program provides students with the skills to become fluent, independent readers. Based on Orton-Gillingham principles, Wilson is a highly-structured remedial program that directly teaches the structure of the language to students who may require multisensory language instruction. It focuses on phonological awareness, sound recognition, reading fluency, spelling and sight reading.

## **MATHEMATICS**

### **MATHEMATICS 9**

#1935ES

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

Mathematics 9 Extended Standards provides a multi-sensory approach to math using grade-level content derived from Ohio's New Learning Standards-Extended for Math. These standards set grade-specific standards, and define what students should understand and be able to do in their study of mathematics.

### **MATHEMATICS 10**

#1936ES

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Requirements: Eligible through a Special Education IEP  
Fee: None

Mathematics 10 Extended Standards provides a multi-sensory approach to math using grade-level content derived from Ohio's New Learning Standards-Extended for Math. These standards set grade-specific standards, and define what students should understand and be able to do in their study of mathematics.

## **MATHEMATICS 11**

#1937ES

Grade Level: 11  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

Mathematics 11 Extended Standards provides a multi-sensory approach to math using grade-level content derived from Ohio's New Learning Standards-Extended for Math. These standards set grade-specific standards, and define what students should understand and be able to do in their study of mathematics.

## **MATHEMATICS 12**

#1938ES

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

Mathematics 12 Extended Standards provides a multi-sensory approach to math using grade-level content derived from Ohio's New Learning Standards-Extended for Math. These standards set grade-specific standards, and define what students should understand and be able to do in their study of mathematics.

## **MATH INTEGRATIONS**

#1217

Grade Level: 11  
Credit: 1.00  
Length: 1 Year  
Prerequisite: Teacher Recommendation Only  
Fee: None

Math Integrations develops the mathematical processes of linear equations/functions and inequalities, quadratic equations, polynomials, rational expressions, measurement and statistics at the most basic level of understanding.

## **CONSUMER MATH**

#1218

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Prerequisite: Teacher Recommendation Only  
Fee: None

Consumer Math engages students in the following topics: earning money, buying food, managing a household, maintaining and improving life expenses such as a house or car, traveling, making a budget, paying taxes, banking and investing.

## **SCIENCE**

### **PHYSICAL SCIENCE**

#1312ES

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

Physical Science Extended Standards provides a multi-sensory approach to science using grade-level content derived from Ohio's New Learning Standards-Extended for Science. These standards offer a focus for instruction each year and help ensure that students gain adequate exposure to science content standards. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **BIOLOGY**

#1322ES

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

Biology Extended Standards provides a multi-sensory approach to science using grade-level content derived from Ohio's New Learning Standards-Extended for Science. These standards offer a focus for instruction each year and help ensure that students gain adequate exposure to science content standards. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **ENVIRONMENTAL SCIENCE**

#1313ES

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: None

Environmental Science Extended Standards provides a multi-sensory approach to science using grade-level content derived from Ohio's New Learning Standards-Extended for Science. These standards offer a focus for instruction each year and help ensure that students gain adequate exposure to science content standards. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **ADAPTIVE LIVING**

#1748ES

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

Science Elective Extended Standards - This course develops necessary skills for daily functioning. Specific emphasis is placed on self-care, communication, social skills and self-direction, community use, employment/ work, health and safety, home living skills, and leisure skills.

## **SOCIAL STUDIES**

### **WORLD HISTORY**

#1123ES

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

Social Studies Extended Standards provides a multi-sensory approach to social studies using grade-level content derived from Ohio's New Learning Standards-Extended for Social Studies. These standards offer a focus for instruction each year and help ensure that students gain adequate exposure to social studies content standards. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

### **U.S. HISTORY**

#1124ES

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

Social Studies Extended Standards provides a multi-sensory approach to social studies using grade-level content derived from Ohio's New Learning Standards-Extended for Social Studies. These standards offer a focus for instruction each year and help ensure that students gain adequate exposure to social studies content standards. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

### **U.S. GOVERNMENT**

#1125ES

Grade Level: 11  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

Social Studies Extended Standards provides a multi-sensory approach to social studies using grade-level content derived from Ohio's New Learning Standards-Extended for Social Studies. These standards offer a focus for instruction each year and help ensure that students gain adequate exposure to social studies content standards. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **ECONOMICS & PERSONAL FINANCE**

#1130ES

Grade Level: 12  
Credit: 0.50  
Length: 1 Semester  
Requirements: Teacher Recommendation  
Fee: \$10.00

Social Studies Extended Standards provides a multi-sensory approach to social studies using grade-level content derived from Ohio's New Learning Standards-Extended for Social Studies. These standards offer a focus for instruction each year and help ensure that students gain adequate exposure to social studies content standards. Students advancing through the grades are expected to meet each year's grade-specific standards and retain or further develop skills and understandings mastered in preceding grades.

## **TRANSITION 9**

#1760ES

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

The Transition course provides training for the development of skills that supports the student's transition to post school environments, including employment, postsecondary education, independent living and/or community participation.

## **TRANSITION 10**

#1761ES

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

The Transition course provides training for the development of skills that supports the student's transition to post school environments, including employment, postsecondary education, independent living and/or community participation.

### **TRANSITION 11**

#1762ES

Grade Level: 11  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

The Transition course provides training for the development of skills that supports the student's transition to post school environments, including employment, postsecondary education, independent living and/or community participation.

### **TRANSITION 12**

#1763ES

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

The Transition course provides training for the development of skills that supports the student's transition to post school environments, including employment, postsecondary education, independent living and/or community participation.

### **TRANSITION 23**

#1764ES

Grade Level: 23  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

The Transition course provides training for the development of skills that supports the student's transition to post school environments, including employment, postsecondary education, independent living and/or community participation.

## **ELECTIVES**

### **CAREER DEVELOPMENT**

#1745ES

Grade Level: 9-12, 23  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

In this course, students develop assets of being a responsible citizen while learning skills essential for workplace and personal development.

### **HEALTHY LIVING**

#1746ES

Grade Level: 9-12, 23  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

In this course, students develop problem time management, safe food handling practices, and decision making as they relate to work and family goals necessary to sustain meaningful, productive lifestyles.

### **WORK STUDY AND CAREER EXPLORATION**

#1747ES

Grade Level: 9-12, 23  
Credit: 1.00  
Length: 1 Year  
Requirements: Teacher Recommendation  
Fee: \$10.00

In this course, students research career options and assess their personal skills to determine what options may be available for future competitive employment.

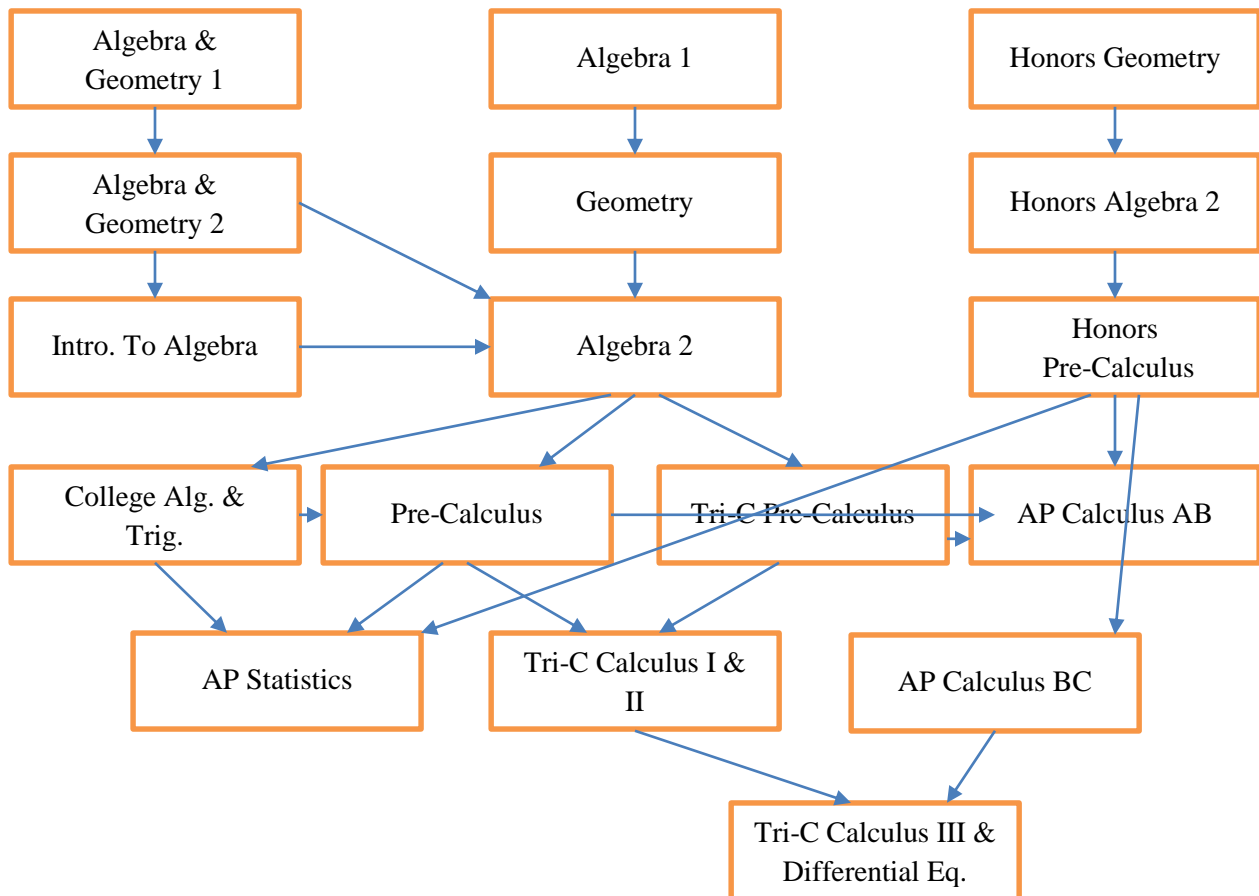


## MATHEMATICS

Most current occupations require more mathematics now than ever before, and future occupations will almost certainly demand thinking and analysis often fostered by the study of mathematics. The mathematics curriculum provides opportunities to master basic mathematical skills, prepare for future study in the field and begin the study of college-level mathematics. Students are recommended for courses that will help them optimize their potential and performance.

**Note:** A student may not enroll in a mathematics course if the content duplicates the content of a previously completed mathematics course. It is recommended a student earn at least a “C” in each college preparatory mathematics course in order to advance through the curriculum.

**Note:** All students enrolled in mathematics coursework are required to own a graphing calculator for school and home use. The suggested model is the TI-84 Plus.



## **ALGEBRA AND GEOMETRY -1**

#1221

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Teacher Recommendation Only  
Fee: None

This is the first course of a four-year sequence. All common core standards for Algebra 1, Geometry and Algebra 2 will be taught over four years. The first year will consist of a semester of Algebra 1 and a semester of Geometry. Summer math packet required.

## **ALGEBRA AND GEOMETRY- 2**

#1222

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Integrated Mathematics 1, Algebra and Geometry-1  
Fee: None

Algebra and Geometry 2 is a continuation of the study of algebra and geometry introduced in Algebra and Geometry-1 and Integrated Mathematics 1. Upon completion of this course, the student will have studied the topics typically taught in a traditional Algebra 1 and Geometry course. The topics include: polynomial functions, coordinate geometry, systems of linear equations, quadratic equations, probability and statistics, and problem solving. The student will continue using a graphing calculator in this course. Summer math packet required. Geometry End of Course Exam is required.

## **INTRODUCTION TO ALGEBRA 2**

#1223

Grade Level: 11  
Credit: 1.00  
Length: 1 year  
Prerequisites: Teacher Recommendation Only  
Fee: None

Introduction to Algebra 2 is the continuation of Introduction to Algebra and Geometry 1 and 2 Series. This course will build on students' Algebra 1 skills while expanding their knowledge and mastery of linear equations, linear inequalities, quadratic equations and exponential equations. Summer math packet required. Algebra End of Course Exam required.

## **ALGEBRA 1**

#1220

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

Algebra 1 provides the foundation for more advanced mathematics. The real-life value of algebra as a problem-solving tool is a major theme stressed throughout the course. Technology is used to investigate algebra by giving concepts visual dimension, and to verify findings. Summer math packet required. Algebra End of Course Exam is required.

## **ALGEBRA 2**

#1225

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Algebra 1  
Fee: None

Algebra 2 is designed to build on the student's background in solving open sentences (both equations and inequalities, one variable and two variables) and simplifying expressions to solve quadratic equations and exponential equations. Functions, complex numbers, arithmetic and geometric progressions are introduced. Summer math packet required.

## **HONORS ALGEBRA 2**

#1230

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Honors Geometry and Teacher Recommendation  
Fee: None

This course features traditional Algebra 2 course content; including: solving open sentences, simplifying expressions to solve quadratic equations, quadratic systems, radical equations, logarithmic equations, and exponential equations. The course emphasizes problem solving and critical thinking skills. Summer math packet required.

## **GEOMETRY**

#1235

Grade Level: 10-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Algebra 1  
Fee: None

This course features a study of points, lines, and planes. Logical thinking is developed by relating lines and points in a plane. Measurements and distance comparisons in lines, planes, angles and triangles are studied utilizing the modern approach based on a set theory. Additional areas of focus include properties of congruent and similar triangles, circles, spheres, and plane coordinate geometry. Summer math packet required. Geometry End of Course Exam is required.

## **HONORS GEOMETRY**

#1240

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Algebra 1 (B- Average or Above) and Teacher Recommendation  
Fee: None

This is an accelerated course for mathematics students. Content includes set theory and measurement and comparison of distances in lines, planes, angles, and triangles. Strong emphasis is placed on problem solving and proofs. Summer math packet required. Geometry End of Course Exam is required.

## **PRE-CALCULUS**

#1261

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Geometry and Algebra 2 (B Average or Above)  
Fee: None

Pre-Calculus presents a unified treatment of advanced algebra, trigonometry, and analytic geometry using modern technology. Polynomial functions, rational functions, and transcendental functions are studied using graphical analysis and more traditional approaches. This course offers an excellent background for those planning to continue the study of mathematics in college. Summer math packet required.

## **HONORS PRE-CALCULUS**

#1250

Grade Level: 11-12

Credit: 1.00

Length: 1 Year

Prerequisites: Honors Algebra 2 (B Average or Above), and Teacher Recommendation

Fee: None

Pre-Calculus Honors is designed to finalize the student's preparation for Calculus. Topics include review and completed study of the elementary function, elements of analytic geometry - plane and space, and an introduction to elementary topics of Calculus. Summer math packet required.

## **AP CALCULUS AB**

#1256

Grade Level: 12

Credit: 1.00

Length: 1 Year

Prerequisites: Pre-Calculus (B Average or Above)/Pre-Calculus Honors (C+ Average or above)/Teacher Rec.

Fee: None

The course is equivalent to a typical first year college Calculus class. Material covered aligns with the Calculus AB Advanced Placement (AP) exam administered in May. Topics include limits, continuity, derivatives and their applications and integrals and their applications. Students are required to complete a summer packet that focuses on properties of functions trigonometry, log and exponential functions: these topics must be thoroughly understood before studying Calculus. Summer math packet required.

## **AP CALCULUS BC**

#1255

Grade Level: 12

Credit: 1.00

Length: 1 Year

Prerequisites: Pre-Calculus Honors (B Average or Above), and Teacher Recommendation

Fee: None

This course is equivalent to the typical first year math and science-based college Calculus class. Material covered aligns with the Calculus BC Advanced Placement exam (AP) administered in May. Topics include limits, continuity, derivatives and their applications, integrals and their applications, infinite series and differential equations. Students are required to complete a summer packet that focuses on properties of functions trigonometry, log and exponential functions: these topics must be thoroughly understood before studying Calculus. Summer math packet required.

## **COLLEGE ALGEBRA WITH TRIGONOMETRY**

#1265

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Algebra 2  
Fee: None

This is a course for students seeking an alternative to Pre-Calculus. Topics include: polynomials, rational, exponential, logarithmic and trigonometric functions, complex numbers, systems of equations and inequalities, mathematical induction, probability and statistics, and analytic geometry. Course material will be studied analytically and graphically. Graphing calculators will be used daily and extensively. Summer math packet required.

## **AP STATISTICS**

#1246

Grade Level: 11 or 12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Pre-Calculus (B- Average or Above)  
Fee: None

AP Statistics is the year-long high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance phenomena. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-83 or 84 graphing calculator. Summer math packet required.

## **MATH 1530 AND 1580/ COLLEGE PARTNERSHIP**

#1262

Grade Level: 11-12  
Credit: 2.00  
Length: 1 Year (1530 is 1 semester; 1580 is 1 semester)  
Prerequisites: Geometry and Algebra 2. Acceptance to Tri-C as a CCP student; Cumulative GPA 3.0 and a Cumulative 3.0 in Mathematics; College Placement Test.  
Fee: None

A course designed for the calculus bound student or a student planning to continue the study of mathematics in college. This course presents a study of advanced algebra topics and analytic geometry along with an exploration of various functions, including polynomial, rational, exponential, logarithmic and trigonometric models. Polar and parametric equations, mathematical induction, and the binomial theorem will be studied as well. These topics will be explored using modern technology and graphical analysis along with the more traditional approaches. This is a dual credit class between Rocky River High School and Cuyahoga Community College. Upon completing course requirements, qualifying students will earn a year-long high school credit for Pre-Calculus and 9 semester hours of credit from Cuyahoga Community College. Summer math packet required.

## **MATH 1610 & 1620 - CALCULUS 1/CALCULUS 2**

#1263

Grade Level: 11-12  
Credit: 2.00  
Length: 1 Year (1610 is 1 semester; 1620 is 1 semester)  
Prerequisites: Pre-Calculus (C Average or Above)  
Fee: None

College Partnership Calculus is the year-long high school equivalent of a one semester, introductory college calculus course. Includes study of Cartesian coordinates, functions and graphs, limits and continuity, differentiation of algebraic and trigonometric functions, applications of the derivative, differentials and anti-derivatives, the definite integral and its applications. Summer math packet required.

## **MATH 2310/2520 – CALCULUS 3/DIFFERENTIAL EQUATIONS**

#1264

Grade Level: 12  
Credit: 2.0  
Length: 1 year (2310 is 1 semester; 2520 is 1 semester)  
Prerequisites: Teacher recommendation  
Fee: None

Calculus 3 and Differential Equations builds upon the previous Calculus 1 and 2 curriculum found in Math 1610 & 1620. Calculus 3 includes vectors, parametric equations, analytic geometry of space, partial differentiation and multiple integrals. Differential Equations includes linear and homogenous differential equations, solution by power series and Laplace transformations.

## **MUSIC: VOCAL AND INSTRUMENTAL**

Music education develops a keen awareness of one's musical environment and an awakening of one's sensibilities to the contribution music makes to the quality of life. Participation in music can be a most cherished experience. The knowledge and skills acquired will be useful, whether music becomes a vocation, an avocation, or a memory.

### **BAND**

#1519

Grade Level: 9-12

Credit: 1.00

Length: 1 Year

Prerequisites: Successful completion of Middle School Band Program and/or private lessons

Fee: Ranges from \$50-\$150 depending on equipment needs

Band is open to all students interested in instrumental music that possess the skills necessary to perform at the high school level. Emphasis is on the performance aspects of music through a varied repertoire of marching and concert band literature. Essentials of good musicianship, good bandsmanship, and development of techniques are stressed. Students who enroll in band music participate in the marching and either the wind ensemble or concert band. Exceptions are made (e.g., medical problems) via committee review. The committee consists of the band director, the director of student activities, and the building principal.

The bands take an extended trip in alternating years (Spring, 2017).

**Marching Band** is a precision marching unit that follows the schedule of all home and away football games. Additionally, there are parades, festivals, and special events. Rehearsals are held daily as a scheduled class, 1 night per week during the season, and approximately 2 weeks before the first performance with a daily "band camp."

**Concert Band** is a large instrumental ensemble performing at concerts and special events. Auditions in this group are for seating only rather than for membership. This ensemble studies music from many different styles and historical periods. Students are required to perform at all school concerts and adjudicated events to complete the requirements of this course.

**Wind Ensemble** is a medium sized instrumental ensemble performing at concerts and special events. Auditions in this group are for membership as well as seating. This ensemble studies music from many different styles and historical periods. Students are required to perform at all school concerts and adjudicated events to complete the requirements of this course. Private lessons are highly recommended for students wishing to audition for the Wind Ensemble, but they do not guarantee acceptance.



## **POMS SQUAD/FLAG CORPS**

#1521

Grade Level: 9-12  
Credit: 0.25  
Prerequisites: Selection through audition  
Fees: \$420 (Summer Camp, Uniform, Equipment, Transportation)  
Annual Summer Camp - \$155  
Annual Uniform Fee - \$25  
Annual Transportation Fee - \$55  
Equipment (boots, gloves, clothing) approx. \$100  
Jacket - \$85

The Pom squad and flag corps are units within the greater whole of the Rocky River High School Marching Band which, in turn, is part of the RRHS music department. The main objective of the course is to gain knowledge in the area of performance. Students will learn what it takes to prepare for and execute a rigorous weekly performance schedule. Enrollment is through an audition process which takes place each spring. A student enrolling in the course will meet each school day during the marching season as well as beyond school hours. Those wishing to audition receive a multi-page packet with guidelines, procedures, associated costs, and estimated time commitment.

## **CONCERT CHOIR**

#1511

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: \$45.00

Concert Choir is a mixed ensemble that meets daily. Membership is open to students in grades 9, 10, 11 or 12 who enjoy singing and working within the structure of a large performing group. This ensemble studies music from many different styles and historical periods, including musical theater and pop literature. Students are required to perform at all school concerts and adjudicated events to complete the requirements of this course.

## **CHORALE**

#1512

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Audition  
Fee: \$45.00

Chorale is a mixed ensemble. Members are chosen on the basis of musicianship, vocal quality, and a desire to achieve high performance standards. Students will study advanced vocal techniques and perform music from all periods with special emphasis being placed on the more difficult choral literature. Members perform at all school concerts and adjudicated events to complete the requirements of this course.

## **TREBLE ENSEMBLE**

#1520

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Audition  
Fee: \$45.00

Treble Ensemble is a soprano/alto ensemble that meets daily. This choir is open to students in grades 9-12 by audition only. Members are chosen on the basis of musicianship, vocal quality, and a desire to achieve high performance standards. Students will study advanced vocal techniques and perform music from all periods with special emphasis being placed on the more difficult choral literature. Members perform at all school concerts and adjudicated events to complete the requirements of this course.

## **MUSIC LISTENING & LITERATURE**

#1516

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

This course is open to all students who wish to study music as a fine art. The ultimate goal of this is to develop understanding listeners who respond fully to music. Such listeners will find their aesthetic sense sharpened and their pleasure in music enhanced. Emphasis will be placed on the varying aspects of musical coherence in a broad variety of repertoires, with attention given to both the large-scale formal design and to the syntax of music phrases and periods. Music from the Medieval Period to art music and jazz of the twentieth century, as well as music history through the study of cultural context.

## **MUSIC TECHNOLOGY**

#1522

Grade Level: 9-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: Basic Knowledge of General Music Concepts  
Fee: None

Students will review basic music concepts and apply them to the creation of musical works. They will study technologies, old and new, used in the creation of music. Students will create musical works using MIDI (Musical Instrument Digital Interface) systems. In addition, students will analyze analog and digital waveforms and learn to interface between the two. Students will also become familiar with historical perspectives of this medium.

## **MUSIC THEORY**

#1515

Grade Level: 10-12 or with Instructor Approval  
Credit: .50  
Length: 1 Semester  
Prerequisites: Basic Foundation in General Music Concepts  
Fee: None

This course is open to all students who wish to study music in depth. The ultimate goal is to develop a student's ability to recognize and understand the basic material and processes in any music that is heard or read in score. Emphasis will be placed on the development of fundamental aural, notational, and performance skills. The course will provide a foundation in intervals, pitch patterns, metric/rhythmic patterns, chords, and the terms that are part of basic understanding of music.

## **AP MUSIC THEORY**

#1517

Grade Level: 10-12  
Credit: 1.0  
Length: 1 Year  
Prerequisites: The ability to read and write standard music notation. It is also strongly recommended that the student will have acquired at least general performance skills in voice or on an instrument.  
Fee: None

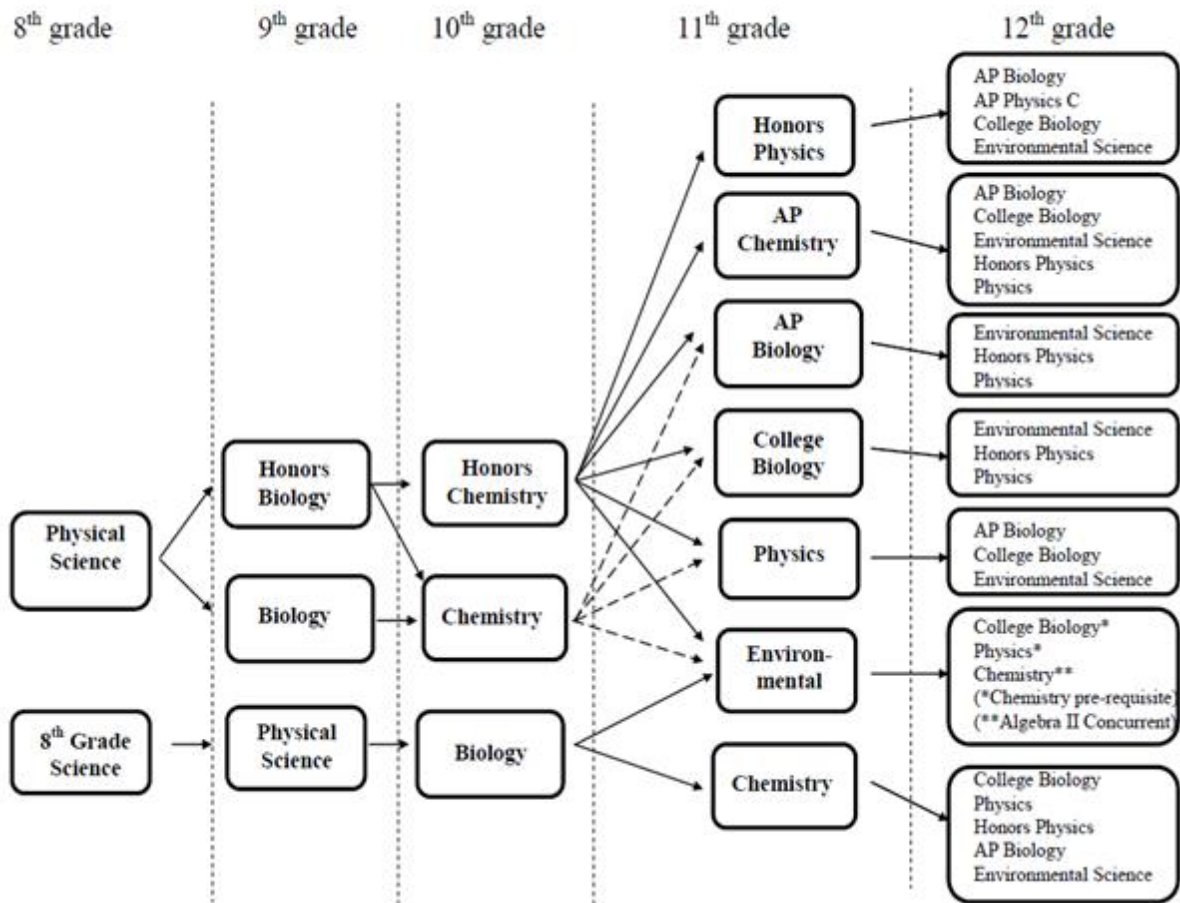
The AP Music theory course is meant to be equivalent to first-year college courses in music theory. The course provides students with the opportunity to develop, practice, and master skills essential to success on the AP exam and in post-secondary music theory course work.

The course integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style. Students will be asked to demonstrate skills in dictation, critical listening, sight-singing, and basic keyboarding.

## SCIENCE

Science courses deal with the study of truths, processes, and attitudes. They stress scientific attitudes, including the idea that man's concept of scientific truth is relative. That is to say, man's concept of scientific truth changes as our knowledge of reality changes. Students are encouraged to select courses that will help them realize their optimum level of performance. Students are encouraged to study as much science as possible, including, if appropriate, taking more than one course simultaneously.

### Recommended Course Sequences for Rocky River High School Science Students



## **PHYSICAL SCIENCE**

#1312

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: \$15.00

Physical science is a laboratory course that provides a foundation in Chemistry and Physics with a continued study of Space Science. Topics include the composition and behavior of matter, the periodic table, nuclear chemistry, energy and waves, electricity, forces and motion, and continued study of astronomy and the Universe while including all state standards of the common core curriculum.

## **ENVIRONMENTAL SCIENCE**

#1313

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Successful Completion of one Life Science and one Physical Science  
Fee: \$15.00

Environmental Science is a course designed for those students who have an interest in the outdoors and the environment. The class investigates the living and nonliving resources that our world contains and then explores how they are affected by human interactions while including the Ohio's revised science standards/common core curriculum. Lab activities and discussions explore these interactions with a focus on how environmental problems can, or cannot, be solved. This course is especially recommended for those students who have limited math ability and are interested in learning more about their world and how it works.

## **BIOLOGY**

#1322

Grade Level: 10-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: \$20.00

Biology is intended for the sophomore student as a laboratory science course. Basic laboratory skills and techniques are taught. The course emphasizes the interpretation of laboratory activities through analysis of data and background from the text. The student is engaged as a scientist to solve problems of a biological nature. The major topics covered follow Ohio's revised science standards/common core curriculum and include Biochemistry, Cellular Biology, Genetics, Evolution, Classification, Botany, Zoology, and Ecology. End of Course Exam is required.

## **HONORS BIOLOGY**

#1323

Grade Level: 9-10  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Algebra 1 Preferred or Concurrent Registration in Algebra 1  
Fee: \$20.00

Honors Biology is a course structured around the unifying themes in biology. It is taught at an accelerated pace, and concepts are explored in greater detail as compared to academic biology. Students will experience inquiry-based labs that will require them to ask relevant scientific questions and gather data in order to analyze information. The topics covered follow Ohio's revised science standards/common core curriculum, and include Cells & Cellular Processes, Heredity, Evolution, Diversity and Interdependence of Life, and Anatomy & Physiology as learned through animal dissection. End of Course Exam is required.

## **AP BIOLOGY**

#1324

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Biology, Chemistry, Algebra 2 or Concurrent Enrollment in Algebra 2  
Fee: \$30.00

This challenging, second-year, laboratory-based course is intended for those students interested in the biology field as a future career and possible college credit. Students will explore, through detailed laboratory and classroom experiences: Biochemistry, Cellular Biology, Genetics, Evolution, Classification, Botany, Zoology, and Ecology. Interested students do have the option of taking the AP Biology Exam to earn college credit. Students taking this course must have a good understanding of chemistry and basic biological concepts. Students taking the AP exam will spend extra time, before or after school, in preparation for the test.

## **BIOLOGY 1040/104L/1060 – COLLEGE BIOLOGY: THE CELL AND DNA/ENVIRONMENT, ECOLOGY AND EVOLUTION**

#1325

Grade Level: 11-12

Credit: 1.00

Length: 1 Year

Requirements: Biology, Chemistry, Cumulative GPA of 3.0 and Cumulative 3.0 in Science; College Placement Test

Note: Students who have successfully completed AP Biology are not eligible for this course.

Fee: \$50.00

**BIO 1040 – The Cell and DNA:** Designed for non-science majors. Considers cell structure, function, and metabolism, cell division, DNA structure and function, Mendelian and molecular genetics. Scientific method and reasoning emphasized.

**BIO 104L – The Cell and DNA Laboratory:** Laboratory course examines scientific method, cell structure and function, cell division, DNA structure and function, and Mendelian and molecular genetics. Includes microscope work, models, role play and various experiments designed to illustrate concepts covered in the lecture course. Lecture 00 hours.

**BIO 1060 – Environment, Ecology, and Evolution:** Designed for non-science majors. Questions about the natural world are explored through an introduction to the principles of evolution and ecology, including how populations change over time and how organisms interact with each other and the environment. Topics include scientific inquiry; nature of science; evolutionary processes; diversity of life; population, community, and ecosystem ecology; human impacts on the environment; environmental stewardship; and regional environmental concerns.

## **CHEMISTRY**

#1332

Grade Level: 11-12

Credit: 1.00

Length: 1 Year

Prerequisites: Concurrent w/Algebra 2, Physical Science, and Biology

Fee: \$25.00

Chemistry is a laboratory course dealing with basic chemistry concepts such as chemical reactions, stoichiometry, gas laws, atomic structure, the periodic table, ionic and covalent bonding, equilibrium, and acid base chemistry. Proficiency with algebra is necessary for managing the course content. Analytical thinking skills and problem solving skills are emphasized while including all state standards in the common core curriculum. This course is recommended for students planning to take physics, college biology, or advanced placement biology.

## **HONORS CHEMISTRY**

#1333

Grade Level: 10-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Physical Science and Biology/concurrent with Algebra II  
Fee: \$30.00

Honors Chemistry is a math-based course covering the same topics presented in the academic level but to a greater depth and at a faster pace. Conceptual understanding is promoted through laboratory investigations which highlight data acquisition and analyses using digital technology. In addition to covering all state standards, the class further prepares students for a second year in AP Chemistry. This course is recommended to students planning to enroll in AP Chemistry, all levels of physics, and AP/College Biology in subsequent years.

## **AP CHEMISTRY**

#1336

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Honors Chemistry and Biology/concurrent with Pre-Calculus  
Fee: \$35.00

AP Chemistry serves as a challenging second year of chemistry which parallels a college level curriculum in terms of its pace and rigor. It is a math-based course that utilizes equations to demonstrate the integration of concepts. Designed to prepare students for success on the AP Chemistry Exam in early May, it also aims to develop the corresponding laboratory skills necessary for students planning to pursue a degree in engineering or medicine. To meet this College Board requirement, two scheduled days of seminar lab time are required. The course also covers all the state standards while emphasizing the topics of quantum mechanics, stoichiometry, kinetics, descriptive chemistry, thermodynamics, chemical bonding and electrochemistry.

## **PHYSICS**

#1342

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Algebra 2/Concurrent Registration in Pre-Calculus Preferred  
Fee: \$15.00

Physics is an algebra and trigonometry-based introduction to the interactions between matter and energy designed for college-bound students. The course emphasizes mathematical reasoning, problem-solving, and laboratory investigations. Topics include all state standards of the common core curriculum – motion and Newtonian mechanics, energy, waves, electricity and magnetism.



## **HONORS PHYSICS**

#1343

Grade Level: 11-12

Credit: 1.0

Length: 1 Year

Prerequisites: Algebra 2/Concurrent Registration in Pre-Calculus (Honors preferred)

Fee: \$15.00

Honors Physics is a rigorous algebra and trigonometry-based introduction to the interactions between matter and energy designed for students with interests in science and engineering. Honors physics is a requirement for students enrolling in AP Physics C. The course emphasizes advanced mathematical reasoning, multi-step problem-solving, and laboratory investigations/data analysis. Topics include all state standards of the common core curriculum (motion and Newtonian mechanics, energy, waves, electricity and magnetism), oscillation, and thermodynamics.

## **AP PHYSICS C**

#1345

Grade Level: 12

Credit: 1.00

Length: 1 Year

Prerequisites: Honors Physics and Honors Pre-Calculus/Concurrent Registration in AP Calculus (BC) preferred

Fee: \$15.00

AP Physics C is a calculus-based, second-year laboratory course designed for students with a sincere interest in science and engineering. Equivalent to a two-semester university sequence, the course prepares students to sit for two AP exams. AP Physics C: Mechanics provide instruction in kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. AP Physics C: Electricity and Magnetism provides instruction in electrostatics; conductors, capacitors and dielectrics; electric circuits; magnetic fields; and electromagnetism.

## **SOCIAL STUDIES**

Social Studies courses deal with the study of people in relation to their social and physical environments. Through the various courses offered students will acquire the knowledge, skills, values, and responsibilities to enable them to become productive and effective members of society.

World History, United States History, United States Government and Economics are required. All other courses are electives. The following courses are available. Careful attention should be given to prerequisites, if applicable.

### **WORLD HISTORY**

#1123

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

This is a requirement for freshmen. This course stresses the following areas of study: the rise of monarchies in Europe, the Enlightenment, Revolutions, Nationalism, Imperialism, the World Wars, and issues facing the world in the post-Cold-War Era. Independent study and supplementary readings are among the many techniques used to vary the student's study of the fascinating story of the rise and fall of great societies.

### **HONORS WORLD HISTORY**

#1120

Grade Level: 9  
Credit: 1.00  
Length: 1 Year  
Prerequisites: 8<sup>th</sup> grade Social Studies and Honors English Teacher Recommendations (B average or above)  
Fee: None

Honors World History is a challenging course designed for students intending to take AP US History in their sophomore year. The scope and sequence for Honors World History is the same as the required World History course. It is the challenge of Honors World History to look for original sources, competing viewpoints and the work of professional historians to attempt to validate the most likely truth. Such analysis requires extensive writing experience as well as reading and memorizing in a fast paced environment. Regular writing assignments, research projects and short analyses prepare the students for this skill.

- *This course should be taken in conjunction with Honors English.*
- *This course is recommended for students planning on taking 10<sup>th</sup> grade A.P. U.S. History.*

## **UNITED STATES HISTORY**

#1124

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

United States History begins with an analysis of the historical documents that shaped our nation's history. From there, students will examine the economic, political, cultural, and social developments after Reconstruction through modern times. Emphasis is on the meaning and values of the democratic way of life. End of Course Exam is required.

## **AP UNITED STATES HISTORY**

#1126

Grade Level: 10  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Teacher Recommendation  
Fee: None

This course is designed to provide students with analytical skills and factual knowledge necessary to think critically about the problems and issues in American History. This course prepares students for intermediate and advanced college-level courses by making demands upon them equivalent to those of full-year introductory college courses. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations present in historical scholarship. An Advanced Placement examination is given in May.

## **UNITED STATES GOVERNMENT**

#1125

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

American Government is a required study of governmental units at the national, state, and local levels. The purpose of the course is to examine why a democratic form of government is best suited to the needs of the American people and to examine its strengths and weaknesses. Continuing interest is focused on how the three levels of government interact and how each can perform best to fulfill all the services the people need. Guest speakers, political figures, and attorneys are an integral part of the course. This experience will provide students with an exposure to the events, which have a major impact on the United States. Student research and participation will be emphasized. A variety of supplemental activities will be used. End of Course Exam is required.

## **AP UNITED STATES GOVERNMENT**

#1129

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Teacher Recommendation  
Fee: None

AP United States Government is a yearlong examination of government in America, from the national to the state to the local levels. This course leads to the Advanced Placement test in May, which is strongly recommended for high achieving students. It offers the most comprehensive study of U.S. Government and politics available in the high school curriculum, including a full look at the operation of the three branches of the federal government, a comparison with other governmental systems, and an investigation of the Constitution (especially through court decisions). Cooperation between national and regional levels is explored, as are the forms and functions of the state systems. In addition, the course examines the ways in which American cities are governed and looks at some of the special problems that face our large metropolitan areas.

## **CONTEMPORARY WORLD ISSUES**

#1127

Grade Level: 11-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: World History  
Fee: None

This course will focus upon major historical trends that have helped shape civilization in the post-World War II era. Course content begins with the forces contributing to the Cold War alliances and concludes with an examination of the process of globalization and the subsequent emergence of worldwide terrorism. While the course is primarily a study in contemporary world history, it incorporates the study of world geography and geopolitics throughout.

## **ECONOMICS AND PERSONAL FINANCE**

#1130

Grade Level: 10-12  
Credit: .50  
Length: 1 Semester  
Prerequisites: None  
Fee: None

Economics is a general overview of our American Economy. Emphasis is placed on the economic problem, structure of the market, demand, supply, how demand and supply interact, stock exchange, market growth, monetary policy and the Federal Reserve System. Financial literacy is an important fundamental that we all need. This course will focus on consumer credit and debt, investments, payroll and taxes, retirement plans, building assets and wealth, and understanding the basics to financial decision making.

## **AP MACROECONOMICS**

#1132

Grade Level: 10-12

Credit: .50

Length: 1 Semester

Prerequisites: Currently taking Pre-Calculus/Honors Algebra 2 or have taken Pre-Calculus

Fee: None

AP Macroeconomics is designed to give students a thorough understanding of the principles of economics that apply to the functions of decision makers, both consumers and producers, within the economic systems. Similarly, it gives the student a complete understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price determination, and also develops one's familiarity with economic performance measures, economic growth, and international economics.

## WORLD LANGUAGES

Language study is an experience that implies progressive acquisition of linguistic skills. Generally, the skills developed in learning a world language may be applied to other areas of study. World language study reinforces English language skills and communication. It also develops an approach to learning a language and illustrates the systematic structure of the language.

Skills to be mastered in each language include listening, speaking, reading and writing. Acquisition of these skills will result in a greater understanding of the concept of language and will lead to competency in the use of world languages. Students will be encouraged to expand and deepen their knowledge of the country or countries in which the world language is spoken by examining people, geography, history, social institutions, literature and culture.

Students should attain a better perspective of our own culture by studying the cultural similarities and differences among nations. Students will also explore career opportunities available to those who have gained proficiency in another language.

**Note:** Students selecting world language will be requested to purchase supplementary materials such as workbooks, newspapers, magazines, and paperbacks.

### FRENCH 1

#1061

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

In this course, students will focus on pronunciation, vocabulary centered around themselves, identity, family, food, and familiar objects from their immediate environment. Conversational exchanges will be formulaic, using memorized phrases in familiar contexts. By the end of the course, students will have emerging mastery of verb conjugations in the present tense, notions of gender agreement, and an understanding of simple sentence structure. Students will continue to acquire cultural competence and learn about cultural products, practices, and perspectives in various Francophone countries. This course is aligned with the Ohio Standards for World Languages and helps students reach the novice-mid proficiency level on the ACTFL Proficiency Guidelines.

## **FRENCH 2**

#1062

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: French 1  
Fee: None

Building from what was learned in French 1, students will expand their ability to communicate from using words to using phrases, and eventually, full sentences. Students will continue to expand vocabulary to include school, routines, personal information, preferences, and needs. Grammar concepts will expand on the present tense and introduce the past tenses. In conversational exchanges, students will be able to respond to simple, direct questions or requests for information. Students will compare Francophone culture with their native culture in a variety of contexts. This course is aligned with the Ohio Standards for World Languages and helps students reach the novice-high proficiency level on the ACTFL Proficiency Guidelines.

## **FRENCH 3**

#1063

Grade Level: 10-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: French 2  
Fee: None

Building on what has been learned in French 2, students in French 3 will start to create with the language, initiate, maintain and bring to close simple conversations by asking and responding to simple questions. Students will also learn to state an opinion and produce stories on topics related to personal interest or study. Emphasis is still placed on the three modes of communication with culture always implicit in their sources as they start to prepare for advanced study. In context, students will explore practices, products, and perspectives of the Francophone culture in different situations, such as describing recreational activities, how to resolve conflicts in relationships, the influence of mass media and problems with the environment. This course is aligned with the Ohio Standards for World Languages and helps students reach the intermediate-low proficiency level on the ACTFL Proficiency Guidelines.

## **FRENCH 4**

#1064

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: French 3  
Fee: None

Building on what has been learned in French 3, students in French 4 will continue creating with the language, initiating, maintaining and bringing to close simple conversations by asking and responding to simple questions. Emphasis is placed on understanding tone and main idea in literary works such as poems or short stories and in films or other forms of authentic multimedia, expressing preferences, concerns, and opinions on a variety of relevant topics, and providing information in various informal and formal presentations. This course is aligned with the Ohio Standards for World Languages and helps students reach the intermediate-mid proficiency level on the ACTFL Proficiency Guidelines.

## **AP FRENCH LANGUAGE**

#1066

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: French 4  
Fee: None

This course follows the guidelines of the College Board® AP French Language and Culture course and provides opportunities for students to demonstrate their proficiency in the 3 modes of communication (Interpretive, Interpersonal, and Presentational), at the Intermediate-High level range as described in the ACTFL Proficiency Guidelines.

The French AP course is divided into 6 thematic units based on recommended contexts and guided by essential questions. Corresponding cultural elements are integrated into the study of the units, and activities are directed with the cultural connections in mind. Review of the mechanics of advanced language structures is done within the contextual framework of each unit as needed.

Students will be able to use authentic materials at the college level in addition to:

- Understanding French spoken by native speakers at a natural pace, with a variety of regional pronunciations;
- Developing the ability to interpret audio, audio-visual and written authentic sources in French without dependence on a dictionary;
- Engaging in active two-way conversations in French using appropriate register and communication strategies;
- Presenting opinions and viewpoints, developing arguments both orally and in writing, with reasonable fluency, using different strategies for different audiences and communicative contexts;
- Understanding the significance of an array of cultural products, practices and perspectives from around the French-speaking world and comparing them to those in their own community.

An Advanced Placement examination is given in May.

## **SPANISH 1**

#1071

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

In this course, students will focus on pronunciation, vocabulary centered around themselves, identity, family, food, and familiar objects from their immediate environment. Conversational exchanges will be formulaic, using memorized phrases in familiar contexts. By the end of the course, students will have emerging mastery of verb conjugations in the present tense, notions of gender agreement, and an understanding of simple sentence structure. Students will continue to acquire cultural competence and learn about cultural products, practices, and perspectives in various Spanish countries. This course is aligned with the Ohio Standards for World Languages and helps students reach the novice-mid proficiency level on the ACTFL Proficiency Guidelines.



## **SPANISH 2**

#1072

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Spanish 1  
Fee: None

Building from what was learned in Spanish 1, students will expand their ability to communicate from using words to using phrases, and eventually, full sentences. Students will continue to expand vocabulary to include school, routines, personal information, preferences, and needs. Grammar concepts will expand on the present tense and introduce the past tenses. In conversational exchanges, students will be able to respond to simple, direct questions or requests for information. Students will compare the Spanish culture with their native culture in a variety of contexts. This course is aligned with the Ohio Standards for World Languages and helps students reach the novice-high proficiency level on the ACTFL Proficiency Guidelines.

## **SPANISH 3**

#1073

Grade Level: 10-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Spanish 2  
Fee: None

Building on what has been learned in Spanish 2, students in Spanish 3 will start to create with the language, initiate, maintain and bring to close simple conversations by asking and responding to simple questions. Students will also learn to state an opinion and produce stories on topics related to personal interest or study. Emphasis is still placed on the three modes of communication with culture always implicit in their sources as they start to prepare for advanced study. In context, students will explore practices, products, and perspectives of the Spanish-speaking culture in different situations, such as describing art and literature, the role technology in society, the influence of mass media, and problems with the environment. This course is aligned with the Ohio Standards for World Languages and helps students reach the intermediate-low proficiency level on the ACTFL Proficiency Guidelines.

## **SPANISH 4**

#1074

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Spanish 3  
Fee: None

Building on what has been learned in Spanish 3, students in Spanish 4 will continue creating with the language, initiating, maintaining and bringing to close simple conversations by asking and responding to simple questions. Emphasis is placed on understanding tone and main idea in literary works such as poems or short stories and in films or other forms of authentic multimedia, expressing preferences, concerns, and opinions on a variety of relevant topics, and providing information in various informal and formal presentations. This course is aligned with the Ohio Standards for World Languages and helps students reach the intermediate-mid proficiency level on the ACTFL Proficiency Guidelines.

## **AP SPANISH LANGUAGE**

#1076

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: Spanish 4  
Fee: None

This course follows the guidelines of the College Board® AP Spanish Language and Culture course and provides opportunities for students to demonstrate their proficiency in the 3 modes of communication (Interpretive, Interpersonal, and Presentational), from the Intermediate to the Pre-Advanced range as described in the ACTFL Performance Guidelines for K-12 Learners.

The Spanish AP course is divided into 6 thematic units which are based on recommended contexts and guided by essential questions. Corresponding cultural elements are integrated into the study of the units, and activities are directed with the cultural connections in mind. Review of the mechanics of advanced language structures is done within the contextual framework of each unit as needed.

Students will be able to use authentic materials (newspapers, magazines, podcasts, blogs, advertisements, television programs, films, music, video clips, and literature) at the college level, and also:

- Understand Spanish spoken by native speakers at a natural pace, with a variety of regional pronunciations;
- Develop the ability to interpret audio, audio-visual and written authentic sources in Spanish without dependence on a dictionary;
- Engage in active two-way conversations in Spanish using appropriate register and communication strategies;
- Present opinions and viewpoints, develop arguments and express themselves by describing, narrating, and inquiring in Spanish, both orally and in writing, with reasonable fluency, using different strategies for different audiences and communicative contexts;
- Understand the significance of an array of cultural products, practices and perspectives from around the Spanish-speaking world and make comparisons of them to those in their own community.

An Advanced Placement examination is given in May.

## **GERMAN 1**

#1081

Grade Level: 9-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: None  
Fee: None

In this course, students will focus on pronunciation, vocabulary centered around themselves, identity, family, food, and familiar objects from their immediate environment. Conversational exchanges will be formulaic, using memorized phrases in familiar contexts. By the end of the course, students will have emerging mastery of verb conjugations in the present tense, notions of gender agreement, and an understanding of simple sentence structure. Students will continue to acquire cultural competence and learn about cultural products, practices, and perspectives in various German countries. This course is aligned with the Ohio Standards for World Languages and helps students reach the novice-mid proficiency level on the ACTFL Proficiency Guidelines.

## **GERMAN 2**

#1082

Grade Level: 10-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: German 1  
Fee: None

Building from what was learned in German 1, students will expand their ability to communicate from using words to using phrases, and eventually, full sentences. Students will continue to expand vocabulary to include school, routines, personal information, preferences, and needs. Grammar concepts will expand on the present tense and introduce the perfect tenses. In conversational exchanges, students will be able to respond to simple, direct questions or requests for information. Students will compare German culture with their native culture in a variety of contexts. This course is aligned with the Ohio Standards for World Languages and helps students reach the novice mid proficiency level on the ACTFL Proficiency Guidelines.

## **GERMAN 3**

#1083

Grade Level: 11-12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: German 2  
Fee: None

Building on what has been learned in German 2, students in German 3 will learn to successfully manage a number of uncomplicated communicative tasks in familiar contexts. Emphasis is still placed on the three modes of communication with culture always implicit in their sources as they start to prepare for advanced study. In context, students will explore practices, products, and perspectives of the German culture in different situations, such as shopping, driving, and community health practices. This course is aligned with the Ohio Standards for World Languages and helps students reach the novice high proficiency level on the ACTFL Proficiency Guidelines.

## **GERMAN 4**

#1084

Grade Level: 12  
Credit: 1.00  
Length: 1 Year  
Prerequisites: German 3  
Fee: None

Building on what has been learned in German 3, students in German 4 will express personal meaning by combining and recombining what they know and what they hear from their interlocutors into short statements and discrete sentences. Students will explore familiar topics such as film, technology, and generational differences. There is continued emphasis on the three modes of communication (interpersonal, interpretive and presentational) with emphasis on the comparisons and contrasts between cultural perspectives, products, and practices. This course is aligned with the Ohio Standards for World Languages and helps students reach the intermediate-low proficiency level on the ACTFL Proficiency Guidelines.

## **CHINESE 1: (Distance Learning)**

#1090

Grade Level: 9-12  
Credit: 1.0  
Length: 1 year  
Prerequisites: None  
Fee: \$26

### **Chinese 1**

In Chinese I, students will learn the basics of spoken and written Mandarin Chinese. By stressing proper tones and pronunciation, this beginning class introduces Mandarin Chinese to those who are curious about the most widely spoken language in the world. Students will engage in communicative skills such as introducing themselves, meeting, greeting and describing others, ordering at a restaurant and asking for directions, all performed in a culturally appropriate and linguistically accurate manner. Speaking and listening skills are the main focus of Chinese I; however, students will also be introduced to the character-based writing system. Students will leave the class with confidence and a desire to continue Chinese language studies. As a Level I student, each will have the opportunity to participate in a weekend Chinese immersion trip to Flushing, New York. One of the largest and most authentic Chinese communities in the U.S., this trip affords students the opportunity to be fully immersed in the language and culture of which they have been learning. In addition to the option of an immersion trip, Chinese students through the CI at ECOESC will be invited to participate in Chinese writing contests, as well as a Math and Science competition in which the winners travel to other states for a larger competition. Additionally, classrooms and students will have several opportunities throughout each year to join in local and regional Chinese culture events as part of the extended classroom experience.

Chinese I is offered through Interactive Video Distance Learning, and will also incorporate the use of Google Classrooms (online support). Additionally, daily recorded lessons of the interactive instruction as part of the classroom support structure. Through grants and investment in the video conferencing delivery method, we are able to provide each individual period of instruction with its own classroom recording of live instruction daily, this is then accessible via a web browser, and username and password.

## **ADDITIONAL ELECTIVES**

### **AP SEMINAR**

#1000

Grade Level: 10-12

Credit: 1

Length: Year

Prerequisite: Teacher recommendation (English and Social Studies)

Fee: None

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based argument. (Source: Collegeboard.org).

### **AP RESEARCH**

#1001

Grade Level: 11-12

Credit: 1

Length: Year

Prerequisite: Successful completion of A.P. Seminar and teacher recommendation (English/Social Studies)

Fee: None

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. (Source: Collegeboard.org)

## **FRESHMEN MENTORING PROGRAM**

#0124

Grade Level: 9  
Credit: .25  
Length: Semester/Year  
Required

This course is designed to help students find success in school and in life. The personal, social and academic growth of each freshman student is nurtured through an ongoing orientation that includes information about school policies, procedures and programs, academic and social counseling and relationship building through upper-class student mentors. It will emphasize the value of academic rigor and expectations at the high school level and in one's educational career. It will provide a supportive environment that allows freshmen to become familiar with the high school's traditions, co-curricular opportunities and school activities. It will provide students with skills to get and stay organized to include study skills (learning styles, note taking, textbook reading, test taking and memorization techniques), setting and reaching goals, decision making, and management of time and stress factors.

## **FRESHMAN MENTORING PROGRAM (FMP) - MENTORS**

#1720

Grade Level: 11-12  
Credit: .50  
Length: Semester  
Prerequisites: Application and selection by faculty committee  
Fee: \$10.00

The Freshman Mentors Class consist of junior and senior students who apply and are selected by a faculty committee. Students mentor incoming freshman to help their transition to high school, along with meeting daily in a classroom setting to achieve goals as outlined by the FMP curriculum. Each mentor oversees a small group of freshman students and guides them through a series of activities throughout the semester. Mentors work with groups on developing habits to be successful in high school, including how to handle academic coursework, the social aspect of student life, and the development of team building skills.

## **STUDY SKILLS/SUPPORT SERVICES**

Grade Level: 9-12  
Credit: 0.50  
Length: 1 Semester  
Prerequisite: Teacher Recommendation Only  
Fee: None

Study Skills and Support Services develops organizational skills, study skills and test preparation, written expression and reading comprehension. This course focuses around individual student needs.

## **WEST SHORE CAREER TECHNICAL DISTRICT**

The West Shore Career-Technical District offers the programs listed in this catalog to students of the Bay Village, Lakewood, LCA, Rocky River and Westlake school districts. Our Career Technical Education programs have consistently received high marks on its report card and is recognized as one of the finest in the state. Many of our graduates continue their education at two or four-year colleges while others are employed upon graduation.

Often talented students overlook a career technical program during their high school years because they believe that, since they are planning to go to college, they need to be on an exclusively “college prep” academic track. While this may have been true a generation ago, it is no longer true today. Many college prep students have found rigorous career tech programs actually *enhance* their college preparation rather than compete with it. These are students who are typically more focused than their peers because they:

- Possess a career direction
- Possess a vision of their lives beyond just today
- Have planned with their counselors how to fit academics and career tech into their four years of high school
- Have developed good time management skills
- Possess the social and emotional maturity that allows them to take a risk on a new experience

*For example, students who think they may want to study business, accounting, finance, marketing or management in college may want to consider one of the programs in the Business section to get a head start on what will be taught in college. This is true as well for students interested in a medical, teaching or engineering career think about Health Careers, Early Childhood Education or Pre-engineering. Is technology your passion? Then consider something in Media Art and Design, Electronics or Networking. Culinary, Automotive and Construction are even more opportunities to combine college and career tech. Look at the possibilities in a West Shore Career-Technical program and dare to dream what you could do.*

Employers and college admissions officers like career technical graduates because they know they have had hands-on training and real-world experience in their chosen field of interest. Learning about something is not the same as learning how to do something. Career-technical programs at West Shore emphasize both. Students graduate from our one or two-year programs with documented evidence of their academic knowledge, technical skills and experience that will take them to the next step of their education as well as to entry level skilled employment.

## College Link

(CT)<sup>2</sup> is a state-wide articulated college credit program offered through the Ohio Board of Regents. It helps high school career technical students go to college and enter with college credit. Technical credit saves students money and time and Ohio business and industry will benefit from more employees with higher education and advanced skills. Students are guaranteed the transfer of applicable credits among Ohio’s public colleges and universities through (CT)<sup>2</sup>. To read more about this program go to: <http://www.ohiohighered.org/transfer/ct2>.

The West Shore Career-Technical District, in collaboration with Cuyahoga Community College, offers Tech Prep college credit through Tri-C’s Tech Prep program. Students enrolled in a Tech Prep program can earn college credit towards a degree at Cuyahoga Community College or the credits earned can be transferred to some four-year colleges as well.

In addition to the above, the West Shore Career-Technical District has secured articulation agreements with various private schools and public schools which will enable students to transfer college credits to that school provided they have met the requirements set by that school. Through our affiliation with both Pro Start (Culinary program) and PLTW (Engineering program) students have even more college credit options.

To view the college credit opportunities available for each of our West Shore programs you can go to:

<http://www.lakewoodcityschools.org/westshore> and select “College/Post-Secondary Credit.” If you are interested in the possibilities offered in one of our College Link programs, please call the Career Development Coordinator at 216-529-4154.

## College Link F.A.Q.

What do I need to do to earn college credit while in a career-tech program?

Each program offers a different amount of credit and set of criteria, so it will vary depending on the college, the career-tech program, or the major you are pursuing after high school. Some colleges may require the following criteria:

- Earn at least a 3.0 GPA (grade point average) in your career-tech program
- Maintain a 2.0 GPA (grades 9-12)
- Maintain a consistent attendance rate in your career-tech program
- Pass Algebra 2
- Pass the State of Ohio end of course exams
- Complete and turn in proper paperwork

All College Credit requires the completion of the proper paperwork.

What are some of the colleges or universities that have Articulated College Credit\* with the West Shore Career-Technical District?

Ashland University  
Bryant & Stratton  
Cleveland State University  
Culinary Institute of America  
Cuyahoga Community College  
Duke University  
Hocking College  
Johnson & Wales University  
Kent State University  
Lakeland Community College  
Lincoln College of Technology

Lorain County Community College  
The Ohio State University  
Ohio University  
Purdue University  
Sinclair Community College  
Stark State  
Sullivan University  
The University of Akron  
The University of Toledo  
Youngstown State University  
Virginia Marti College of Art and Design

\*Many articulation agreements waive one or more college requirements because of skills mastered by the student in the West Shore program or because the student was able to earn an industry credential.



## Grading Scale

Points assigned for letter grades in determining grade point averages in West Shore Programs.

Letter Grade	Percentage
A+	97-100
A	93-96
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	0-59

**ROCKY RIVER HIGH SCHOOL ALMA MATER**

*WHERE THE WATERS ROCKY RIVER BLEND WITH LAKE ERIE,*

*STANDS OUR NOBLE ALMA MATER THRONED IN MAJESTY*

*SING HER PRAISES NEVER CEASING*

*WE SHALL EVER CRY,*

*“THEE WE HONOR, ALMA MATER ROCKY RIVER HIGH.”*