

Rootstown High School
Student Course Catalog
And
Curriculum Guide
2021– 2022



“Education is not the answer to the question.

Education is the means to answer all questions.”

-William Allin-

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SCHOOL COUNSELING OFFICE

School Counseling services are available to all students' grades 9 through 12. A full-time school counselor is available to assist students in academic, career, personal, and social domains.

Information discussed in personal counseling sessions is held confidential. Confidentiality will be breached if there is perceived imminent danger or potential harm to the student or another person, at which time the proper authorities will be contacted (i.e.: parents, social workers, police, etc.)

Services provided through the School Counseling office is intended for ALL students. The counselor is available for any student who wishes to discuss such matters as personal, social, educational and career-related issues.

The School Counseling Office provides assistance to students and parents through a variety of activities including:

- 1) Career/life/college planning
- 2) Parent/teacher conferences (available by appointment)
- 3) Testing and placement
- 4) Coordination/collaboration with community agencies
- 5) Transcript and record-keeping activities
- 6) Individual, group and crisis counseling
- 7) Development of prevention and intervention plans
- 8) High school course selection and scheduling

Individualized counseling is available for students in the School Counseling Office, as are resource materials in addition to resources in the library, in the areas of career and educational planning.

SCHEDULING PROCEDURES AND POLICIES

When a student makes his or her course selections, it is understood that the student wishes to take those classes selected. We will try to get each student the course requested. However, each time an adjustment is made to schedules other students are affected. We are very reluctant, therefore, to change schedules or course selections after schedules have been completed. Please, plan your future carefully and choose your course wisely.

If a student wishes to withdraw from a class, they must do so within the first two weeks of an **all-year course**. Any withdraw after that will be recorded as a "Withdraw (W/D) Failing." If a student decides to withdraw from an **all-year course** after the first semester, they must do so within the first week of the second semester. After that any withdraw will result in a failing grade. A note from a parent and the teacher must accompany any student withdrawal from an all-year course, after two weeks. Students wishing to withdraw from a **semester course** must do so within the first two weeks.

Students wishing to add or change a class must do so within the first two 2 weeks of the semester unless a unique circumstance arises for such consideration.

These include:

- 1) Academic Hardship

- 2) Physical Disability
- 3) Impaired Mental/Emotional Status
- 4) Scheduling Opportunity
- 5) Failing a Required Course

In any other situation, only the principal may grant a class drop. If the principal approves a request by a parent, the principal will determine whether or not a withdrawal “F” will result.

GRADUATION REQUIREMENTS

Requirements for graduation from high school include earning 22 units of credit in grades 9 – 12 or any coursework taken below grade 9 for high school credit. The credit requirements are as follows:

1) English Language Arts	4
2) Mathematics	4
3) Social Studies	3
4) Science	3
5) Health	½
6) Physical Education	½ (2 classes)
7) Electives	6 ½

Credit received for courses not completed at Rootstown High School will be at the discretion of the high school principal and counselor.

Credit may also be earned at an accredited post-secondary institution.

CORE CURRICULUM FOR COLLEGE PREPARATION IN OHIO

A student who is planning to attend a 4-year college or university and be accepted with unconditional status should plan to take these courses. These courses are designed to prepare students for required course work at the undergraduate level:

- Four years of English
- Four years of Math
- Three years of Social Studies
- Three years of Science
- Two or more years of Foreign Language (3 preferred)
- One year of Fine Arts – Visual or Performing Art

A student who does not meet these requirements may be accepted into a college or university with conditional status and may need to take additional developmental courses to prepare them for an undergraduate degree program.

EARLY GRADUATION

This program provides an option for students who will have met the requirements for graduation. Early graduation will be effective no earlier than the end of the first semester of the regularly scheduled senior year. Academic transcripts will be available at this time, but graduation diplomas will not be issued until commencement ceremonies at the end of the regular school year. To be eligible, a student must apply through the School Counseling Center by the first Monday in June of their junior year. Students must

indicate their preference toward participating in a formal commencement ceremony by the end of the first 9-week period. If a student chooses not to participate in commencement, he/she may receive a diploma at a later date.

GRADUATING WITH HONORS

The Senior Class will be recognized at Commencement as Summa Cum Laude (4.1+ GPA); Magna Cum Laude (3.8 – 4.09 GPA); or Cum Laude (3.50 – 3.79 GPA).

MAPLEWOOD CAREER CENTER

Students may attend Maplewood Career Center during their Junior and Senior years. The application process is handled through the School Counseling Office.

When a student has been accepted into a technical program at the vocational school, that student may not return to Rootstown until the second week of school has been completed. A student may only return with permission from both Maplewood and Rootstown High School.

EXTRA-CURRICULAR AND OHSAA ELIGIBILITY REQUIREMENTS

In order to be eligible for extra-curricular activities, Rootstown High School students must maintain at least a 1.5 GPA.

Athletic eligibility is based upon OHSAA rules and regulations. Students are required to pass five credits the preceding nine-week grading period to be eligible for athletics. A yearlong course counts as one credit. A semester course that is worth one half credit counts as one credit for eligibility purposes only. Student athletes should schedule more than the minimum course requirements to ensure eligibility in case of a class failure. (Note: Physical Education only counts as a quarter credit toward eligibility. Therefore a student-athlete taking P.E. must be enrolled in at least five other classes to be eligible.)

TESTING SCHEDULE

Fall- Ohio State Assessment

Spring- Ohio State Assessments in the following classes, Integrated Math I & II, American History, Government, Language Arts 10 and Biology are tentatively scheduled for April & May.

ACT and SAT tests may be taken at various schools and institutions in the area. *It is recommended that students taking the ACT take the optional writing test as well. Starting with the Class of 2018 and beyond the state will provide one free option to take the ACT the spring of their Junior year.

BOARD-ADOPTED GRADE SCALE

93 – 100 = A = 4.0

90 – 92 = A- = 3.7

87 – 89 = B+ = 3.3

83 – 86 = B = 3.0

80 – 82 = B- = 2.7

77 – 79 = C+ = 2.3
 73 – 76 = C = 2.0
 70 – 72 = C- = 1.7
 67 – 69 = D+ = 1.3
 63 – 66 = D = 1.0
 60 – 62 = D- = 0.7
 59 & below = F = 0

GRADE POINT AVERAGE

Cumulative grade point averages (GPA) are calculated at the conclusion of each semester. A student’s final grade point average and class rank are both determined from the grades and credits earned at the end of the semester.

Report cards received at the end of each quarter (nine-weeks) will indicate only the grade point average for that particular grading period. The cumulative GPA on the nine-week report card does not include the nine-week grades. Cumulative GPAs are only accurate at the end of each semester.

Any high school course work taken below ninth grade for high school credit will count towards graduation requirements as well as towards the student’s high school cumulative grade point average. This is at the discretion of the high school principal and school counselor.

WEIGHTED GRADES

Weighted grades will only be given to students completing an entire AP/CCP and or Honors course. Weighted grades will not be given for grades below a C.

Percentage	Grade	Regular	Honors	AP/CCP
93-100	A	4.0	4.5	5.0
90-92	A-	3.7	4.2	4.7
87-89	B+	3.3	3.8	4.3
83-86	B	3.0	3.5	4.0
80-82	B-	2.7	3.2	3.7
77-79	C+	2.3	2.8	3.3
73-76	C	2.0	2.5	3.0
70-72	C-	1.7	1.7	1.7
67-69	D+	1.3	1.3	1.3
63-66	D	1.0	1.0	1.0
60-62	D-	0.7	0.7	0.7
0-59	F	0.0	0.0	0.0

HONORS CLASSES CRITERIA

Students will be admitted into Honors classes and Advanced Placement classes based on an approved rubric. The rubric has five specific criteria: Gifted Identification, Class Grades, State Assessment score, Attendance, and Teacher Recommendation. An example of the rubric is attached at the back of this document.

INCOMPLETES

An “incomplete” is given in a situation where an extension is granted to a student by the instructor due to extenuating circumstances. Incompletes are to be completed within two weeks of the last day of the grading period. Incompletes running beyond this period of time will be recorded as an “F,” unless granted an extension by the principal.

HONOR ROLL

The Honor Roll will include those eligible from Rootstown High School. Students attending Maplewood must meet the criteria established by Maplewood. Honor roll will be a three tiered Summa Cum Laude Honor Roll 4.1+, Magna Cum Laude Honor Roll 3.8-4.09, and Cum Laude Honor Roll 3.5-3.79. Merit Roll will be recognized for any student earning 3.0-3.49

CREDIT RECOVERY COURSES

All courses taken beyond typical school hours or at alternate locations must first be approved through the School Counseling department in order to receive credit toward high school graduation.

SUMMER SCHOOL

Approval by the school counselor may be granted for courses not offered at Rootstown or for make-up work necessary to meet graduation requirements. Students must have an official transcript of approved courses sent to Rootstown upon completion of the course. A student who fails a required course may take a class in summer school or online to make up the credit that is required. All courses must be approved by the school counselor. **Summer school courses will be accepted for credit-recovery only! Students may not substitute summer school courses for required high school courses.**

HOME INSTRUCTION

In the event of an extended period of illness or injury, students and parents may apply to the school principal for approved home instruction. At this time, the principal, school counselor, and school psychologist will determine the services needed.

RECORDS RELEASE

In order to release student records, a Records Release form must be completed and signed by a parent, guardian or the student (if he/she is 18 or over). A separate Records Release form must be completed for each request and/or address. Only the records indicated on the form will be sent.

TRANSCRIPTS

Beginning with the first semester after graduation, students will be charged a fee of \$3.00 for each transcript sent.

RETAKE A COURSE

A student may retake a course in any class where a “C” or lower has been earned in either the first or second semester with the approval of the school counselor or

principal. The highest grade a student may receive for a class retaken shall be a “B.” The higher grade is calculated into the grade point average and the lower grade removed from the transcript. Be aware that if the students initially failed the course or semester (of an all-year course) the “F” will remain on the transcript.

Classes may only be retaken the semester immediately following the semester in which the course to be retaken was initially completed. If the course is not offered the following semester, the student may be approved to retake the course the next time it is offered.

COLLEGE CREDIT PLUS

Any high school student who meets the criteria is allowed to enroll as a full or part-time CCP student. Students are allowed to enroll full or part-time at approved colleges, universities or technical schools in Ohio. Any high school student who meets the criteria may enroll either full or part-time. Students may choose to take post-secondary courses for high school and college credit.

Within the College Credit Plus program:

- tuition, fees and required textbooks are provided
- a student may schedule up to 30 hours per year
- course credit that is accumulated may be transferred to other post-secondary institutions according to the transfer of credit guidelines of the universities involved.

A careful study and review of any post-secondary enrollment plan is necessary to be certain that selected courses meet high school curriculum and credit requirements. College courses taken in place of required Rootstown courses must be approved by the administration in advance of scheduling.

Application Process:

- A student must notify the high school by April 1st of the current school year of the intent to participate in the program for the following year-for both fall and/or spring semesters.
- Contact the high school counselor to arrange a conference to discuss planned post-secondary courses and how the courses comply with high school requirements.
- Complete and sign appropriate forms. A parent signature is required for students under the age of 18.
- Contact an admissions officer at the post-secondary institution. Additional forms and information may be required. The post-secondary institution determines acceptance.

Acceptance is not automatic. The post-secondary institution will review a student’s application and render a decision on acceptance. The college or university may have specific enrollment requirements that may include prerequisite courses, certain scores on the PSAT, ACT or SAT, GPA and other evaluation procedures to determine competency.

The application process is completed only twice during the school year. The application deadlines vary by institution. Please refer to the website of the colleges(s) of interest for fall and spring semester application deadlines. The only exception is for

students transferring in from another state or later dates assigned by the high education institution.

Students who do not receive a passing grade, or do not complete a course, are required by law to reimburse the school district. Student-athletes enrolled in the post-secondary program must make sure that they are taking the equivalent of five full credit classes required by the OHSAA in order to be eligible to compete in their chosen sport(s).

HONORS DIPLOMA

The student who completes the college preparatory curriculum in high school must meet any eight of the following nine criteria in order to receive an Academic Honors Diploma:

- a. Earn four units of English
- b. Earn four units of Math that include Int. I, Int. II, Int. III
Int. III and another higher level course or complete a four-year sequence of courses that contain equivalent content.
- c. Earn four units of Science that include one unit of biology, one unit of chemistry and one unit of additional advance science
- d. Earn four units of Social Studies.
- e. Earn either three units of one Foreign Language or two units each of two Foreign Languages.
- f. Earn one unit of Fine Arts (Art, Band, Choir)
- g. Earn either one unit of Business/Technology or two additional units in “a” through “f” above or earn three additional units in “a” through “f” above.
- h. Maintain an overall high school GPA of at least 3.5 on a four-point scale up to the last grading period of the senior year.
- i. Obtain a composite score of 27 on the American College Test (ACT) or a 1210 composite score on the Scholastic Aptitude Test (SAT).

The Ohio Department of Education also recognizes the following five Honors Diploma, and criteria can be found on the Ohio Department of Education webpage.

Ohio students have the opportunity to choose to pursue one of six honors diplomas:

1. Academic Honors Diploma
2. International Baccalaureate Honors Diploma
3. Career Tech Honors Diploma
4. STEM Honors Diploma
5. Arts Honors Diploma
6. Social Science and Civic Engagement Honors Diploma

**COURSE OFFERING AND DESCRIPTIONS
ARE SUBJECT TO CHANGE OR
CANCELLATION WITHOUT PRIOR NOTICE.**

COURSE OFFERINGS 2021 – 2022

ART

ART COMPOSITION 1 Semester ½ Credit Grades 9 – 12
Course #2000 – Fee \$25.00

This course is the basic introductory class where you learn the fundamental concepts of art and design. In art composition you will be working on design techniques, drawing, painting, printmaking, sculpture and art history. This class will take a creative, historical, and critical approach to learning about art. The projects assigned are intended to emphasize specific techniques while learning the elements of art and principles of design.

MIXED MEDIA 1 Semester ½ Credit Grades 9 – 12
Course #2010 - Fee \$35.00

This class will take a critical approach to learning about drawing, painting and other two-dimensional media. Students will review works from the masters and complete in-depth studies of the subject matter. The students will be responsible for providing their own sketchbook. The minimum sketchbook size is 8.5 x 11 inches.
Prerequisite: Art Composition

DIGITAL IMAGING 1 Semester ½ Credit Grades 9 – 12
Course #2001- Fee \$20.00

In this course students will learn to use the computer and the software application, Gimp, to create unique digital images. Students will explore both the technical aspects of image manipulation, as well as the artistic aspects of creating images through photography. Students will become familiar with Gimp through watching demonstrations, and completing structured assignments as well as open-ended assignments and projects.
Prerequisite: Art Composition

CERAMICS I 1 Semester ½ Credit Grades 9 – 12
Course #2003 – Fee \$35.00

This course is a basic introductory class designed to give students and overview of the visual arts and ceramics. This class will take a creative, historical and critical approach to learning about art. The projects assigned are designed to emphasize specific concepts of clay, two-dimensional and three-dimensional works of art. Within the limits of the assignments there is room for individual creativity.
Prerequisite: Art Composition

CERAMICS II 1 Semester ½ Credit Grades 10 – 12
Course #2004 – Fee \$35.00

This course is an intermediate class designed to give students an opportunity to create their own style in the visual arts and ceramics. This class will take a creative, historical and critical approach to learning about art. The projects assigned are designed to emphasize specific techniques or concepts of clay, two-dimensional and three-dimensional works of art on an intermediate level. Within the limits of assignments there is room for individual creativity.

Prerequisite: Art Composition and Ceramics I

ADVANCED ART & CERAMICS 1 Semester ½ Credit Grades 11 – 12
Course # 2011 – Fee \$35.00

Advanced Art and Design is an advanced class designed to allow students an opportunity to continue to develop a personal style of working with clay and in the visual arts. This class will take a creative, historical and critical approach to learning about art. The projects assigned are designed to emphasize specific techniques or concepts of clay, two-dimensional and three-dimensional works of art. Within the limits of the assignment there is room for individual creativity.

Prerequisite: Art Composition, Ceramics I and Ceramics II

INDEPENDENT STUDY 1 Semester ½ Credit Grades 11 – 12
Course #2007 – Fee \$ 35.00 (Amount dependent upon individual projects)

This independent study course is offered to students who will be going into art after graduation and will be arranged according to the student and teacher's schedule. It is a self-motivating course for a student to spend more time perfecting a skill or skills not offered in a course of study.

Prerequisite: Art Composition and Ceramics I

Teacher Permission Only: Based on rubric and availability.

GRAPHIC DESIGN 1 Semester ½ Credit
Course # 2012 – Fee \$20.00

Graphic Design is a class that teaches art and technology. In this class students will use design as a creative process in communication. Students will also explore various methods used to create and combine words, symbols and images to create a visual representation of ideas and messages. Students will use the basic elements and principles of art and also learn how to use the computer programs to create unique designs. This class teaches the basics of graphic design through an illustrative and corporate view.

Prerequisite: Art Composition

TECHNOLOGY

EXPLORATIONS IN TECHNOLOGY 1 Semester ½ Credit Grade 9-10
Course # 1002 – Required Course Fee \$6.00

This class introduces students to a variety of technology topics including: the Google platform, robotics, programming, and digital communications. The diverse nature of this course will allow students to choose appropriate technology courses in the future.

Web Development 1 Semester ½ credit Grades 9-12

This class includes website design, posting/removing Web sites to/from Web server and Web programming HTML, XML, etc. Course will cover Universal Design and other accessibility methods.

PROGRAMMING 1 1 Semester ½ credit Grade 9-12

Course # Class Fee -- to be determined

Students will learn to program and debug in the Java language. They will then apply this knowledge to physical computing with Arduino culminating in an interactive final project.

Prerequisite: Explorations in Technology

PROGRAMMING 2 1 Semester ½ credit Grade 9-12

Course # Class Fee -- to be determined

In this second level Programming course, students will focus on programming in the Arduino language. They will learn and use terminology associated with DC circuits and apply the corresponding laws to plan, wire, and troubleshoot different types of circuits on a breadboard.

Prerequisite: Explorations in Technology

ROBOTICS 1 Semester ½ credit Grade 9-12

Course #9073 Class fee – To be determined

Students will apply the knowledge and skills necessary to program and operate Robots, using the teach pendant as the main interface point. The Students will learn robotic operations and system configurations. Students will code, compile, and debug programs using the robotic programming language.

Prerequisite: Explorations in Technology

ROVER HELP DESK 1-4 Semesters ½ credit each Grade 9-12

Course # Class Fee -- to be determined

In this blended learning class, students will develop and refine their information technology skills, as well as research, presentation, mentoring, project development, and leadership skills. Participants will apply these skills by collaborating with teachers and assisting them with technology integration. Students will also assist peers in troubleshooting technology issues through managing a student-led help desk.

Admittance to course is based on teacher recommendation and interview.

Prerequisite: Explorations in Technology

Digital Media and Emerging Technologies- 1 Semester ½ credit Grades 9-12

Course # Class Fee

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address needs and resolve problems. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students

develop the Rover News, while learning about video production. Other topics will include podcasting and vlogging.

Yearbook- 1 Semester ½ credit Grades 9-12

In this course students will gain skills in page design, advanced publishing techniques, copywriting, editing, and photography while producing a creative, innovative Campio yearbook which records school memories and events. There is an emphasis on journalism skills in this class. Participants gain useful, real world skills in time management, marketing, teamwork, and design principles.

ROVER MEDIA 1 Semester ½ Credit Grade 9-12

Course # Course Fee -- to be determined

Students will script, produce, and edit the morning news using digital media software. Students will also aid in the production of the school yearbook through photography, creation of pages, and editing.

Prerequisite: Explorations in Technology

FAMILY AND CONSUMER SCIENCES

Principles of Nutrition and Wellness

1 Semester ½ Credit Grades 9 – 12

Course #8506 – Fee \$37.00

Delicious, healthy lifestyle choices are emphasized in this class. Nutrients, current research and theory, food myths, low-fat cooking and a variety of weight reduction programs are explored through preparation of tasty, healthy meal and snack items. This is a “hands on” class with the students working in the cooking labs for most of the course.

Principles of Food

1 Semester ½ Credit Grades 9 – 10

Course #8507 – Fee \$37.00

The emphasis in this course is on food choices that fit with today’s fast paced lifestyle. The “My Plate” template will be used as a tool in making wise food choices. The class goes through units that involve dishes that would be found in breakfast, lunch and dinner. Convenience products are often used as a basis for quick, tasty dishes. Holiday foods are featured during one week with an emphasis on creativity and presentation.

Global Foods

Semester ½ Credit Grades 9 – 12

Course #8508 – Fee \$39.00

Gourmet Foods feature dishes that require a higher level of culinary skill than those prepared in Contemporary Foods. Yeast breads, pies, pastries, foreign food, deep-frying, cakes and cake decorating are among the areas that are covered.

Culinary Fundamental 1 Semester ½ Credit Grades 10 -12

Course #8519 – Fee \$39.00

This course will provide an in-depth look at the world of baking. Students will be involved in the creation of a variety of cakes, cookies, pies, puff pastries, quick breads, and savory and sweet yeast breads of all types. Creativity and presentation will be stressed. Prerequisite: Global or Principal of Foods

Food Science 1 Semester ½ Credit

Grades 10 – 12

Course #8520 – Fee\$39.00

Students will plan and prepare meals that are delicious and nutritious. Exploration of new tastes and culinary techniques will be stressed. This is a “hands on” class for those students interested in taking their culinary skills to the next level. Students will be working in the cooking labs for most of the course.

Prerequisite – One of the following: Global Foods, Principles of Foods, or Principles of Nutrition.

MUSIC

MARCHING /CONCERT BAND A

Semester

½ Credit

Grades 9-12

Offered during the fall semester only, this course provides an instrumental music experience that teaches music through a combination of traditional music education techniques and rhythmic movement. Marching band begins in July and continues until the end of October. The marching band spends a week at band camp every August, performs at all varsity football games, several band festivals, and a number of school functions during the school year. The marching band also travels to events. Attendance is mandatory at these events and directly correlates with the course grade the student will receive. Known as the “Pride of Rootstown” the marching band has a rich history of exciting performances. Successful completion of this course will require students to demonstrate proficiency in the following Ohio Academic Content Standards in Fine Arts-Music: Ohio Academic Content Standards in Fine Arts-Music: Perceiving/Knowing/Creating and Producing/Performing.

PREREQUISITE: Previous participation in a concert or marching band at RHS, RMS, or another school OR private lessons on a band instrument and a conference with the director. Registered for *CONCERT BAND B* for spring semester.

CONCERT BAND B:

Semester

½ Credit

Grades 9-12

This course is a required follow up to Marching Band and is offered during the second semester only. The course is available to students who did not take *MARCHING /CONCERT BAND A* in the first semester. This course provides a band experience for the high school student who wishes to challenge him or herself by performing band literature and in small ensembles throughout the year at school and community functions as well as performances and competitions sponsored by the Ohio Music Education Association. Students are required to attend all rehearsals and successful completion of this course will require students to demonstrate proficiency in the following Ohio Academic Content

Standards in Fine Arts-Music: Ohio Academic Content Standards in Fine Arts-Music: Perceiving/Knowing/Creating and Producing/Performing.

PREREQUISITE: Previous participation in a concert or marching band at RHS, RMS, or another school OR private lessons on a band instrument and a conference with the director

CONCERT CHOIR

All Year 1 Credit Grades 9 – 12

Course #2110 – First Semester

Course #2111 – Second Semester

Concert Choir is a performance-based, year-long course for any student in grades 9-12 that enjoys singing and performing with others. Concert Choir explores vocal music from a wide variety of genres through study and performance. Participation is open to all students in grades 9-12 with continued recommendation by the instructor. Class curriculum emphasizes vocal technique, sight-reading, musicianship, music theory, and music history. Students enrolled in Concert Choir are expected to participate in all performances.

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION 1 Semester ¼ Credit Grades 9 –10

Course #3000 – Required for Graduation

This course will meet everyday for the entire semester. Students will experience a wide variety of physical activities that will include fitness, individual and team sports.

Students will also be responsible for understanding history, rules and concepts involved in a variety of sports. Full participation will be required.

Students are required to dress appropriately (shorts, t-shirts, warm-ups, tennis shoes, etc.) each and every day. A student may be excused for an injury up to four weeks. During class time missed, the student will be required to write a series of reports to receive credit. After four weeks, the student must retake the course.

ATHLETIC STRENGTH AND TRAINING

1 Semester 1/2 Credit #Course 3002 Grades 9-12

This course will meet every day for one full semester. Students will experience and study a variety of strength, endurance and conditioning activities for the all-around athlete. Students will also study research based nutrition and health related topics focused on athletic wellness. Topics of this course will include strength training, resistance training, plyometrics, speed and agility training, and flexibility.

Students will be required to dress appropriately for this course on a daily basis (shorts, t-shirt, warm ups, tennis shoes, etc.)

PREREQUISITE: Junior / Senior & have both Physical Education requirements.

HEALTH 1 Semester ½ Credit Grade 10 – 12

Course #3003

One semester of Health is required of all students. Classes are co-ed and cover a variety of topics including: nutrition, personal health, physical fitness, alcohol, tobacco and drugs, disease and first aid.

FOREIGN LANGUAGE

SPANISH 1 All Year 1 Credit Grades 9 – 12
Course #5058 – Spanish 1 – 1
Course #5059 – Spanish 1 – 2
Fee \$13.00

Students will have the opportunity to hear, speak, develop basic reading skills, and use proper grammatical structures in writing. An awareness of the customs and cultures of Spanish-speaking countries will also be developed.

SPANISH 2 All Year 1 Credit Grades 10 – 12
Course #5060 – Spanish 2 – 1
Course #5061 – Spanish 2 – 2
Fee \$12.00

This course refines the knowledge of Spanish conversation, vocabulary, grammar and reading. The student's ability to communicate via speaking or writing will be strengthened. They will become familiar with Spanish-speaking countries, their locations, their customs and traditions.

Prerequisite: Spanish 1

SPANISH 3 All Year 1 Credit Grades 11 – 12
Course #5062 – Spanish 3 – 1
Course #5063 – Spanish 3 – 2
Fee \$9.00

Students will enhance their capabilities to hear, speak, read, and write Spanish with greater comprehension. Students will use Spanish related to everyday situations (banking, shopping, travel agency, etc.).

SPANISH 4 All Year 1 Credit Grade 12
Course #5064 – Spanish 4 – 1
Course #5065 – Spanish 4 – 2
No Fee: Workbook from Spanish 3 will be used.

The student will continue to sharpen his/her skills ...hearing, speaking, reading and writing Spanish. Students will read and discuss works by Spanish and Hispanic authors. The student will be acquainted with the value of Spanish in personal endeavors.

ENGLISH/LANGUAGE ARTS

HONORS LANGUAGE ARTS 9 All Year 1 Credit Grade 9
Course #5000 Hon. Lang. Arts 9 – 1
Course #5001 Hon. Lang. Arts 9 – 2

Fee \$25

Students will study works and novels from various genres of literature in order to provide a foundation for future courses. Students will develop and expand their vocabulary, mechanics, and critical thinking skills. Knowledge and skills acquired will be assessed through test/quizzes, writing, and projects. Outside and group work will be required. Writing skills and use of MLA format will be further developed. Students will be expected to conduct independent investigations and work to become a leader in their own learning. Students may be required to obtain their own novels.

ENGLISH LANGUAGE ARTS 9 All Year 1 Credit Grade 9

Course #5002 Lang. Arts 9 – 1

Course #5003 Lang. Arts 9 – 2

Fee -\$18.00

Students will study works from various genres of literature as well as non-fiction. Practical writing skills and MLA format will be taught by focusing on the writing of essays, papers, and projects. Outside reading, writing, and project work will be required. Use of technology will be an integral part of this course.

HONORS LANGUAGE ARTS 10 All Year 1 Credit Grade 10

Course #5004 Hon. Lang. Arts 10 –1

Course #5005 Hon. Lang. Arts 10 –2

The students will cover the **Ohio Learning Standards** for Language Arts. Literature, informative text, writing and communication skills will be the focus of the class at a higher level of learning. Students may be required to obtain novels. Strong writing and MLA skills are necessary for this class. **The student must be prepared to read, study and complete work outside the classroom.**

Fee \$40

LANGUAGE ARTS 10 All Year 1 Credit Grade 10

Course #5006 Lang. Arts 10 – 1

Course #5007 Lang. Arts 10 – 2

Fee \$25.00

The students will cover the **Ohio Learning Standards** for Language Arts. Literature, informative text, writing and communication skills will be the focus of the class.

Fee \$40

HONORS LANGUAGE ARTS 11 All Year 1 Credit Grade 11

Course #5008 Hon. Lang. Arts 11 – 1

Course #5009 Hon. Lang. Arts 11 – 2

Fee- \$15.00

The student will study American authors and their better-known works. The student will further develop skills in reading, speaking, using the language effectively in writing the essay, critical thinking and develop further mastery of writing, mechanical usage, and grammar skills. Students will complete research-based papers, projects, and oral presentations related to the works they read. Outside readings are required. Students

must possess a thorough knowledge of MLA format, thesis statements, and basic structure and components of research papers. Students will be required to purchase novels.

ENGLISH LANGUAGE ARTS 11 All Year 1 Credit Grade 11

Course #5010 Lang. Arts 11 – 1

Course #5011 Lang. Arts 11 – 2

Fee- \$15.00

The student will study the development of American literature. Certain topics will be theme-based with an emphasis on connecting literature with life. Students will build on skills related to vocabulary development, reading, speaking, grammar and writing. Students will complete research papers, projects and oral presentations related to the works that they read. Outside readings, writing and project work will be required. Use of technology will be an integral part of this course.

AP LITERATURE & COMPOSITION All Year 1 Credit Grade 12

Fulfills Language Arts 12 Requirement

Course #5012 AP Lit. & Comp. 12 - 1

Course #5013 AP Lit. & Comp. 12 – 2

Fee- \$15.00

The Advanced Placement English course in Literature and Composition includes an intense study and discussion of major British and World Literature from the sixteenth to the twentieth century. Writing is an integral part of the AP course including personal essays, research papers and literary criticism. **Summer reading is required.** Students will be required to purchase additional materials.

Students **MUST** take the AP English exam at their own expense. (Approx. \$92.00)

AP LANGUAGE & COMPOSITION All Year 1 Credit Grade 12

Fulfills Language Arts 12 Requirement

Course #5012 AP Lit. & Comp. 12 - 1

Course #5013 AP Lit. & Comp. 12 – 2

Fee- \$15.00

This an introductory college-level **composition course**. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

Students **MUST** take the AP English exam at their own expense. (Approx. \$92.00)

LANGUAGE ARTS 12 All Year 1 Credit Grade 12

Course #5014 Lang. Arts 12 – 1

Course #5015 Lang. Arts 12 – 2

Fee- \$10.00

The student will focus on a variety of literary works, including British Literature, from both an anthology and supplemental texts. The student will continue to refine skills

in reading, essay writing, critical thinking, grammar usage and mechanics. Research papers will be required. Outside readings are required.

RESOURCE LANGUAGE ARTS All Year 1 Credit Grades 9 – 12

Course #1503 Basic Eng. Sem. 1

Course #1504 Basic Eng. Sem. 2

This course focuses on basic Language Arts skills and literature. This class is by permission only.

PODCAST

Course # 9-12 1 Semester ½ Credit

In this elective course students will use various podcasts as their "text" to learn about and explore the world around them. Students will be expected to listen to podcasts, analyze them, and complete classwork and projects inspired by their listening. While not required, access to podcasts on personal devices will be helpful for students in this class.

NOVELS INDEPENDENT STUDY

Course # 5028 1 Semester ½ Credit Grades 10 (Honors only), 11–12

Students will work with teacher to select novels to read independently; while reading, students will be expected to complete analysis activities. This course will be self-paced and directed with the support of the teacher. Students may be required to check-out/purchase some books for this course. Approval required by teacher to complete this course due to the nature of the work.

LITERATURE AND FILM

1 Semester ½ credit 11-12

Literature and Film is a course that will explore the connections between literature and film through an in-depth study of film, writing, and film production from a literary perspective.

Students will: study film history, read novels that inspire film, and analyze film thorough discussion and extensive film analysis papers. Students will become more knowledgeable and appreciative readers and more perceptive viewers of film through learning basic cinematic techniques that define different genres of film.

Students should expect to produce college-level written analysis and extensive outside reading.

TEEN ISSUES THROUGH LITERATURE 1 Semester ½ Credit Grades 11 - 12

Course #5022

This course will explore social, physical and psychological issues that are being faced by teens. A variety of mediums will be utilized and they will contain mature content. On average, the class reads a novel within a week or two.

SCIENCE

PHYSICAL SCIENCE All Year 1 Credit Grade 10

Course # First Semester Course # Second Semester

This course will teach the Academic Content Standards required by the Ohio Dept. of Education. The students will study concepts related to Physical Sciences, Earth & Space sciences using scientific inquiry and technology. The students will also study charts, graphs, collect data, and test physical and/or mathematical models.

Fee- \$15.00

HONORS PHYSICAL SCIENCE All Year 1 Credit Grade 10

Course #9100 First Semester

Course #9101 Second Semester

This course will take an in-depth look at the Academic Content Standards required by the Ohio Dept. of Education. The students will study concepts related to Physical Sciences, Earth & Space sciences using scientific inquiry and technology. The students will also study charts, graphs, collect data, and test physical and/or mathematical models.

Fee- \$15.00

BIOLOGY All Year 1 Credit Grade 9

Course #9102 First Semester

Course #9103 Second Semester

Fee \$25

This course will cover the Biological Standards required by the Ohio Dept. of Education. Through hands-on labs and lectures students will gain an understanding of living systems, heredity, evolution, cells and diversity of species.

Prerequisites: Physical Science

HONORS BIOLOGY All Year 1 Credit Grade 9

Course #9104 First Semester

Course #9105 Second Semester

Fee \$25

This course will take an in-depth look at biological concepts, including cellular biology, genetics, changes through time, ecology, and interdependence of life.

ENVIRONMENTAL SCIENCE- EARTH'S SYSTEMS

1 Semester ½ Credit Grades 11-12

Course #9106 First Semester

This course will focus on the interactions between organisms and their environment. This course provides a background in the fundamental principles of ecological science, including concepts of population and community ecology, biodiversity, and sustainability. Students will acquire an “ecological literacy” about how the natural world works, and develop an understanding of how scientific methods are used to construct ecological knowledge.

ENVIRONMENTAL SCIENCE- EARTH'S RESOURCES AND ENVIRONMENTAL ISSUES

1 Semester ½ Credit Grades 11-12

Course #9107 Second Semester

This course will focus on various resources that the Earth has to offer as well as the current issues occurring within our environment. This course provides a background in the fundamental principles of environmental science, including concepts of overpopulation, renewable/nonrenewable resources, water and air quality, and waste management. Students will take a look at the impacts they are making and possible solutions for these issues.

HONORS CHEMISTRY All Year 1 Credit Grades 10 – 12

Course #9108 First Semester

Course #9109 Second Semester

Fee Required \$25

This course is a more rigorous and faster paced approach to Chemistry. Instruction is at a level for the honor student but a conscious effort is made to provide a solid background for students who may need it in college. Laboratory experiments are done to reinforce principles learned in class.

PHYSICS All Year 1 Credit Grades 11 – 12

Course #9110 First Semester

Course #9111 Second Semester

Fee Required \$25

This course is an introduction to the basic principles of motion and the causes of motion. There is heavy emphasis on problem-solving and analytical thinking. Laboratory experiments are done to aid the student in understanding the basic principles of motion. Prerequisite: Integrated Math II and Chemistry

ANATOMY & PHYSIOLOGY 1 Credit All Year Grades 11 – 12

Fee \$15.00

This course examines the basic biological concepts of structure and function of the human body. Body systems, such as the cardiovascular, respiratory, nervous, digestive, muscular, skeletal and reproductive will be surveyed. Special topics may include the disease processes that affect the human body, such as cancers and AIDS.

PHYSICAL GEOLOGY ½ Credit 1 Semester Grades 9-12

This course will take a look into Ohio's Academic Content Standards in Physical geology by incorporating topics in chemistry, physics, and environmental science and introduce students to key concepts, principles and theories within geology. Students will study plate tectonics, the geologic time scale, minerals, and a variety of other topics and relate these topics to current world events.

WEATHER ½ Credit Semester Grades 9-12

Survey weather phenomena, climate and processes that control them. Topics include composition and structure of atmosphere and real time weather analysis.

BOTANY and Horticulture ½ Credit Semester Grades 9-12

An interactive class focused on cultivating plants in our growing zone but study of other growing zones and types of vegetation that grows in each. Discuss different types of trees, grasses, weeds, flowers, herbs, house plants and preferred growing conditions for each including invasive plant species. Learn about soils, pH, hydroponics, fertilizers, pesticides and organic methods. Will also discuss medicinal plants and how they lead to development of pharmaceuticals.

CCP ENVIRONMENTAL SCIENCE ½ Credit Semester Grades 9-12

This course is a College Credit Plus course offered at Rootstown through Youngstown State University. Students must meet the CCP application requirements in order to take this class. The course will cover basic environmental science literacy for informed citizens as inhabitants and stewards of Earth. The use of science and the scientific method to understand, assess, and manage the environment to improve human health, conserve energy and resources, preserve nature, and sustain quality of life.

SOCIAL STUDIES

WORLD HISTORY All Year 1 Credit Grade 9

Course #8001 First Sem. World Hist. I Course #8002 Second Sem. World Hist. II

This course is a survey of World historical and chronological events from 1750 to the present including a current events format.

HONORS WORLD HISTORY All year 1 Credit Grade 9

Course #8020 First Semester Hon. World Hist. I

Course #8021 Second Semester Hon. World Hist. II

This course is a survey of world historical chronological events from 1750 to the present. Current events may be included. Outside readings and research will be required.

AMERICAN HISTORY All year 1 Credit Grade 10

Course #8028 First Semester American Hist. I

Course #8029 Second Semester American Hist II

This course is required and is a survey of US historical and chronological events from 1877 to the present. Heavy emphasis is placed on improving historical thinking skills and preparation for the Ohio State Test in the Spring.

AP US HISTORY All Year 1 Credit Grade 10

Course #8014 First Semester

Course #8015 Second Semester

This is a rigorous and challenging course intended to be similar to a college course; students are expected to keep up with extensive reading of textbook materials as well as additional primary and secondary sources and assignments. The College Board dictates a prescribed curriculum, beginning with Pre-Columbian civilizations and ending in the present, in order to prepare students for the AP History test in May. Excellent writing skills are a must for success in this class. With a passing grade on the AP Test a student may receive college credit at the discretion of the university students hope to attend. Students will be **required** to take the AP History test at their own expense (approx. \$92.00). Students **must** have teacher approval to enroll and may be removed if their grade falls below a "C-" at the close of the first semester.

HONORS AMERICAN GOVERNMENT All Year 1 Credit Grade 11 & 12

This course takes a rigorous and faster pace covering national, state and local governments. In this class the student should have a deeper understanding of the fundamental and practical purposes of government and how they apply to the individual in his everyday life. It will include voter registration and other activities. Also included will be a unit on personal financial literacy.

AMERICAN GOVERNMENT All Year 1 Credit Grade 11 & 12

Course #8011

This is a general survey course covering the basics of national, state and local governments. In this class the student should become aware of the fundamental and practical purposes of government and how they apply to the individual in his everyday life. It will include voter registration and other activities. Also included will be a unit on personal financial literacy.

PSYCHOLOGY One Semester ½ Credit Grades 11-12

Course #8013

This course will focus on gaining a better understanding of people, and at times the topics will be specific and personal. Students will discover new ways of looking at and interpreting their behavior. Daily events students might ordinarily take for granted may now become fuel for thought.

SOCIOLOGY One Semester ½ Credit Grades 11-12

Course #8035

The course will focus on acquiring a sociological imagination so that students develop the capacity to shift from one perspective to another. In the process, students will build a positive view of our total society. Understanding the perspective of others, and how their perspective affects you, can lead to a more productive future.

HISTORY THROUGH SPORTS Semester ½ Credit Grades 11-12

Course #8032

This course will examine a number of historical events/topics, including from nationalism, racial inequality, and protest, through the lens of sport. Jackie Robinson's breaking of the color barrier in Major League Baseball, Jesse Owens at the 1936 Berlin Olympics, protests against General Franco in Spain during Barcelona FC soccer games are just a few of the events we will investigate. This course will require regular reading and writing in keeping with the historical inquiry method of investigating a topic. The course is open to juniors and seniors. An element of this course will involve a student-chosen research project related to sports and history.

AFRICAN AMERICAN HISTORY Semester ½ Credit Grades 11-12

Course #7998

This course will examine the history of African Americans from the Atlantic slave trade to the present. Topics will include slave narratives, the struggle for equality during the civil rights movement, and the men and women who inspired/lead these movements.

Segregation in the United States throughout the 19th and 20th centuries will also be considered, as well as the connection of African Americans to Africa and a search for a shared cultural identity. This course will require reading and writing in keeping with the historical inquiry method, and is open to juniors and seniors. This course will require students to complete a research project on a topic of their choosing related to African American history.

MATH

INTEGRATED MATH I All Year 1 Credit Grades 9 – 10

Course #9053 First Semester

Course #9054 Second Semester

This course looks at four main areas of mathematics: Algebra, Statistics, Geometry and Trigonometry. Students will gain an entry level understanding of these topics throughout the year. The focus will be on student-led learning. Experimentation and investigation are important components of the course. Students are required to have a TI-83 Plus, TI-84 Plus or TI-84 Silver edition graphing calculator. The TI-Nspire can be used, but the TI-84 keypad is required. Use of any calculator other than these may inhibit a student's ability to acquire certain material, and keep up with the class.

HONORS INTEGRATED MATH II All Year 1 Credit Grade 9 & 10

Course # 9069/9070

This course takes a rigorous and faster paced approach covering four main areas of mathematics: Algebra, Statistics, Geometry and Trigonometry. Students will continue their exploration of these topics throughout the year. The focus will be on student-led learning. Experimentation and investigation are important components of the course. Students are required to have a TI-83 Plus, TI-84, TI-84 Plus or TI-84 Silver edition graphing calculator. The TI-Nspire can be used, but the TI-84 keypad is required. Use of any calculator other than these may inhibit the students learning and ability to keep up with the class.

INTEGRATED MATH II All Year 1 Credit Grade 10

Course #9061 Semester 1 #9062 Semester 2

This course looks at four main areas of mathematics: Algebra, Statistics, Geometry and Trigonometry. Students will continue their exploration of these topics throughout the year. The focus will be on student-led learning. Experimentation and investigation are important components of the course. Students are required to have a TI-83 Plus, TI-84, TI-84 Plus or TI-84 Silver edition graphing calculator. The TI-Inspire can be used, but the TI-84 keypad is required. Use of any calculator other than these may inhibit the students learning and ability to keep up with the class.

HONORS INTEGRATED MATH III All Year 1 Credit Grade 10 & 11

Course # 9071-#9072

This course takes a rigorous and faster paced approach covering the second half of Geometry and the first half of Algebra II. Students will examine advanced properties of geometric figures; higher level geometric reasoning; solving and graphing exponential equations and higher degree polynomials. Students are required to have a TI-83 Plus,

TI-84, TI-84 Plus or TI-84 Silver edition graphing calculator. The TI-Inspire can be used, but the TI-84 keypad is required. Use of any calculator other than these may inhibit the students learning and ability to keep up with the class.

INTEGRATED MATH III All Year 1 Credit Grade 11
Course #9063 Semester 1 # 9064 Semester 2

This course covers the second half of Geometry and the first half of Algebra II. Students will examine advanced properties of geometric figures; higher level geometric reasoning; solving and graphing exponential equations and higher degree polynomials. Students are required to have a TI-83 Plus, TI-84, TI-84 Plus or TI-84 Silver edition graphing calculator. The TI-Inspire can be used, but the TI-84 keypad is required. Use of any calculator other than these may inhibit the students learning and ability to keep up with the class.

MATHEMATICAL MODELING AND REASONING 1 Credit Grade 11&12
Course # 111350

Critical thinking and reasoning are the primary objectives and outcomes of this advanced quantitative reasoning course. It includes the application of mathematical skills including algebraic methods to the analysis and interpretation of quantitative information (numbers in context) in real-world situations to make decisions that are relevant to daily life. Additionally, the course emphasizes interpretation, precision, representation, calculation, analysis/synthesis, use of assumptions and communication through student presentations and writing. Students combine problem solving with modeling to analyze real-life situations and devise solution strategies. These habits and skills cut across disciplines, promote perseverance, and provide a gateway into successful postsecondary education and a variety of careers.

INTEGRATED MATH IV All Year 1 Credit Grade 12
Course #9047 First Semester #9048 Second Semester

This course covers the second half of Algebra II. Students will examine advanced algebraic concepts including trigonometry, exponential functions, systems of equations, factoring, and distribution. Students are required to have a TI-83 Plus, TI-84, TI-84 Plus or TI-84 Silver edition graphing calculator. The TI-Inspire can be used, but the TI-84 keypad is required. Use of any calculator other than these may inhibit the students learning and ability to keep up with the class.

HONORS INTEGRATED MATH IV All Year 1 Credit Grade 11 & 12
Course #9065 First Semester
Course #9066 Second Semester

This course takes a rigorous approach to mastering algebraic and trigonometric concepts. Students taking this course should be detail-oriented with an appreciation for mathematical application and reasoning. Recommendation by a Rootstown high school math teacher is required. Students are required to have a TI-83 Plus, TI-84, TI-84 Plus, or TI-84 Silver edition graphing calculator. The TI-Inspire can be used, but the TI-84

keypad is required. Use of any calculator other than these may inhibit the student's learning and ability to keep up with the class.

A.P. CALCULUS All Year 1 Credit Grade 12

Course #9022 First Semester

Course #9023 Second Semester

This course is intended for students who have a thorough knowledge of college preparatory mathematics including algebra, axiomatic geometry, trigonometry, and analytic geometry. This is a college level class. A ti-83 or 84 graphing calculator is required. Students must have teacher approval.

All students must take the AP Calculus test at their own expense. (approx. \$92)

Prerequisite: Honors Integrated Math IV

RESOURCE MATH All Year 1 Credit Grades 9 – 12

Course #1507 First Semester Course #1508 Second Semester

This course focuses on basic math competency. Prerequisite: Teacher approval

APPLIED MATHEMATICS

Semester $\frac{1}{2}$ credit

In this elective course, students will explore the world around them through a mathematics lense. Students will apply mathematics concepts that they have already learned and continue to learn and apply to their everyday life.

EXPLORATIONS OF MATHEMATICS

Semester $\frac{1}{2}$ credit

In this elective course, students will create prototypes to solve real world problems using math and the utilization of a 3D printer. This class will try to partner with local businesses to make these real world problems as realistic as possible.

Career Based Intervention Program (CBIP)

Semester: $\frac{1}{2}$ Credit Course # 1206 CBI-9 Course # 1207 CBI-10

COURSE DESCRIPTION: The program is designed for 14 and 15 year-olds. The Career based Intervention Program (CBIP) emphasizes: 1) the individual student's needs and goals, 2) paid supervised work experiences, and 3) a planned career exploration program.

Students enrolled in a CBI program are also enrolled in all required courses necessary to fulfill graduation requirements. Their work experience occurs during the school day on the school premises. For their efforts, they receive a minimum wage salary paid every two weeks.

CBIP is a means of helping students move successfully towards graduation through either an academic or vocational education program. In order to be accepted into the program,

students must: 1) be nominated by the middle staff / guidance dept., 2) complete an application, 3) be interviewed by the CBIP teacher, and 4) have a parent/guardian meeting with the CBIP teacher.

FEE REQUIRED: \$20.00 per year