

**Sedona Red Rock
Jr./Sr. High School**

Course Catalog



2023-2024

FOREWORD

Sedona Red Rock Jr. /Sr. High School is a seven-year public school, dedicated to the pursuit of academic excellence in a culturally diverse community.

Analytical and creative thinking skills equip students to draw upon the knowledge of the past, weigh the questions of the present, and to envision the possibilities of the future. We believe that academic achievement is intrinsically valuable in a democratic atmosphere of mutual respect, social equity, and personal responsibility.

Involvement in extra-curricular and co-curricular activities provides additional opportunities for pursuing academic, social, and athletic goals.

Selecting courses will be one of the most important tasks you will perform during your school career. The coursework you choose will prepare you for further educational opportunities and life.

OBJECTIVES

1. To set and maintain high academic standards while providing each student with the opportunity for a structured, yet individualized, six-year sequence of courses; thereby preparing students for post-secondary educational opportunities.
2. To offer a rigorous college and career preparatory program, enabling students to graduate with 21st Century skills and opportunities to fulfill their goals for the future.
3. To maintain an atmosphere of mutual respect in a culturally diverse community and promote a responsible exchange of ideas among students and other members of the Sedona Red Rock Jr./Sr. High School community.
4. To serve as a model of excellence in the educational community.

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GENERAL INFORMATION

1. GRADES AND CREDITS

- a. All high school students must have 22 credits to be eligible to graduate. Please see page 6 for more details.
- b. Credits – Credits are based on Carnegie units of credit relative to “seat time” in class. In most cases, a course that lasts one full school year will receive one (1) unit of credit (.5 credits per semester). Courses that last for only one semester will merit one-half (.5) unit of credit.
- c. Grading – The following grading scale applies to all courses at Sedona Red Rock Jr./Sr. High School:

GRADE	RANGE	REGULAR VALUE	WEIGHTED VALUE
A	90-100%	4.0	5.0
B	80-89%	3.0	4.0
C	70-79%	2.0	3.0
D	60-69%	1.0	2.0
F	0-59%	0.0	0.0

- d. Weighted Grades – All Advanced Placement (AP) and Dual Enrollment (DE) courses can earn +1.0 GPA weight (D or better) on the grade point average.
- e. Computation of Grade Point Average (GPA)
 - Each percent grade is converted to the appropriate letter grade
 - Each letter grade is assigned a value (either regular or weighted)
 - Each value is multiplied by the amount of credit the class is worth resulting in a number of GPA points.
 - The total number of points is divided by the total number of credits attempted, arriving at the grade point average.
- f. Audit – Students who enroll more than 10 days after the start of a course, without a verified transfer grade from the previous school, will be able to take the course as audit only. No credit will be awarded for the course.

2. TYPES OF COURSES

- a. **Elective Courses** – Elective courses are those that are not specifically identified as graduation requirements. You will need to take some elective courses in order to have sufficient credits to graduate. All elective courses are designed to provide you with a marketable skill, make you a better-informed person, citizen, and consumer, and/or assist you in expanding your knowledge in areas that will become life-long hobbies or avocations.
- b. **Honors Courses** – Courses designated as Honors are taught at a higher instructional level and contain more rigorous coursework requirements.
- c. **Prerequisite Courses** – A prerequisite is a condition that must be met before a student may enroll in a certain course. The prerequisites are listed on each course description. Please check these requirements carefully before making selections.
- d. **Required Courses** – A required course is one that must be successfully completed in order to meet graduation requirements. For example, a student must successfully complete Government in order to graduate. Graduation requirements are listed in this booklet on page 6.
- e. **Advanced Placement (AP) Course** – These classes are College Board approved courses designed for students who are performing at college level. Taking AP courses can result in students earning college credit or placement once the student enrolls in a college or university. Most colleges and universities accept AP courses. It is important the student be informed about the transfer policies of their potential colleges.
- f. **Dual Enrollment (DE) Course** – These are dual credit courses in which the student earns both high school and college credit simultaneously. To participate in DE courses, students have to demonstrate college readiness.
- g. **Career & Technical Education (CTE) Course** – Most of these are dual credit and/or professional certificate-earning courses, provided that the student earns a grade of C or better. Some CTE courses are offered on-site while others are offered off-site through VACTE Central Campus. Students may have to submit an application for enrollment in CTE courses.

3. CREDIT ACCEPTANCE BY COLLEGE / UNIVERSITY

During the past several years, colleges and universities have changed their entrance requirements. If you are accepted **CONDITIONALLY** into a college or university, you may have to complete entrance requirements at your own expense of time and money before you may begin to take courses leading to your degree. This can greatly increase

the cost of college and the time required to obtain a degree.

Check with your counselor and an advisor at your college of choice frequently to ensure that you do not neglect a requirement for admission.

4. COURSE SCHEDULES

- a. Many required courses are “pre-arranged” in grades 6-12 due to state-mandated graduation requirements. Students are encouraged, when the opportunity is presented, to select elective courses carefully with input from a parent/guardian, college advisor, teacher, and/or counselor.
- b. Schedule changes are permitted within the first 10 days of the grading period for the following reasons:
 - To add or repeat a course required for graduation, college admission, or vocational school preparation.
 - To correct a scheduling error
 - To adjust for appropriate placement
 - To accommodate special education/ELL students
 - To replace summer school course(s) successfully completed

5. GRADUATION REQUIREMENTS

Sedona Red Rock High School requires a minimum of 22 credits for graduation/diploma.		State of Arizona Minimum Required
English	4.0 Credits	4.0 Credits
Math	4.0 Credits	4.0 Credits*
Science	3.0 Credits	3.0 Credits
History/Social Studies	3.0 Credits	3.0 Credits**
CTE Courses	1.0 Credits	
Foreign Language	1.0 Credit	
Physical Education	1.0 Credit	
Fine Art	1.0 Credit	
Elective Credits	4.0 Credits	8.0 Credits***
Other State Requirements for Graduation:		
Civics Test (Minimum score of 70% or better; reported as Pass or Fail)		
Introductory Coursework in First Aid/CPR		

* Math: Credits must include at least one credit each of Algebra I, Algebra II, and Geometry.

** History/Social Science: Credits must include one credit each of World History, US History, and Government/Economics

*** Electives: Credits must include at least one credit of Fine Arts or CTE.

6. EARLY GRADUATION:

- a. The Sedona-Oak Creek Unified School District Board of Education does not advocate early graduation, although such requests will be reviewed. College-bound students are encouraged to remain in high school to earn the credits as set forth above.
- b. Early graduation can occur:
 - 1. At the end of the student's junior year, or
 - 2. At the end of first semester of the student's senior year.
- c. To be eligible for early graduation, the student must:
 - 1. Make the commitment for early graduation by the year of graduation.
 - 2. Present a parental letter of consent to high school counselor at least one semester prior to graduation.
 - 3. Have an acceptable attendance and disciplinary record.
 - 4. Receive approval from Administration for early graduation.
 - 5. Meet all credit and testing requirements for graduation.

7. NCAA ELIGIBILITY STUDENTS PARTICIPATING IN COLLEGE ATHLETICS:

All students wanting to participate in college athletics need to be ready to participate by fulfilling NCAA Clearinghouse requirements. When scheduling high school classes, beginning with the first year, students need to schedule core classes as listed on our school's "list of approved core classes" which can be found at the NCAA Clearinghouse website: www.eligibilitycenter.org

Our school code is **361040**. To be eligible, students need a 2.0 or better GPA from their "core classes" and a qualifying score on an ACT or SAT.

Students are encouraged to meet with their counselors at the start of the freshman year to begin their course selection process. Students must create a student account by going to the clearinghouse website. Students can also qualify for a fee waiver - see your counselor for qualifying information.

Checklist for College Planning

WHEN TO BEGIN	WHAT TO DO	HOW TO DO IT
<input type="checkbox"/> Freshman and Sophomore years	Become familiar with college entrance requirements and continue career exploration activities. Which courses in your high school curriculum satisfy college requirements? Do you have a plan for extracurricular involvement?	Work with parents, teachers, and counselors to create a four- year high school curriculum plan to satisfy your goals. Try job shadowing. Get involved at school and in your community.
<input type="checkbox"/> September – March of junior year	Think about your reasons for going to college. What are your goals? What learning opportunities are most important? Do your college plans include career plans?	Talk with your parents, counselors, teachers, and friends. Investigate possible career options and degree level required.
<input type="checkbox"/> January- March of junior year	Identify important factors in choosing a college. Two-year or four-year? Location? Cost? Kind of atmosphere? Variety of study programs available? Entrance test requirement?	Focus on your goals and career interest. Consult college guidebooks. Explore colleges on the internet. Prepare for your college admission test.
<input type="checkbox"/> March- August of junior year	List colleges you are considering and collect information. Have you included all possible choices? What information do you need? How can you get it?	Attend college fairs and college night programs. Prepare for and visit colleges. Take appropriate college admission test.
<input type="checkbox"/> August- December of senior year	Compare the colleges on your list. Have you weighed pros and cons carefully? Which colleges will meet your needs?	Continue visiting colleges. Organize information into detailed, useful comparisons.
<input type="checkbox"/> September- December of senior year	Apply to your “choice” colleges. Do you have all the necessary forms? Are you sure of the application deadlines?	Obtain application forms. Observe deadlines. Submit transcript and test scores (retest if necessary).
<input type="checkbox"/> January- February of senior year	Apply for financial aid. Have you investigated all possible sources of aid? When should you apply?	Consult financial aid office. Secure forms and note deadlines. Complete the FAFSA after January 1.
<input type="checkbox"/> November- May of senior year	Make some final decisions. What additional preparation might be helpful? Should you consider summer school? Do you feel comfortable with your final choice?	Confer with parents and counselors. Confirm your decision, and decline other admission offers. Show initiative.

SPECIAL COURSES OF STUDY

Early College

Early College (EC) is a program offered at SRR in partnership with Yavapai College. Ninth (9th) grade students who have demonstrated academic excellence, responsibility, and motivation can apply for acceptance. The program requires a four-year commitment. Through the EC Program, students participate in Yavapai College courses (earning high school and college credit simultaneously) beginning their 9th grade year. Students who complete all four years of the program will earn an Associate Degree from the college by the time they graduate high school. The cost of tuition is paid by SRR for students who fulfill their EC commitment. (The student/parent is responsible for the cost of books or course materials, if any.) For more information about the Early College Program, see your guidance counselor.

Advanced Placement Courses (AP)

AP courses are college-level courses taught by College Board certified instructors. These courses are rigorous and require a high level of maturity, motivation, and commitment for success. Students who take AP Exams can earn college credit and weighted high school GPA. AP Exams are created and governed by College Board but proctored on campus. All fees associated with AP Exams are paid by the student.

AP Capstone Certificate

High School students who complete *both* AP Seminar and AP Research, earning a score of 3 or better on their respective College Board AP Exams, are eligible to receive an AP Capstone Certificate from College Board. This is a prestigious honor recognized throughout the United States and worldwide.

AP Capstone Diploma

High School students who complete both AP Seminar and AP Research and any four additional AP courses, earning a score of 3 or better on all of their respective College Board AP Exams, are eligible to receive an AP Capstone Diploma from College Board. This award is valued throughout the United States and worldwide. Students who earn the AP Capstone Diploma develop key academic skills they'll use in college and beyond; become self-confident, independent thinkers and problem solvers, earn college credit (most colleges offer credit for qualifying scores); and stand out to colleges in the application process.

CTE Pathways

Career and Technical Education (CTE) Pathways are offered by SRR in partnership with Valley Academy for Career and Technical Education (VACTE). These pathways provide students with the ability to earn industry certification and college credit, as well as experience career-based learning, hand-on instruction, and leadership development through such organizations as Educators Rising, FBLA, FFA, HOSA, and SkillsUSA. All college tuition, books and materials, and uniforms are paid for by VACTE.

MIDDLE SCHOOL COURSE DESCRIPTIONS

ELECTIVES (Middle School)

Art

Level: 6-8

Beginning Art is a course that presents the basics of drawing, painting, design, and sculpture. Students are introduced to two- and three-dimensional design through studio projects, art history and art criticism. Students create original work in media such as collage, tempera and clay. The course also requires short writing assignments.

Intro to Photography

Level: 6-8

This is an introductory course in digital photography and editing. Students will learn the various functions of photography hardware, software, and digital applications. Students will learn to analyze a photograph for quality as well as how to produce high-quality photographs.

LeadWorthy (Leadership)

Level: 6-8

LeadWorthy develops critical, life-changing skills including taking responsibility, expressing yourself well, and making good decisions when problems arise. There is an emphasis on leadership development and character education. The research-based curriculum includes high-interest, relevant topics such as public speaking, goal setting, college and career exploration, community stewardship, and maintaining positive social relationships. Required (6-8).

Orchestra

Level: 6-8

Junior High Orchestra is a non-auditioned, string orchestra class. Students in the class will be expected to participate in multiple high-level concert performances, in-school and out-of-school. Experiences include, but are not limited to, improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students are also provided with opportunities to experience professional live performances during and outside of the school day that support and extend learning in the classroom.

Physical Education

Level: 6-8

In PE students will learn the importance of lifetime fitness and will develop the knowledge and skills necessary to achieve it. Students will experience various workout routines, weight training, cardiovascular workouts, and activities such as yoga. Students will have the opportunity to learn the rules and playing strategies of various athletic activities including soccer, flag football, disc golf, basketball, badminton, volleyball, and softball. Required (6th grade).

Unified Physical Education

Level: 6-12

This course provides opportunities for our students with and without disabilities to work together in preparation for competition in Unified Special Olympics (a variety of sports, including bocce,

basketball, softball, track and field, etc.). General education students learn to be Unified Partners to provide support and encouragement for their peers with disabilities. This course has limited availability. Students without disabilities who enroll will earn standard PE credit for the course.

LANGUAGE ARTS / READING (Middle School)

English Language Development (ELD)

Prerequisites: Language Acquisition Assessment (AZELLA)

Level: 6-8

This full-year Language Arts program will focus on English Language Acquisition for second language learners who have not reached proficiency in English reading, writing, listening, and/or speaking. The class will implement the Arizona English Language Proficiency Standards through direct instruction, small group instruction, and modeling of effective language acquisition strategies. Some areas of instruction may include word recognition, vocabulary building, critical thinking, study skills, making inferences, drawing conclusions, sequencing, interpretation of facts, etc. Students will be assessed and evaluated throughout the year to monitor progress.

Language Arts 6/7

Level: 6-7

This course is designed to develop students' reading, writing, listening, speaking, and critical thinking abilities through integrated Language Arts consistent with the State of Arizona College & Career Ready Standards. Students will study vocabulary including context clues, connotation, denotation, roots, affixes, synonyms, and antonyms. Students will read and analyze a variety of literature and informational text. Students will write argumentative and explanatory pieces that include evidence to support ideas, linking words, precise vocabulary, and a conclusion. Students will also conduct short research projects to build knowledge through investigation. Required.

Language Arts 8

Level: 8

This course is designed to develop students' reading, writing, listening, speaking, and critical thinking abilities through integrated Language Arts consistent with the State of Arizona College & Career Ready Standards. Students will read a variety of fiction and nonfiction texts. They will analyze the central ideas or themes of a text, including analyzing the roles of dialogue or incidents in developing the depth of the plot. Students will analyze the intentional choices authors make by comparing modern works of literature to traditional pieces, and citing their evidence to support their analysis. Students will develop arguments supported with reasoning and evidence gathered from multiple, credible print and digital sources. Students will also study vocabulary including context clues, connotation, denotation, roots, affixes, synonyms, and antonyms. Students will read and analyze a variety of forms of literature and informational text. Required.

MATHEMATICS (Middle School)

Middle School Mathematics Foundations

Level: 6-8

In this an ability leveled course where students will focus on developing competency in foundational mathematics: number sense, understanding of positive and negative integers,

fractions, and geometric concepts. Students will apply basic computation functions will solving mathematics problems in real-world context. Enrollment based on the middle school mathematics placement test. Required.

Middle School Mathematics Applications

Level: 6-8

In this ability leveled course, students will focus on developing an understanding of and applying proportional relationships; developing an understanding of operations with rational numbers; working with expressions and linear equations; solving problems involving scale drawings and informal geometric constructions; and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume. Enrollment based on the middle school mathematics placement test. Required.

Middle School Pre-Algebra

Level: 6-8

In this ability leveled course, students will focus on formulating and reasoning about expressions and equations, including solving linear equations and systems of linear equations; grasping the concept of a function and using functions to describe quantitative relationships; analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence; and understanding and applying the Pythagorean Theorem. Enrollment based on the middle school mathematics placement test. Required.

Algebra I

Credit: 1.0

Prerequisite: Exceeding the standards on the 7th grade AASA Math Test and/or recommendation by 7th grade Math Teacher

Level: 8-12

Eighth grade students who meet the prerequisite requirements will be able to take Algebra I for high school credit. Algebra I is the first course of a 4-year high school mathematics program of study. The major emphasis of Algebra I is on the fundamental skills of algebra and the various algebraic strategies that can be applied to solving mathematical equations. This course is required for high school graduation. The TI-84 graphing calculator is required.

SCIENCE (Middle School)

Science 6/7

Level: 6-7

In 6/7 science, students will apply their understanding of how matter and energy relate to atoms, the solar system, and ecosystems. They will develop an understanding of the nature of matter and the role of energy transformation, and they will also deepen their understanding of scales, patterns, and properties of matter, the solar system, and ecosystems. Student investigations focus on collecting and making sense of observational data, asking questions and defining problems, developing and using models. They will plan and carry out investigations, analyze and interpret data, use mathematics and computational thinking, construct explanations and design solutions, engage in argument from evidence, and obtain, evaluate, and communicate information. Required.

Science 8

Level: 8

In 8th grade science, students will describe how stability and change and the process of cause and effect influence changes in the natural world. Students will apply energy principles to chemical reactions, explore changes within Earth and understand how genetic information is passed down to produce variation among the populations. Student investigations focus on collecting and making sense of observational data, asking questions and defining problems, developing and using models. They will plan and carry out investigations, analyze and interpret data, use mathematics and computational thinking, construct explanations and design solutions, engage in argument from evidence, and obtain, evaluate, and communicate information. Required.

SOCIAL STUDIES (Middle School)

Social Studies 6/7

Level: 6-7

Sixth grade students will understand the cultural, religious, economic, and political systems of selected societies in the Eastern and Western Hemispheres. Students will study the beginnings of human society such as early hominid development and the Neolithic Revolution, early river civilizations (including Mesopotamia and the Nile River Valley), world religions, classical civilizations (including Greek, Roman, Persian, and Chinese), the rise and fall of empires, growth of trade networks, development of feudal systems in medieval Europe and Japan, and the origins and diffusion of the Renaissance and the Reformation. United States history will also be taught as it intersects with global issues. Students will study the influence of the Scientific Revolution on innovation and the Enlightenment on the concept of rights; revolutions around the world; global imperialism and its lasting consequences on regional conflict, stability, indigenous peoples, human movement, including slavery and involuntary migrations; the impact of industrialization and the rise of organized labor; global depressions; and global conflicts. Required.

Social Studies 8

Level: 8

In 8th grade Social Studies, citizenship and civic engagement will be taught through inquiry. Students will make connections between historical and current/recent issues as a base for implementing change in society. Students will recognize and practice their roles and responsibilities as both American and global citizens. United States History will focus on the major events that have their roots in the Constitution, Bill of Rights, and subsequent amendments. Students will study the foundations of the United States government stemming from historical events such as the American Revolution and Civil War; the Constitution including structure, function, and principles; formal institutions such as Congress, the courts, the presidency; historical and current legislation and landmark Supreme Court cases; Civil Rights movements throughout American; immigration; Amendments to the Constitution that have expanded the right to vote and equal protection under the law; human rights and genocides; environmental issues; information and media age including digital citizenship and media literacy; and terrorism both domestic and international. Required.

SPECIAL SERVICES COURSE DESCRIPTIONS

Consumer Math

Level: 6-12

In this course students learn how to use basic math skills in real life situations such as buying a car, budgeting your money, investing, and paying taxes. This is an applied-mathematics course that focuses on using the content to enhance life skills.

Life Skills

Level: 6-12

This course focuses on social skills, workplace skills, and independence skills. Students work on career exploration and learning how to socialize in different social situations. There is an emphasis on building problem-solving skills and learning self-management. Students are engaged in a variety of tasks including learning to clean, cook, do laundry, and complete assigned tasks. It is a goal-focused course that has special requirements for enrollment.

Unified Physical Education

Level: 6-12

This course supports our students' participation Unified Special Olympics. This course helps student athletes prepare for participation in various sports including bocce, bowling, basketball, and track & field. It is composed of students with disabilities as well as peer partners without disabilities. The focus is learning how to play sports while gaining acceptance and understanding of others. This course has limited availability. Students without disabilities who enroll will earn standard PE credit for the course.

Study Skills

Level: 6-12

This course focuses on learning workplace skills, basic mathematics, and English skills to expand student knowledge in order to better prepare for other courses and future employment. It is a goal-focused course that has special requirements for enrollment.

HIGH SCHOOL COURSE DESCRIPTIONS

AP CAPSTONE (High School)

AP Research

****Weighted Credit: 1.0***

Prerequisite: Passing grade in AP Seminar. Cannot be taking concurrently with AP Seminar.

Level: 11-12

AP Research, the second course in AP Capstone, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. *Students wishing to receive weighted credit for this course must take the AP English Literature & Composition Exam in May; otherwise, standard credit will be given.*

AP Seminar

****Weighted Credit: 1.0***

Level: 11-12

AP Seminar is the foundational course in AP Capstone. It engages students in exploring 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 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 arguments. *Students wishing to receive weighted credit for this course must take the AP English Literature & Composition Exam in May; otherwise, standard credit will be given.*

ART (High School)

Drawing & Painting

Credit: 1.0

Level: 9 -12

This course emphasizes life drawing, observation skills, design, art criticism, and art history. Students create a variety of two-dimensional art forms in drawing, design, and painting projects using a wide range of media, including pencil, charcoal, ink, watercolor, tempera, and mixed media such as collage and clay. Students of all levels will be engaged in opportunities that promote creative thought and expression. The course does require short writing assignments. Elective.

CAREER & TECHNICAL EDUCATION (High School)
(These courses are provided by VACTE and availability is limited.)
Off-Site

Certified Nursing Assistant

Credit: 1.0 / Semester

Prerequisite: Students must submit an application for enrollment.

Level: 12

This is a dual-enrollment, VACTE Central Campus one-semester program. Students will earn OSHA-10 Healthcare and CPR/AED/First Aid Certification, as well as Yavapai College and Arizona State Board of Nursing Certified Nursing Assistance Certifications. College credit is awarded through Yavapai College. Elective.

Construction Trades I & II

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 10-12

This is a dual-enrollment, VACTE Central Campus one- to two-year program. Students study flooring, framing, roofing, plumbing, electrical, and much more. Students earn Industry Certification in OSHA-10, IVES Core 4 Lift, NCCER Core, and NCCER Level 1 Certificates. College credit is awarded through Yavapai College. Elective.

Cosmetology

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11

This is a VACTE Central Campus two-year program. Students will earn Arizona Cosmetology & Barber Certification. There is a Hairstyling Equipment Fee: \$850 (\$500 for year one & \$350 for year two). Students keep the equipment. Elective.

Culinary Arts

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11-12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will earn ServeSafe Manager Industry Certification as well as a Yavapai College Culinary Arts Fundamentals Certificate. College credit awarded through Yavapai College. Elective.

Emergency Medical Services

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will earn CPR/AED/First Aid, Emergency Medical Technician Certifications. College credit is awarded by Yavapai College. Elective.

Fire Science

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will earn CPR/AED/First Aid, Arizona Firefighter 1 & 2, and Hazardous Materials Certifications. College credit is awarded by Yavapai College. Elective.

Heating, Ventilation, and Air Conditioning (HVAC)

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11-12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will earn YC HVAC Service Technician Certificate and 4 NCCER Industry Certifications in HVAC industry certifications upon program completion. College credit is awarded through Yavapai College. Elective.

Law Enforcement with Dispatch

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11-12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will earn CPR/AED/First Aid, APCO-Public Safety Telecommunications Dispatch, AZ PDA Security Guard industry certifications. College credit is awarded through Yavapai College. Elective.

Manufacturing/ CNC Operator

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11-12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will earn HAAS CNC Operator, CNC Tool Setter, CSWA, ISCET ESA 1 – Exam industry certifications upon completion and progress toward YC Associates Degree in Adv. Manufacturing in HVAC. College credit is awarded through Yavapai College. Elective.

Medical Assistant

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11-12

This is a dual-enrollment, VACTE Central Campus one- to two-year program. Students will earn CPR/AED/First Aid, Phlebotomy, and Medical Assistant certifications upon program completion. College credit is awarded through Yavapai College. Elective.

Phlebotomy

Credit: 1.0 / Semester

Prerequisite: Students must submit an application for enrollment.

Level: 12

This is a dual-enrollment, VACTE Central Campus one-semester program. Students earn Yavapai College Phlebotomy Certificate. College credits awarded through Yavapai College. Elective.

Plants & Horticulture

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 12

This is a dual-enrollment, VACTE Central Campus one-semester program. Students earn Pesticide industry certification and leads to AAS of Agriculture Technology and will apply toward the Production Horticulture Certificate from YC. College credits awarded through Yavapai College. Elective.

Pre-Engineering I & II

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11-12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will receive HAAS CNC Operator, CNC Tool Setter, ISCET Digital Electronic, FANUC Programmer & Operator, CAM Solid Works industry certifications and progress towards YC Associates Degree in Applied Pre-Engineering. College credit awarded through Yavapai College. Elective.

Teacher Training I & II

Credit: 2.0 / Year

Prerequisite: Students must submit an application for enrollment.

Level: 11-12

This is a dual-enrollment, VACTE Central Campus one-year program. Students will receive a Level 1 Finger Print Clearance Card, CPR/AED/First Aid Certification, as well as Arizona Paraprofessional Certification. College credit awarded through Yavapai College. Elective.

CAREER & TECHNICAL EDUCATION (High School)

On-Site

Coding

Credit: 1.0 / Year

Level: 9-12

This introductory Coding course presents the basic principles of programming, including algorithms and logic. Students will engage in various programming interactivities that will reinforce their learning and understanding. This course also guides students as they are asked to write and test their own code, just as programmers in the field do. The topics of the hands-on projects include: HTML Website Analysis, JavaScript, and Python. CTE Elective.

Criminal Justice I

Credit: 1.0 / Year

Level: 9-12

Criminal Justice I is an introductory course designed to familiarize students with all facets of the Criminal Justice System – police, courts, and corrections – in the United States today. The course provides a historical and philosophical overview of the American Criminal Justice System as well as specifically studying the organization and jurisdiction of local, state, and federal law enforcement agencies, the court systems, and corrections systems. The course will also look at and identify historical events that have influenced current trends in policing as well as the impact of advancements in technology and forensics to investigate crimes. CTE Elective.

Criminal Justice II

Credit: 1.0 / Year

Prerequisite: Successful completion of Criminal Justice I

Level: 10-12

Criminal Justice II is an in-depth study of all facets of the Criminal Justice System – police, courts, and corrections – in the United States today. The course will provide students with the opportunity to analyze the work of local, state, and federal law enforcement agencies, the court systems, and corrections systems. Throughout the course, students will have a chance to preview career opportunities within the Criminal Justice System and understand the qualifying requirements of those jobs. CTE Elective.

Photography I

Credit: 1.0 / Year

Level: 9-12

Photography class uses digital cameras as a tool for artistic expression. Visual communication, design analysis and photography's impact on our society is emphasized. Photography skills

introduced include manual camera controls, capturing light, movement, depth and camera angles. Photoshop software serves as a “digital darkroom”. Students take photographs at school and at home working as groups and individually. It is not necessary to own a camera to enroll. CTE Elective.

Photography II & III

Credit: 1.0 / Year

Prerequisite: Successful completion of Photo I/II

Level: 10-12

Photography class uses digital cameras as a tool for artistic expression. Visual communication, design analysis and photography’s impact on our society is emphasized. Photography skills include manual camera controls, capturing light, movement, depth and camera angles. Photoshop software serves as a “digital darkroom”. Students take photographs at school and at home working as groups and individually. It is not necessary to own a camera to enroll. CTE Elective.

Sports Medicine I

Credit: 1.0 / Year

Level: 9-12

Sports Medicine I is designed for students interested in the career of athletic training. The following topics will be taught: The Sports Medicine Team, organization and administration, injury prevention, physical training and conditioning techniques, nutritional considerations, protective sports equipment, psychology of sports injury/illness, mechanisms and characteristics of sports trauma, tissue response to injury, human anatomy, exercise physiology, biomechanics, kinesiology, CPR/bloodborne pathogens, injury assessment and evaluation, environmental concerns, basic taping and bandaging, explanations of therapeutic modalities, basic exercise rehabilitation, drug use/abuse in sports, and skin disorders. CTE Elective.

Sports Medicine II

Credit: 1.0 / Year

Prerequisite: Successful completion of Sports Medicine I with a C or better.

Level: 10-12

Sports Medicine II is designed to educate students interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other sports medicine fields. The main focus of this class is to introduce students to the science of human health and wellness. CTE Elective.

Sports Medicine III

Credit: 1.0 / Year

Prerequisite: Successful completion of Sports Medicine II with a C or better.

Level: 11-12

Sports Medicine III is designed to elevate students’ practical application of Sports Medicine concepts and skills through internship. In partnership with Northern Arizona Healthcare, students have access to clinical internship as well as intern experience with the school’s athletic teams. CTE Elective.

ENGLISH (High School)

AP English Language & Composition*

Weighted Credit: 1.0

Prerequisite: Grade of B or better in previous year’s English course

Level: 11-12

This is an introductory college-level composition course utilizing the curriculum provided by College Board. 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 write outside of class and in class. In-class essays are usually mirror the timed 40-minute essays required for the AP Test in May. *Students wishing to receive weighted credit for this course must take the AP English Language & Composition Exam in May; otherwise, standard credit will be given.* *Course is taught on a rotation and not available every school year.

AP English Literature & Composition*

Weighted Credit: 1.0

Prerequisite: Grade of B or better in English

Level: 11-12

This full-year course meets the rigorous expectations for Advanced Placement as prescribed by College Board. It is a college level literature and writing course. Students will read a variety of novels, novellas, excerpts, and poetry that are deemed “literary merit.” These works range from *Metamorphosis* to *The Picture of Dorian Gray*. Literary units can vary from year to year, though the focus is always on exegesis and analysis. Students write outside of class and in class. In-class essays are usually mirror the timed 40-minute essays required for the AP Test in May. *Students wishing to receive weighted credit for this course must take the AP English Literature & Composition Exam in May; otherwise, standard credit will be given.* *Course is taught on a rotation and not available every school year.

English 9

Credit: 1.0

Level: 9

English 9 includes the study of various forms of literature; the essay, the short story, the novel, drama, poetry. Improvement of reading technique is a regularly scheduled activity. The student writing assignment is the natural outgrowth of student experience. Paperback copies of a novel and a non-fiction work are used as common reading material in addition to a standard anthology. Required.

English 10

Credit: 1.0

Level: 10

English 10 engages students in the rigorous study of multiple genres of complex texts. Students will be analyzing author’s purpose, thematic content, and stylistic components encountered in their reading. Using critical reasoning, students will produce written assignments that synthesize multiple texts. Paperback copies of a novel and a non-fiction work are used as common reading material in addition to a standard anthology. Required.

English 11

Credit: 1.0

Level: 11

This course is concerned with preparation for proficiency in the State of Arizona College & Career Standards as well as SAT and ACT College Entrance Exams. Reading, writing, speaking, and listening activities are generated from the American literature covered through a variety of complex texts and resources. Content will be explored through novel, non-fictional texts, and the course anthology. Required.

English 12

Credit: 1.0

Level: 12

English 12 focuses on three key areas: public speaking, reading, and writing. These key areas are addressed through the study of mass media, literature, non-fiction works, and the course anthology. Through this course, students will investigate the theme “Search for Self.” Students will begin with *Siddhartha* as a launching point for this thematic search. Students will engage

with a variety of authors, both American and World. Non-fiction or informational texts are layered within each novel unit. For example, *Into the Wild*, and *Walden's Pond* are both studied during the *Siddhartha* unit. There is at least one Shakespeare play, *Hamlet*, which will be studied as well. Students will write a minimum of eight essays, both in class and outside of class and with the use of technology. There are several oral presentations throughout the units assigned, from short reports to more formal speeches. Required.

Pre-AP English 9

Credit: 1.0

Level: 9

This course is specifically designed to introduce high-achieving, motivated students to content and learning activities that will prepare them for an advanced course of study through future college-level courses. Students will be expected to engage in rigorous analysis of complex texts and a variety of informal and formal writing assignments. Students will evaluate author's purpose and effectively communicate positions and arguments through the use of evidence. Students can expect to read both in and outside of class.

Pre-AP English 10

Credit: 1.0

Level: 10

This course is specifically designed for high-achieving, motivated students to engage in content and learning activities that will prepare them for future college-level courses. Students will be expected to engage in rigorous analysis of complex texts and a variety of informal and formal writing assignments. Students will evaluate author's purpose and effectively communicate positions and arguments through the use of evidence. Students can expect to read both in and outside of class.

English Language Development

Credit: 1.0

Prerequisite: Language Acquisition Assessment Data (AZELLA)

Level: 9-12

This Structured English Immersion course will focus on reading, writing, listening, and speaking English language acquisition. Reading instruction will focus on decoding, fluency, vocabulary, and comprehension. Writing instruction will emphasize using proper structure and grammar to for effective communication. The class will include direct instruction, small group instruction, and modeling of effective academic practices/strategies. Working independently and collaboratively with peers, students will engage in a variety of learning activities. Students will be assessed and evaluated throughout the year to monitor progress.

FOREIGN LANGUAGE (High School)

American Sign Language (ASL) I

Credit: 1.0

Level: 9-12

This course introduces students to the language and culture of Deaf people in the United States. The course will focus on specific language and cultural behaviors, as well as introduce students to the grammar of ASL. Both expressive and receptive skills of students will be the focus of the course, with a major emphasis placed on receptive skills. Students will participate extensively in interactive classroom activities using the "Voices Off" Policy to ensure ASL immersion. (A minimum of one year of foreign language is required for graduation.)

Spanish I

Credit: 1.0

Level: 9-12

In Spanish I, students establish and build a foundation for communicating using basic grammar, verbs, essential vocabulary, and useful expressions. Students build on thematic vocabulary and basic verbs and gain the skills necessary to greet one another and talk about topics such as weather, favorite activities, foods, and many other common themes. Grammatical structures presented in Level 1 include the present tense of regular and irregular verbs, articles, nouns, and adjectives and how they function in the language. Various skits, plays, and video projects will be assigned throughout the year. Students will also complete brief studies on Hispanic culture and Geography. (A minimum of one year of foreign language is required for graduation.)

Spanish II

Credit: 1.0

Prerequisite: Spanish I or demonstrated proficiency in foundational Spanish Language

Level: 9-12

Spanish II students continually build on concepts through the four language learning components of reading, writing, listening (comprehension), and speaking. This is done with a wide variety of activities using essential vocabulary, expanded verb and adjective use, and student interaction in the target language. Students are expected to actively speak and practice the language daily. At this level, students will discuss and write about events in the present and past tense. Extensive thematic vocabulary units will be used and students will develop an increased ability to talk about activities and topics including travel, foods, restaurants, outdoors, shopping, etc. Students will use Spanish in context in skits, videos, and partner work.

Spanish III / IV

Credit: 1.0

Prerequisite: Spanish II or demonstrated proficiency in intermediate Spanish Language.

Level: 10-12

Spanish III/IV students learn advanced grammatical structures and improve their written and oral proficiency skills. At this level, there is an increased focus on literature, short stories, poetry, history, and culture. Extensive vocabulary is presented throughout the year. Students will learn more verb tenses including future, conditional, present, and past perfect, subjunctive, and commands. The focus will be on conversational quality, writing, and reading for comprehension. This course is beneficial for native Spanish speakers seeking to perfect academic and formal Spanish fluency to promote bilingualism. It is also designed to prepare students for upper levels of Spanish or continuation in college. Students at this level may elect to take the Advanced Placement Spanish Exam in May.

HISTORY (High School)

AP U.S. Government & Politics*

Weighted Credit: 1.0

Prerequisite: Grade of B or better in World History

Level: 11-12

AP U.S. Government and Politics is a college-level study of the key concepts and institutions of the political system and culture of the United States. Students will read, analyze, and discuss the U.S. Constitution and other documents as well as complete a research or applied civics project. It is the equivalent of an entry level college course in Government. *Students wishing to receive weighted credit for this course must take the AP US Government & Politics Exam in May; otherwise, standard credit will be given.* *This course is taught on a rotation and is not available every year.

AP Human Geography****Weighted Credit: 1.0***

Prerequisite: Grade of B or better in English

Level: 9-12

AP Human Geography is a college-level systematic study paralleling the expectations of a college introductory geography course. It aims to further students' exposure to the basic concepts of human geography. The course develops students' ability to ask geography questions; acquire, organize, and analyze geographic information; and answer geographic questions. This course will also introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. *Students wishing to receive weighted credit for this course must take the AP Human Geography Exam in May; otherwise, standard credit will be given.* *This course is taught on a rotation and is not available every year.

AP US History****Weighted Credit: 1.0***

Prerequisite: World History and a grade of B or better in English 9/10.

Level: 10-12

This college-level course is designed to be the equivalent of a two-semester introductory college or university U.S. History course. Students will investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course adheres to the rigorous standards prescribed by College Board for Advanced Placement US History. *Students wishing to receive weighted credit for this course must take the AP US History Exam in May; otherwise, standard credit will be given.* *This course is taught on a rotation and is not available every year.

AP World History****Weighted Credit: 1.0***

Prerequisite: Grade of B or better in English 9/10.

Level: 9-12

AP World History is designed to be the equivalent of a two-semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C.E. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. This course adheres to the rigorous standards prescribed by the College Board for Advanced Placement World History. *Students wishing to receive weighted credit for this course must take the AP World History Exam in May; otherwise, standard credit will be given.* *This course is taught on a rotation and is not available every year.

Economics***Credit: 0.5***

Level: 11-12

This course provides a one-semester study of Economics in which students learn the fundamental concepts of micro-, macro-, and international economics and apply them in intellectually and engaging ways. Using text, as well as various current events, tables, graphs, and statistics, and

other data, students will gain a general understanding of economics and economic philosophy that will enable them to assess and evaluate the U.S. economy and their personal finance more successfully. Essay writing, critical thinking, active reading, and note taking will be emphasized as important means for fully participating in class. Economics is taken in conjunction with Government. Required.

Government

Credit: 0.5

Level: 11-12

This course is a one-semester source of civic literacy and will survey the principles, philosophies, practices, and institutions that comprise the United States system of government and law. Students are expected to apply knowledge gained in previous social studies courses to pursue deeper understanding of American government. Contemporary issues will frame conversations about the Constitution, the courts, legislative and executive branches, federalism, and a review of major political philosophies around the world. Emphasis is also given to the dynamics of political decision-making and the degree to which citizens participate in political processes. Government is taken in conjunction with Economics. Required.

US History

Credit: 1.0

Level: 10-12

U.S. History explores the history and economic development of the United States. The course focuses on the following periods: Early Civilizations, Reconstruction, Industrial Age, and Modern America, including world affairs. Students will engage in analysis of the way historical events have shaped contemporary society. Required.

World History

Credit: 1.0

Level: 9-12

This course is designed for the student to complete a general study of world history ranging from 1492 to the present, including the Enlightenment, revolutions, imperialism, international conflicts, and modern globalization. Students will focus on the growth of colonial powers through their political, economic, and social influence over the colonized peoples. These topics will be studied through the use of key chapters in the textbook, class discussions, projects, and other resources. Students will also engage in the study of global trends. Additionally, students will be introduced to concepts that will allow them to have a greater understanding of financial literacy through outlining the relationship between foreign debt and international power, philosophical foundations of citizenship and economic policy, financial problems of post-World War I Europe, and other issues relating to fiscal responsibility. Required.

MATHEMATICS (High School)

Algebra I

Credit: 1.0

Level: 8-12

The major emphasis of Algebra I is on the fundamental skills of algebraic reasoning and computation and the various strategies that can be applied to solving mathematical problems. Students will work toward proficiency in the State of Arizona College & Career Ready Standards and will be required to take the End of Course Test. The TI-84 graphing calculator is required. Required.

Algebra II

Credit: 1.0

Prerequisite: Algebra I and Geometry

Level: 10-12

Algebra II will focus on the following major topics: operations with radicals, negative and fractional exponents and complex numbers; solving absolute value, radical, exponential and logarithmic equations; sequences, series and functions; graphing of circles, conic sections, matrices, polynomials, exponential and logarithmic functions; trigonometric functions, special right triangles, laws of sines and cosines; arc length and radian measure; statistics including normal distribution, regression analysis, theoretical and empirical probabilities and binomial probability. Students will work toward proficiency in the State of Arizona College & Career Ready Standards and will be required to take the End of Course Test. The TI-84 graphing calculator is required for this course. Required.

AP Calculus AB*

Weighted Credit: 1.0

Prerequisite: Minimum grade of B or better in Algebra II and teacher recommendation

Level: 12

AP Calculus AB is a college level course with a main emphasis on an intuitive understanding of the concepts of differential and integral calculus. The study of differential calculus includes: rules for derivatives of basic functions including exponential, logarithmic, trigonometric, and inverse trig functions; sum, product, and quotient rule; chain rule; and implicit differentiation. Applications of the derivative covered include: slope of a curve; tangent & normal lines, corresponding characteristics of graphs of f , f' and maximum and minimum; concavity; velocity & acceleration; optimization & related rates; and slope fields. The study of integral calculus includes: Riemann sums, approximation of trapezoidal rule, fundamental theorem of calculus, anti-derivatives of basic functions, integration by substitution. The TI-84 graphing calculator is required for this course. *Students wishing to receive weighted credit for this course must take the AP Calculus AB Exam in May; otherwise, standard credit will be given.* *This course is taught on a rotation and is not available every year.

Financial Math

Credit: 1.0

Prerequisite: Algebra II

Level: 11-12

Using an innovative curriculum, FiCycle, Financial Math integrates an introduction to key financial concepts through standards-aligned, rigorous math instruction necessary to become financially responsible. Students in Financial Math will apply the skills learned in Algebra II to solve real-world financial problems, including budgets, investments, interest payments, employment, credit, taxes, automobile ownership, and life expenses.

Geometry

Credit: 1.0

Prerequisite: Algebra I

Level: 9-12

The Geometry course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students will be required to use different technological tools and manipulatives to discover and explain course content. Required.

Pre-Algebra***Credit: 1.0***

Level: 9-10

The Pre-Algebra course is an introduction to basic algebra concepts and a review of arithmetic algorithms. The course emphasizes the concepts necessary to be successful in Algebra I.

The course helps students develop good mathematical study skills and learning strategies. **This course is not available every year.*

Trigonometry / Pre-Calculus***Credit: 1.0***

Prerequisite: Algebra II

Level: 11-12

Trigonometry/Pre-Calculus weaves together previous study of algebra, geometry, and mathematical functions into a preparatory course for Calculus. The course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. It includes fundamental concepts of Algebra, functions and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, topics in trigonometry, systems of equations and inequalities, matrices and determinants, conic sections and analytic geometry, sequences, induction, probability, and an introduction to Calculus.

MUSIC (High School)***Advanced Orchestra******Credit: 1.0***

Prerequisites: Successful completion of Beginning Orchestra or demonstrated proficiency/skill
Grade Level: 9-12

Advanced Orchestra is a non-auditioned, string orchestra class. Students in the class will be expected to participate in multiple high-level concert performances, in-school and out-of-school. Orchestral repertoire is of the highest caliber, and mastery of advanced orchestra technique will be evident. Areas of refinement consist of advanced techniques including, but not limited to: Ensemble and solo activities designed to develop all elements of musicianship. Experiences include, but are not limited to, improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students are also provided with opportunities to experience professional live performances during and outside of the school day that support and extend learning in the classroom.

Beginning / Intermediate Orchestra***Credit: 1.0***

Level: 6-12

Beginning Orchestra is an introductory string orchestra class. This course provides students with the foundational skills to care for and play a string instrument as well as the ability to read sheet music. Students will also have the opportunity to build upon the foundational skills to gain confidence and mastery of instrumental performance. There are many performance opportunities through in-school and out-of-school concerts. Students are also provided with opportunities to experience professional live performances during and outside of the school day that support and extend learning in the classroom. **Middle school students will not earn high school credit for this course.*

PHYSICAL EDUCATION (High School)

Physical Education

Credit: 1.0

Level: 9-12

Physical Education allows students to experience various workout routines, weight training, cardiovascular workouts. Students learn the rules and playing strategies of various athletic activities and participate in educational activities to help them achieve various health, fitness, and athletic goals. Students will also benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Students are required to change into appropriate athletic clothing for class every day.

Unified Physical Education

Credit: 1.0

Level: 6-12

This course provides opportunities for our students with and without disabilities to work together in preparation for competition in Unified Special Olympics (a variety of sports, including bocce, basketball, softball, track and field, etc.). General education students learn to be Unified Partners to provide support and encouragement for their peers with disabilities. This course has limited availability. Students without disabilities who enroll will earn standard PE credit for the course.

SCIENCE (High School)

AP Biology*

Weighted Credit: 1.0

Prerequisites: Successful Completion of Biology or Chemistry

Level: 10-12

Advanced Placement Biology is offered on a bi-annual rotation. Students who take AP Biology will develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Biology is equivalent to a two-semester college biology course and meets the standards set by College Board. *Students wishing to receive weighted credit for this course must take the AP Biology Exam in May; otherwise, standard credit will be given.* *This course is taught on a rotation and is not available every year.

AP Environmental Science*

Weighted Credit: 1.0

Prerequisites: Successful Completion of English 9 with a B or better

Level: 10-12

In AP Environmental Science, students will explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. Students will take part in laboratory investigations and field work. *Students wishing to receive weighted credit for this course must take the AP Environmental Science Exam in May; otherwise, standard credit will be given.* *This course is taught on a rotation and is not available every year.

Biology

Credit: 1.0

Level: 9-12

This is an interactive course covering all aspects of our living environment. Some topics included are biochemistry, comparisons among organisms, investigation of cell structure and function, processes involved in reproduction and genetics, evidence of evolutionary change and

an examination of the life functions necessary for plants and animals to maintain their equilibrium. This course includes a hands-on laboratory component where the concepts learned in class are demonstrated and analyzed using the scientific method. The labs include an extensive writing component and may require some research.

Chemistry

Credit: 1.0

Prerequisites: Algebra I with a B or better or successful completion of Algebra II

Level: 10-12

Chemistry is the study of matter and energy and their interactions. The curriculum is real-world based, designed by the American Chemical Society. Topics include composition and properties of matter (elements, atoms, compounds, and molecules), types of chemical reactions, conservation of matter, chemical equations, the Periodic Table, nuclear chemistry, atomic structure, bonding, energy, organic chemistry, solutions, concentration, acids and bases, and environmental contamination. Students will work both individually and in groups. Laboratory work will be included for each unit.

Earth Science

Credit: 1.0

Level: 9-12

Earth Science is the hands-on, inquiry-based study of the Earth's systems and how they interact with one another. General scientific concepts of measurement, error analysis, graphing, laboratory procedures, and communication will be reviewed. Specific course topics include mapping, landforms, energy, plate tectonics, volcanoes and earthquakes, rocks and minerals, weathering, erosion and deposition, water, biogeochemical cycles, weather and climate, geological history, and astronomy.

Environmental Biology*

Credit: 1.0

Level: 10-12

Environmental Biology examines the complexity of relationships found throughout the natural environment. The impact of plant and animal production practices on the environment and the adoption of practices leading to improved air, land, and water quality are investigated. Students will analyze past and current human interaction with the environment. Topic clusters in this course include an introduction to environmental science and natural resources; ecology; geographical populations, soil, and water conservation; mineral and energy resources; and agricultural and environmental policy. *Course is taught on a rotation and is not available every year.

Physics

Credit: 1.0

Level: 11-12

Physics is a higher level, laboratory-based course designed to have students build their scientific literacy by demonstrating proficiency in matter and energy: how they relate to one another and how they affect each other over time and through space. Students will learn valuable science and engineering skills applicable to topics including scientific methodology, forces and motion, types of interactions, energy and waves, and electricity and magnetism. Students will experiment, collect data, and draw conclusions based on that data. Students will also make connections between concepts and apply their understanding through inquiries that require them to answer innovative and real-world physics questions.