

Rockwell Charter High School



**Course Catalog and
Descriptions
2011—2012**

TABLE OF CONTENTS

| | | | |
|---|---|---------------------------------------|----|
| Table of Contents | 1 | Fine Arts..... | 8 |
| Academic Requirements | 2 | High School Courses..... | 10 |
| Middle School Achievement and Advancement Requirements | 2 | English..... | 10 |
| High School Graduation Requirements | 3 | Math | 11 |
| Admission Requirements for Utah Colleges and Universities..... | 4 | Science | 13 |
| Course Code Key | 4 | Social Studies | 15 |
| How To Read The Course Descriptions..... | 5 | Foreign Language..... | 17 |
| Course Descriptions | 6 | Directed Coursework | 19 |
| Middle School Classes | 6 | Fine Arts..... | 20 |
| Language Arts | 6 | Career Technology Education..... | 23 |
| Math | 6 | Physical Education/Health | 24 |
| Science | 7 | General Electives | 26 |
| Social Studies | 7 | Released Time..... | 27 |
| CTE | 8 | Resource..... | 27 |
| Physical Education/Health | 8 | Concurrent Enrollment..... | 29 |
| | | Distance Learning Through EdNet | 29 |
| | | Off-Campus Technology Programs | 31 |

ACADEMIC REQUIREMENTS

MIDDLE SCHOOL ACHIEVEMENT AND ADVANCEMENT REQUIREMENTS

Rockwell Charter High School believes in high academic achievement for all of its students. Consequently, Rockwell Charter High School offers a Certificate of Achievement and Advancement for 8th Grade students who have demonstrated high academic standards and a commitment to excellence. Students who fulfill the following requirements in the 7th and 8th grade will receive a Certificate of Achievement and Advancement from RCHS.

2.0 Credits Language Arts

1.0 credit English 7

1.0 credit English 8

2.0 Credits Math

2.0 credits from Math 7, Pre-Algebra, Algebra I, or Geometry.

2.0 Credits Science

1.0 Integrated Science 7

1.0 Earth Science 8

1.5 Credits Social Studies

0.5 credit Utah History

1.0 credit US History

3.0 Credits Directed Coursework

0.5 credit Fine Arts

0.5 credit Computers Arts

0.5 credit 7th Grade Physical Education

0.5 credit Dramatic Arts

0.5 credit Health

3.5 Credit Electives

0.5 credit CTE Elective

0.5 credit General Elective

Total 14.0 Credits

HIGH SCHOOL GRADUATION REQUIREMENTS

In order to receive a diploma from Rockwell Charter High School, students must earn a total of 24.0 credits in the following categories:

4.0 Credits ENGLISH

1.0 credit English 9
1.0 credit English 10
1.0 credit English 11
1.0 credit Advanced or Applied English Elective, which focuses on Literature and Writing Composition

3.0 Credits MATH

1.0 credit Algebra I
1.0 credit Geometry
1.0 credit Advanced or Applied Math Elective

3.0 Credits SCIENCE

Students must earn 2.0 credits from two of the four following Science Foundation Courses: Pre-AP Science, Biology, Chemistry, or Physics.
1.0 credit Advanced or Applied Science Elective

3.0 Credits SOCIAL STUDIES

1.0 credit World Geography and World Civilization
1.0 credit United States History
0.5 credit U.S. Government
0.5 credit Social Studies Elective

2.0 Credits FOREIGN LANGUAGE*

2.0 credits from a qualifying Foreign Language course

3.5 Credits DIRECTED COURSEWORK

0.5 credit Financial Literacy

0.5 credit Computer Technology
1.5 credits Arts
1.0 credits CTE

2.0 Credits HEALTH/PHYSICAL EDUCATION

0.5 credit Health
0.5 credit PE Life Skills
0.5 credit PE Participation
0.5 credit Fitness for Life

3.5 credits GENERAL ELECTIVES

Students must earn 3.5 credits from RCHS's General Electives.

Total: 24.0 Credits (note: this requirement will change to 25.0 Credits effective for the 2011-2012 sophomore class with the addition of one semester of ACT/SAT Prep and one semester of College Prep Skills).

Additional Requirements:

*Student has taken the ACT

*Completion of RCHS Senior Project

*Note: Students who transfer into RCHS for their 11th Grade or later, or have attended Rockwell prior to the Graduation Requirement changes, may apply to the RCHS Administration for a waiver or modification of RCHS specific graduation requirements.

ADMISSION REQUIREMENTS FOR UTAH COLLEGES AND UNIVERSITIES

The University of Utah and Utah State University require (other colleges/universities strongly recommend) the following courses for admission:

4.0 Credits English (emphasizing composition/literature: English 9, English 10, English 11, English 12, or English AP)

3.0 Credits Math (4 years are encouraged) selected from Elementary Algebra, Geometry, Intermediate Algebra, Pre-calculus, or Calculus. Students are strongly encouraged to take at least through Pre-calculus.

3.0 Credits Science Core (selected from 3 of the following 4 areas: Earth Systems; Biology; Chemistry; Physics)

2.0 Credits Foreign Language (Same language) Required by University of Utah only, recommended by all other colleges.

1.0 Credit United States History

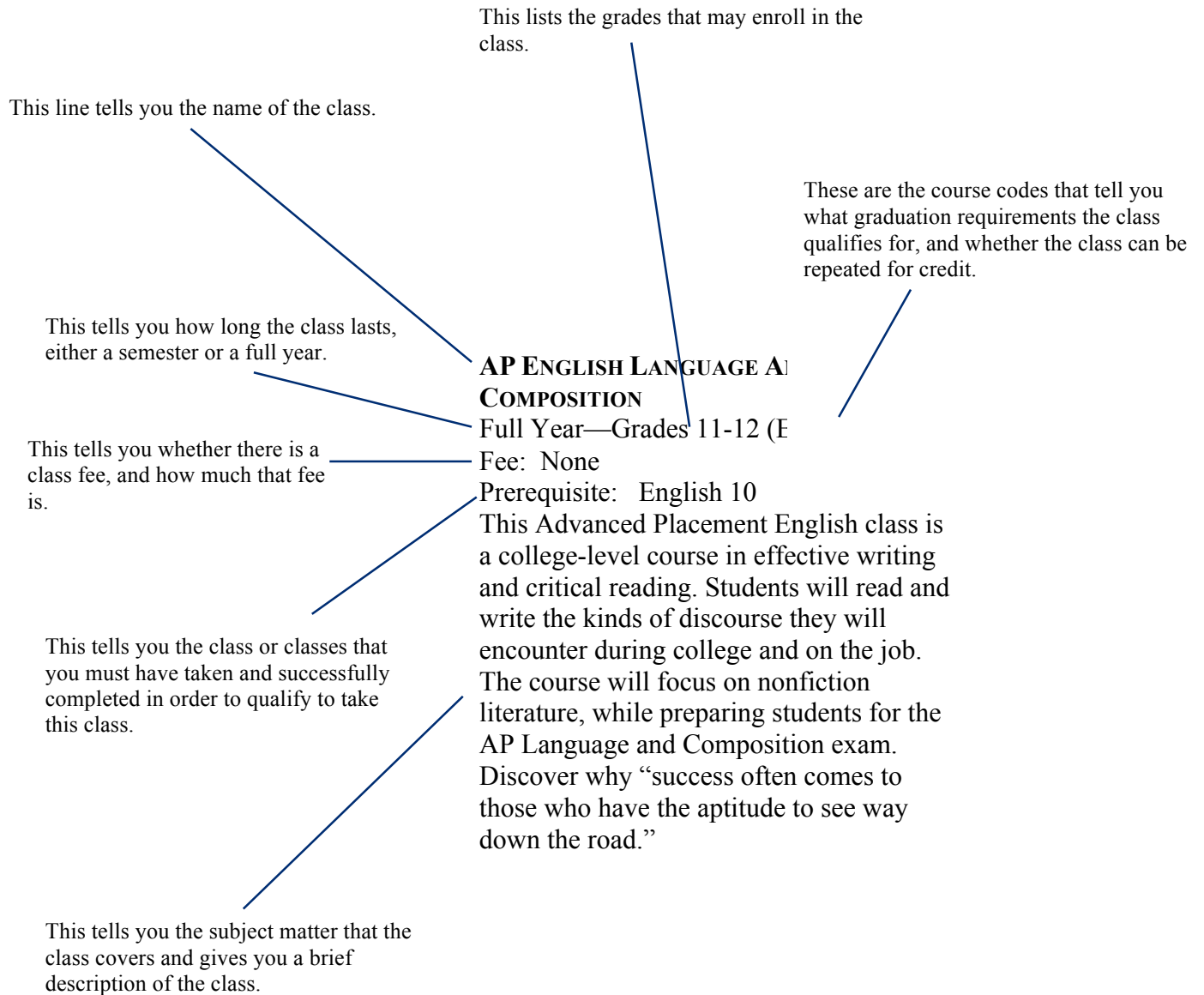
4.0 Credits Additional Courses (Selected from at least two groups: English, History, Math beyond Algebra 2, Foreign Language, Lab Science, Social Science, Fine Arts.)

COURSE CODE KEY

| | |
|--------------------------------------|--|
| (AE) Arts Elective | (PEP) PE Participation |
| (CTE) Career and Technology Elective | (R) Required For Graduation |
| (EAd) Advanced English | (RP) Repeatable Course (course may be repeated for graduation) |
| (EAp) Applied English | (SAd) Advanced Science |
| (EC) English Core | (SAp) Applied Science |
| (FL) Foreign Language | (SC) Science Core |
| (GE) General Elective | (SS) Social Studies Core |
| (MAd) Advanced Math | (SSE) Social Studies Elective |
| (MAp) Applied Math | |
| (MC) Math Core | |

These course codes are used to inform you about which graduation requirements individual classes qualify for. In addition, these codes tell you whether a class may be repeated for credit.

HOW TO READ THE COURSE DESCRIPTIONS



COURSE DESCRIPTIONS

MIDDLE SCHOOL CLASSES

LANGUAGE ARTS

LANGUAGE ARTS 7 (ENGLISH 7)

Full Year—Grade 7 (R)

This course develops language skills in four areas: reading, writing, speaking, and presentation skills. Students will read both fiction and non-fiction and write in a variety of genres. Skills will be taught in connection with writing.

LANGUAGE ARTS 8 (ENGLISH 8)

Full Year—Grade 8 (R)

This course develops language skills in four areas: reading, writing, speaking, and presentation skills. Students will read both fiction and non-fiction and write in a variety of genres. Skills will be taught in connection with writing.

CREATIVE WRITING 7/8

Semester—Grades 7-8 (GE)

The purpose of this class is to familiarize beginning writers with the skills necessary to become interesting and readable writers. This class will focus on the basics of not only creative writing, but writing in general: literary terms, learning, identifying, and using the Six Traits of Writing. We will read and write material that displays good writing. The material covered will be primarily poetry and fiction and the beginning levels.

MATH

MATH 7

Full Year—Grade 7 (MC)

This course is provided for students requiring additional experience in developing conceptual understanding and building mathematical skills. Math 7 meets the needs of those students who are not ready to move on to Pre-Algebra, by focusing on computation and estimation with rational numbers and introducing to proportional reasoning and linear relationships. Students in Math 7 will review and extend knowledge obtained in sixth grade mathematics by conjecturing, verifying, thinking critically, and applying mathematical concepts. While mathematics skills will be strengthened, teaching will develop understanding of concepts in-depth and enable students to make meaningful connections in life.

PRE-ALGEBRA

Full Year—Grades 7-8 (MC)

Pre-Algebra is a bridge between arithmetic and algebra. Students will study number systems and number theory and select appropriate methods for numerical computation including paper and pencil methods, estimation, and calculators. They will be introduced to the language of algebra and they will use technology and manipulatives to explore abstract algebra concepts informally. Students will develop problem-solving for modeling real-world problem situations.

ALGEBRA I

Full Year—Grades 7-8 (MC)

Prerequisite: Pre-Algebra

The main goal of Algebra is to develop fluency in working with linear equations. Students will extend their experiences with tables, graphs, and equations and solve linear equations and inequalities and systems of linear equations and inequalities. Students will extend their knowledge of the number system to include irrational numbers. Students will generate equivalent expressions and use formulas. Students will simplify polynomials and begin to study quadratic relationships. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences.

Topics from physical, earth, and life science are integrated to help students develop an understanding of interactions and interdependence within and between such earth systems as matter cycles, energy flows, and life webs. Hands-on inquiry-based instruction is used to help student's value science as a process for obtaining knowledge based on observable evidence.

INTRODUCTION TO ASTRONOMY

Semester—Grads 7-8 (GE)

This course offers the hierarchy of the universe, stars, planets, moons/satellites, the sun, and patterns in space. Each unit offers a variety of investigative, exploratory and cooperative lessons that engage students in becoming active learners. The lessons incorporated within this course are designed to allow students to become involved in scientific inquiry and discovery. Through incorporating a variety of reading strategies, students will apply scientific concepts to real-life situations.

SCIENCE

INTEGRATED SCIENCE 7

Full Year—Grade 7 (R)

Topics from physical, earth, and life science are integrated in this course to illustrate the nature of "structure" as a property that is common to all sciences. Students observe that all substances are made of smaller parts and are themselves part of larger wholes, and that when parts come together the whole often has properties that are very different from its parts. Hands-on, inquiry-based instruction is used to help student's value science as a process for obtaining knowledge based on observable evidence.

EARTH SYSTEMS (SCIENCE 8)

Full Year—Grade 8 (R)

Earth systems is an integrated science course which focuses on the theme of "systems."

SOCIAL STUDIES

UTAH HISTORY

Semester—Grade 7 (R)

Students will be introduced to the significant events, people, cultures, and issues that have influenced Utah from its earliest beginnings through the present day. The first focus is devoted to history and events leading up to 1847 including Native Americans, Spanish, mountain men, explorers, Mormon influences, and the westward movement. The second focus includes conflicts that led to statehood and the integration of Utah into the nation including the early development of mining, railroad, industry, and agriculture, the move from territory to statehood and the new century, structure of state and local government, and the progressive period. The third focus will be on events leading to the present, including World War I, the Nineteen

Twenties, Great Depression, World War II, post-war Utah, modern Utah, and local issues.

US HISTORY I (HISTORY 8)

Full Year—Grade 8 (R)

This United States History course is designed to emphasize historic events from the age of exploration to reconstruction and the western movements. Topics covered will include, but are not limited to, the age of exploration, colonization, Revolutionary War, national period, constitutional issues, Civil War, reconstruction, and the western movement. The emphasis of this course is on the 18th and 19th centuries. There will be a continued effort to review and develop content, process, and thinking skills introduced in previous grades.

CTE

COMPUTERS 7

Semester—Grade 7 (R)

This course is part of a year-long course where students will divide the time between computers, art, and drama.

In this beginning semester keyboarding course, the student will master touch operation of a computer keyboard. Correct techniques including fingering, key strokes, posture, and the development of speed and accuracy will be stressed. The student will learn to format simple reports, personal and business letters, and tables. The acquisition of business communication skills will be integrated throughout the course. Class fee required.

FAMILY AND CONSUMER SCIENCES 1

Semester—Grades 7-8 (GE)

This course is designed for students who are interested in understanding the principles of nutrition and maintaining a healthy level of fitness for life. Attention will be given to the selections and preparation of food and personal health and well-being. Recipe Math

and basic measuring and cooking skills are taught.

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION 7

Semester—Grade 7 (R)

This course emphasizes beginning fitness and beginning team sports activities. An appreciation for activities in relation to physical well-being is stressed. A continual fitness development program with testing is also included in the course.

PHYSICAL EDUCATION 8

Semester—Grade 8 (R)

This course emphasizes beginning fitness and . An appreciation for activities in relation to physical well-being is stressed. A continual fitness development program with testing is also included in the course.

HEALTH 8

Semester—Grade 8 (R)

This course acquaints students with body functions and the problems that might disrupt normal processes. It also helps students develop wise practices and habits that will assure them of sound mental, social and physical health.

FINE ARTS

ART FOUNDATIONS I (7/8)

Semester—Grades 7-8 (AE)

This class is a basic introductory art class emphasizing drawing skills. However it is also designed for experienced artists interested in learning a range of art mediums. Topics will include: color theory, elements and principals of art, collage, drawing methods with pencil, pastels and chalk, painting methods using watercolors and acrylic, printmaking, sculpture, art criticism, and general art history. At least two research assignments will also be completed.

DRAWING I

Semester—Grade 7 (AE)

This course is part of a year-long course where students will divide the time between computers, art, and drama.

Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks, and imagination. This class includes studies in figure and face drawing. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

JAZZ BAND

Full Year—Grades 7-8 (AE) (RP)

This band is entry level performance group. Membership is open to anyone desiring to perform on a woodwind or brass instrument—no audition is required. The band will perform at the Fall, Winter, Christmas, and Spring concerts. Weekly after school sectionals may be required. Other fees may apply.

DRAMA I

Semester—Grade 8 (AE)

This course introduces the student to the beginning elements of theatre and performance with emphasis on self-improvement in performance and public communication. Mime, oral interpretation, seeing and monologue study are taught along

with production criticism, and dramatic and comedic literature. The student will study audition techniques, seeing performance, cinema appreciation and criticism, and an introduction to acting

CHORUS

Full Year—Grades 7-8 (AE) (RP)

This class, for boys and girls, is designed for both beginning and intermediate students. The chorus performs 4-6 times during the school year. Attendance at dress rehearsal and concerts is mandatory.

INTRODUCTION TO DRAMA

Semester—Grade 7 (AE)

This course is part of a year-long course where students will divide the time between computers, art, and drama.

This course introduces the student to the beginning elements of theatre and performance with emphasis on self-improvement in performance and public communication. Mime, oral interpretation, seeing and monologue study are taught along with production criticism, and dramatic and comedic literature. The student will study audition techniques, seeing performance, cinema appreciation and criticism, and an introduction to acting.

HIGH SCHOOL COURSES

ENGLISH

CREATIVE WRITING

Semester—Grades 9-12 (EAp) (RP)

Fee: None

Prerequisite: None

The purpose of this class is to familiarize beginning writers with the skills necessary to become interesting and readable writers. This class will focus on the basics of not only creative writing, but writing in general: literary terms, learning, identifying, and using the Six Traits of Writing. We will read and write material that displays good writing. The material covered will be primarily poetry and fiction and the beginning levels.

DEBATE

Full Year—Grades 9-12 (EAp) (RP)

Fee: \$50.00

Prerequisite: None

Students will learn the fundamentals of public speaking. An emphasis will be placed on the discussion of current events. Speaking areas will include Lincoln-Douglas debate, speeches to inform, persuade and entertain. Students will also learn Student Congress, impromptu speaking, panel discussions and a variety of other forms of public address. Interested students may choose to participate in interschool speaking competition.

ENGLISH 9

Full Year—Grade 9 (EC)

Fee: None

Prerequisite: None

This course develops language skills in four areas: reading, writing, speaking, and

presentation skills. Students will read both fiction and non-fiction and write in a variety of genres. Skills will be taught in connection with writing.

ENGLISH 10

Full Year—Grade 10 (EC)

Fee: None

Prerequisite: English 9

Students will begin a more intensive emphasis on the writing process in the informational and functional areas as well as continued development of listening, viewing and speaking skills. Students will study all genres in American literature, reading classic as well as modern American authors.

ENGLISH 11

Full Year—Grade 11 (EC)

Fee: None

Prerequisite: English 10

Students read, write, listen to and view from functional, informational and literary texts from different periods, cultures and genres in world literature. Students will also add to their presenting and speaking skills through group and individual practice.

ENGLISH 12

Full Year—Grade 12 (EAd)

Fee: None

Prerequisite: English 11 or AP English

The class is designed to review and supplement previously taught writing skills, mechanical skills, and usage problems. The reading, which will include modern novels, is broad-based.

AP ENGLISH LANGUAGE AND COMPOSITION

Full Year—Grades 11-12 (EAd) (EC)

Fee: AP Test fee if taken.

Prerequisite: English 10

This Advanced Placement English class is a college-level course in effective writing and critical reading. Students will read and write the kinds of discourse they will encounter during college and on the job. The course will focus on nonfiction literature, while preparing students for the AP Language and Composition exam. Discover why “success often comes to those who have the aptitude to see way down the road.”

AP ENGLISH LITERATURE AND COMPOSITION

Full Year—Grades 11-12 (EAd) (EC)

Fee: AP Test fee if taken.

Prerequisite: English 10

This course engages students in the careful reading and critical analysis of imaginative literature. Through close reading of selected literary works, students deepen their understanding and enhance their pleasure in literature. They develop critical standards for interpreting the effects writers create by means of the artful manipulation of language. To achieve these goals, students study individual works, their characters, action, structure, and language. They consider both large-scale literary elements such as form and theme, and smaller-scale elements such as figurative language, imagery, symbolism, and tone. Students analyze these and other aspects of literature in their need to derive meaning from their experience of reading. Students consider literary works in their historical context and in relation to their own lives and experience as well.

FILM & LITERATURE

Semester—Grades 9-12 (EAd)

Fee: None

Prerequisite: None

Students explore the development of motion picture art form from the silent era to

modern films. Essays, reports, and critical analysis of films are included.

JOURNALISM/NEWSPAPER

Semester—Grades 9-12 (EAd) (RP)

Fee: None

Prerequisite: Instructor Approval Required
Students will study journalistic principles including interviewing, observing, writing and editing. Students will be involved in all aspects of publishing the monthly school newspaper and the RCHS yearbook. Staff members will edit stories, layout pages, develop a theme, and organize photographs, advertisements, and stories. This class teaches responsibility, dependability, and teamwork in a very real working sense. Students will be expected to place this class high on their priority list.

LITERATURE: SHAKESPEARE

Semester—Grades 10-12 (EAd)

Fee: None

Prerequisite: None

This course will explore the works of William Shakespeare, focusing on his plays. The course examines the culture of Shakespeare’s day and the themes of his plays. Students will read a number of Shakespeare’s comedies, tragedies, and histories.

MATH

ALGEBRA 1

Full Year—Grades 9-10 (MC)

Fee: None

Prerequisite: Pre-Algebra

The main goal of Algebra is to develop fluency in working with linear equations. Students will extend their experiences with tables, graphs, and equations and solve linear equations and inequalities and systems of linear equations and inequalities. Students will extend their knowledge of the

number system to include irrational numbers. Students will generate equivalent expressions and use formulas. Students will simplify polynomials and begin to study quadratic relationships. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences.

ALGEBRA 2

Full Year—Grades 9-12 (MAd)

Fee: None

Prerequisite: Algebra 1, Geometry

This course is designed for students planning on taking Pre-calculus the subsequent year. A primary goal of Algebra 2 is for students to conceptualize, analyze, and identify relationships among functions. This course builds on concepts learned in Algebra 1 and Geometry by extending linear algebra and coordinate geometry concepts to other functions and systems of equations. Students will develop proficiency in analyzing and solving quadratic functions using complex numbers. Students will investigate and make conjectures about absolute value, radical, exponential, logarithmic and sine and cosine functions algebraically, numerically, and graphically, with and without a graphing calculator. Students will extend their algebraic skills to compute with rational expressions and rational exponents. Students will analyze statistical data and apply concepts of probability using permutations and combinations. Students will apply mathematical skills and make meaningful connections to life's experiences.

GEOMETRY

Full Year—Grades 9-11 (MC)

Fee: None

Prerequisite: Algebra 1

Students will explore geometry through inductive and deductive processes, technology, constructions, manipulatives, and algebraic connections. Topics of investigation include logic, angle and line relationships, triangles and other polygons, congruence, and similarity. Students also study coordinate geometry. Trigonometric ratios of sine, cosine, and tangent are used to solve triangle problems. Students will use area, volume, geometric probability, and geometric relationships to solve real-life problems. While mathematical skills will be developed, teaching will focus on the understanding of concepts in depth, enabling students to apply mathematical skills and make meaningful connections to life's experiences.

PRE-CALCULUS

Full Year—Grades 10-12 (MAd)

Fee: None

Prerequisite: C grade or higher in Algebra 2

The main goal of Pre-calculus is for students to gain a deep understanding of the fundamental concepts and relationships of functions. Students will expand their knowledge of quadratic, exponential, and logarithmic functions to include power, polynomial, rational, piece-wise, and trigonometric functions. Students will investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use graphing calculators and mathematical software to build understanding, make connections between representations, and provide support in solving problems. Students will analyze various representations of functions, sequences, and series. Students will analyze bivariate data and data distributions. Students will apply mathematical skills and

make meaningful connections to life's experiences. Pre-calculus is highly recommended preparation for students who plan to continue their formal education beyond high school. Because of the importance of technology in this course, access to a graphing calculator is strongly recommended.

AP CALCULUS (AB)

Full Year—Grades 11-12 (MAd)

Fee: AP Test fee if taken.

Prerequisite: C grade or higher in Pre-Calculus

This course includes differential and integral calculus and their applications. It is equivalent to one semester of college Calculus. This course is designed to prepare students to take the AP Calculus (AB) test.

AP CALCULUS (BC)

Full Year—Grades 11-12 (MAd)

Fee: AP Test fee if taken.

Prerequisite: B grade or higher in AP Calculus (AB)

This course includes limits of functions, differential and integral calculus, polynomial approximations and series, and applications. It is equivalent to two semesters of college Calculus. This course is designed to prepare students to take the AP Calculus (BC) test.

SCIENCE

ASTRONOMY

Semester—Grades 9-12 (SAp)

Fee: None

Prerequisite: None

This course presents an introduction to understanding the mysteries of the night sky. Students will learn of the formation, structure, and future of the large-scale universe; including galaxies, stars, and our own solar system. Emphasis is placed on

knowledge gained through ancient philosophers, scientists, and mathematicians as well as present-day space exploration programs. Students will be required to attend night observations.

BIOLOGY

Full Year—Grades 9-12 (SC)

Fee: None

Prerequisite: Completion or concurrent enrollment in Geometry

Students will study the functions of atoms and molecules in the chemistry of cells, the structure and function of cells, and how cells function as a system. They will analyze how genetic information is passed from one cell to another, and the significance and impact of genetic alteration on living organisms. Students will explore biological diversity, analyze characteristics of ecosystems and the interdependence of organisms with each other and with their environment. Hands-on, student-centered activities allow students to explore the diversity of life and the relevancy of biology in their lives. The state core curriculum will be followed and enhanced.

AP BIOLOGY

Full Year—Grades 9-12 (SC) (SAAd)

Fee: AP Test fee if taken.

Prerequisite: Biology

This AP Biology course is equivalent to a two semester college-level biology course with a substantial laboratory component. AP Biology will include topics regularly covered in a college biology course for majors. It is for the highly motivated student, not just the "brainy student". This class will engage you in science as a process. We will do all of the 12 AP Biology Labs plus many other labs, spending more than 25% of our time in the lab setting. A pre-lab report and post-report is required with each lab showing that you have met the learning objectives for each

lab. The laboratory component will enable you to develop hypotheses, design and run experiments, analyze data and make conclusions, and communicate in graphs and tables, but most importantly you will learn to think critically and analytically in the rapidly changing environment and societal world. The AP College Board outline will be followed.

ANATOMY AND PHYSIOLOGY

Full Year—Grades 11-12 (SAd)

Fee: None

Prerequisite: None

This class will examine the normal structure and function of the human body. The student will develop a working knowledge of homeostasis and pathology. Innovative laboratory exercises such as examination of cadavers and dissection will be used to help the student become familiar with clinical procedures and medical disorders

CHEMISTRY

Full Year—Grades 10-12 (SC)

Fee: None

Prerequisite: Algebra 1

Chemistry is the study of matter, its structure, properties, and composition. This course covers topics of basic chemistry including atoms, energy, chemical bonds, chemical reactions, and solutions. Students will develop an understanding of chemical concepts and determine the relevance of chemistry in their lives. Participation in lab work is required.

AP CHEMISTRY

Full Year—Grades 10-12 (SC) (SAd)

Fee: AP Test fee if taken.

Prerequisite: Algebra 1

Advanced Placement Chemistry offers an intensive study of chemical concepts equivalent to those taught in a typical first-year college chemistry course. The course provides in-depth coverage of the concepts

taught in general chemistry, including the structure of atoms, chemical bonding, chemical reactions, solutions, and energy.

In addition, it explores the areas of organic chemistry and nuclear chemistry. Emphasis is placed on the laboratory component of the course and every student must complete the 20+ labs. Students will be prepared to take the AP chemistry exam; however, it is not required.

ENVIRONMENTAL SCIENCE

Semester—Grades 10-12 (SAd)

Fee: None

Prerequisite: None

This course will focus on interactions between ecosystems, population dynamics, field studies, identifying and analyzing environmental problems, evaluating risks such problems cause, and examining solutions for resolving or preventing such problems.

AP ENVIRONMENTAL SCIENCE

Full Year—Grades 11-12 (SAd)

Fee: AP Test fee if taken.

Prerequisite: None

This course will be equivalent to a first year college course in environmental science. Emphasis will be placed on interactions between ecosystems, population dynamics, field studies, identifying and analyzing environmental problems, evaluating risks such problems cause, and examining solutions for resolving or preventing such problems. Students prepare to take the AP Environmental Science Exam.

PHYSICS

Full Year—Grades 10-12 (SAd)

Fee: None

Prerequisite: Algebra 2

Physics studies the “rules” of nature, in particular the rules that define relationships between matter, energy, and motion. The course will focus on understanding the

concepts of physics and applying mathematical explanations. Topics covered include Newtonian mechanics, heat, sound, light, electricity and magnetism, with an introduction to atomic and nuclear physics. Participation in lab work and several projects is required.

AP PHYSICS B

Full Year—Grades 10-12 (SAd)

Fee: AP Test fee if taken.

Prerequisite: Algebra 2

Advanced Placement Chemistry offers a rigorous study of physical concepts equivalent to those taught in a typical first-year algebra based college physics course. The course provides an in-depth, mathematics-intensive coverage of physical relationships between matter, energy, and motion. Topics covered include Newtonian mechanics, fluids, heat, sound, light, electricity, magnetism, atomic and nuclear physics. Laboratory work is required and every student must complete the 18+ labs. Students will be prepared to take the AP physics B exam; however, it is not required.

ZOOLOGY

Semester—Grades 11-12 (SAd)

Fee: None

Prerequisite: Biology

Students will study the diversity of animal life. They will analyze the hierarchal organization of animal complexity and contrast this to the classification of animal species. Students will explore the great diversity of animal species beginning with simple invertebrate animals up through the complex vertebrates. The principles of natural selection will be reviewed in order to evaluate the anatomical features of animals and how species physically adapt to their environment in order to survive. The detailed behavior of animals including learning, dominance, and communication will be explored. Current global

environmental trends that threaten the survival of species will be addressed. Hands-on, student-centered activities will allow students to become more aware of the fascinating science of zoology.

SOCIAL STUDIES

GEOGRAPHY (HISTORY 9 SEMESTER 1)

Semester—Grades 9-12 (SS)

Fee: None

Prerequisite: None

This course covers the five themes of geography. Students will study the various cultures of the world, including the way they live, political and social trends, and advanced technology. They will utilize geographic skills to understand the practical application of geography to everyday life through the use and study of maps.

WORLD CIVILIZATIONS (HIST. 9 SEM. 2)

Full Year—Grades 9-12 (SS)

Fee: None

Prerequisite: None

This course focuses primarily on studying civilizations from pre-history to the modern world, including people, events, and mythologies of Ancient Egypt, Greece, and Rome, and others.

HISTORY THROUGH FILM

Semester—Grades 10-12 (SSE)

Fee: None

Prerequisite: None

This course will explore the depiction of history through film. Students will watch a number of films that depict various periods in history, and will study those periods using records and literature from the period.

CURRENT EVENTS

Semester—10-12 (SSE)

Fee: None

Prerequisite: None

The focus of this class will be those current events that are changing our social, political, and economic life. The course will also cover recent religious and militaristic events that shape our world today. The student will, along with the teacher, provide worthwhile topics for class discussion. Daily news sources, such as newspapers, television news shows, radio, magazines, and the Internet will be used in this class. The class will progress from basic, to intermediate, and finally advance skills in current events studies.

US GOVERNMENT AND CITIZENSHIP

Semester—Grades 11-12 (SS)

Fee: None

Prerequisite: None

This course will give students a general understanding of the government, political and legal systems of the United States and the responsibilities of being a good citizen.

PSYCHOLOGY

Semester—Grades 10-12 (SSE)

Fee: None

Prerequisite: None

This course introduces the student to the study of the behavior of individuals. It emphasizes the manner in which the individual can apply various psychological theories and concepts to better understand one's self, one's motives, and one's relationship with other people.

SOCIOLOGY

Semester—Grades 10-12 (SSE)

Fee: None

Prerequisite: None

This course introduces students to the principles of sociology. Students will study

society, one's role in it, issues and problems, social change, and social movements.

Students will study basic institutions including the family, community, political, and social organizations.

UNITED STATES HISTORY II (HISTORY 10)

Full Year—Grades 10-12 (SS)

Fee: None

Prerequisite: None

This course is designed to cover the history of the United States from 1865 to the present. Students will study the social, economic, and political developments of this period. Emphasis will be placed on events, issues and the men and women important to our national heritage. There is also an in depth study of the constitution and how it works.

AP UNITED STATES HISTORY

Full Year—Grades 10-12 (SS) (SSE)

Fee: AP Test fee if taken.

Prerequisite: None

This course is designed for those who desire to continue their education beyond high school. The course is an in-depth study of history from the Age of Exploration to the present. The course involves analyzing events through primary source analysis and essay writing. Students may receive college credit and are expected to take the A.P. exam in May. The cost of the exam is approximately \$85.

AP US GOVERNMENT & POLITICS

Full Year—Grades 11-12 (SSE)

Fee: AP Test fee if taken.

Prerequisite: None

This course is designed for those who desire to continue their education beyond high school. The course will provide students with an in depth study of the government, political and legal systems of the United States. Practical learning skills will be combined with the instruction from outside

resource persons and varied activities which will enable students to learn about law and the legal system of this nation. Students may receive college credit and are expected to take the AP exam in May. Students passing the AP exam with a score of 3 or above will receive college credit. The cost of the AP exam is approximately \$85.

FOREIGN LANGUAGE

FRENCH 1 (ONLINE)

Full Year—Grades 9-12 (FL)

Fee: None

Prerequisite: None

Students will acquire accurate pronunciation and habits of correct usage of the fundamental patterns of French. They will learn to read and write what they can say. Cultural lessons introduce French lifestyle, history, cooking, and art. Students practice the skills by means of dialogues, structure drills, reading selections, and exercises.

FRENCH 2 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: French 1

Emphasis is placed upon expansion of vocabulary while stressing reinforcement and amplification of accurate and fluent use of the structural elements of French. Narratives and dialogues are used to learn structure and vocabulary. Students gain insight into the French culture and appreciation of French attitudes and interests.

FRENCH 3 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: French 2

Advanced study through a continuation of French 2.

AP FRENCH 4 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: French 3

Advanced study through a continuation of French 3; preparation for the AP French exam.

GERMAN 1 (ONLINE)

Full Year—Grades 9-12 (FL)

Fee: None

Prerequisite: None

This course is designed to introduce students to German language and culture with the aim to attain basic conversational fluency. Students will study a variety of themes and participate daily in active listening and conversation activities.

GERMAN 2 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: German 1

This course is designed as a continuation of German 1 with the aim to attain functional fluency. Students will study a variety of culturally contextual topics and participate daily in active listening and conversation activities. Learning how to get around in Germany as a traveler is emphasized.

GERMAN 3 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: German 2

This course is designed as a continuation of German 2 with the aim to attain functional fluency. Students will study a variety of culturally contextual topics and participate daily in active listening and conversation activities. Learning how to get around in Germany as a traveler is emphasized.

SPANISH 1

Full Year—Grades 9-12 (FL)

Fee: None

Prerequisite: None

Understanding spoken Spanish and attaining fluency in basic conversational expressions are emphasized. Understanding grammar and written Spanish is also stressed. A study of culture and custom of Spanish speaking countries is covered.

SPANISH 2

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Spanish 1

Emphasis is placed upon expansion of vocabulary and grammar principles while stressing reinforcement and amplification of accurate and fluent use of Spanish. Students will study a variety of culturally relevant topics and engage daily in active listening and conversation activities.

SPANISH 3

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Spanish 2

Spanish is used almost exclusively in the classroom with emphasis on reading and grammar review. Oral comprehension, oral practice and Spanish literature are stressed in the program.

AP SPANISH LANGUAGE AND CULTURE

(ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Spanish 3

The fundamentals of the Spanish language will be reviewed, studied more in depth, and fine points and details will be added, along with extensive written and oral practice. Spanish culture and literature will be studied and ample opportunity for speaking Spanish.

CHINESE 1

Full Year—Grades 9-12 (FL)

Fee: None

Prerequisite: None

Students will acquire accurate pronunciation and habits of correct usage of the fundamental patterns of Chinese. They will learn to read and write what they can say. Cultural lessons introduce Chinese lifestyle, history, cooking, and art. Students practice the skills by means of dialogues, structure drills, reading selections, and exercises.

CHINESE 2

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Chinese 1

Emphasis is placed upon expansion of vocabulary while stressing reinforcement and amplification of accurate and fluent use of the structural elements of Chinese. Narratives and dialogues are used to learn structure and vocabulary. Students gain insight into the Chinese culture and appreciation of Chinese attitudes and interests.

CHINESE 3

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Chinese 3

Advanced study through a continuation of Chinese 2.

JAPANESE 1 (ONLINE)

Full Year—Grades 9-12 (FL)

Fee: None

Prerequisite: None

Students will acquire accurate pronunciation and habits of correct usage of the fundamental patterns of Japanese. They will learn to read and write what they can say. Cultural lessons introduce Japanese lifestyle, history, cooking, and art. Students practice the skills by means of dialogues, structure drills, reading selections, and exercises.

JAPANESE 2 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Japanese 1

Emphasis is placed upon expansion of vocabulary while stressing reinforcement and amplification of accurate and fluent use of the structural elements of Japanese.

Narratives and dialogues are used to learn structure and vocabulary. Students gain insight into the Japanese culture and appreciation of Japanese attitudes and interests.

JAPANESE 3 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Japanese 2

Advanced study through a continuation of Japanese 2.

LATIN 1 (ONLINE)

Full Year—Grades 9-12 (FL)

Fee: None

Prerequisite: None

Students will acquire accurate pronunciation and habits of correct usage of the fundamental patterns of French. They will learn to read and write what they can say. Cultural lessons introduce French lifestyle, history, cooking, and art. Students practice the skills by means of dialogues, structure drills, reading selections, and exercises.

LATIN 2 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Latin 1

Emphasis is placed upon expansion of vocabulary while stressing reinforcement and amplification of accurate and fluent use of the structural elements of Latin.

Narratives and dialogues are used to learn structure and vocabulary. Students gain

insight into the Latin culture and appreciation of Latin attitudes and interests.

LATIN 3 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Latin 2

Advanced study through a continuation of Latin 2.

AP LATIN 4 (ONLINE)

Full Year—Grades 10-12 (FL)

Fee: None

Prerequisite: Latin 3

Advanced study through a continuation of Latin 3; preparation for the AP Latin exam.

DIRECTED COURSEWORK

ACT/SAT TEST PREPARATION

Semester—Grades 10-12 (R)

Fee: None

Prerequisite: None

This course will prepare students for taking standardized college admissions exams such as the ACT or SAT tests. Course will focus on advanced test taking techniques, vocabulary, and test reading skills.

COLLEGE PREP SKILLS

Semester—Grades 10-12 (R)

Fee: None

Prerequisite: None

This course will help students to prepare for the rigor of college courses. In it students will learn skills associated with time management, good study habits, setting attainable goals, concentration, note-taking, assignment completion, review of daily notes, organizational skills, motivation, and commitment. They will also learn of ways to seek financial aide, guidance, admissions, and other preparations for the continuing education.

FINANCIAL LITERACY

Semester—Grades 11-12 (R)

Fee: None

Prerequisite: None

This course will enable students to implement decision-making skills they must apply and use to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, and members of a global workforce and society. At the end of the course students will be informed and prepared to be prudent managers of financial resources, enabling them to achieve long and short term financial goals and security; demonstrate an understanding of personal financial planning and sound money management skills; actively participate in and understand management of personal saving and investments and accept responsibility for and understand personal and societal consequences of financial decisions.

COMPUTER TECHNOLOGY

Semester—Grades 9-12 (R)

Fee: None

Prerequisite: None

Students will identify career opportunities in information processing and manage files using the operation system. The emphasis is on business computer applications, such as spreadsheet, word processing, graphics, and desktop publishing. Students will also research current issues concerning information management.

FINE ARTS

ART FOUNDATION 2

Semester—Grades 9-12 (AE)

Fee: None

Prerequisite: None

All art majors planning on working on their AP Studio Art portfolio must begin with Art 2. This class covers the elements of art--line

form/shape, value space, texture, and color. Each element is covered by producing three or more projects in art with pen (ink), pencil, and charcoal. The element of color is covered in the process of print making. Each of the student projects are graded by points. Total points given a student constitutes their grade. Students are responsible for their own paints and paper.

AP ART HISTORY

Full Year—Grades 10-12 (AE)

Fee: AP Test fee if taken.

Prerequisite: None

This is a yearlong course structured to prepare students for the AP® Art History Exam. The course offers a chronological survey of Western art from the dawn of civilization to the present time, including the most modern trends. The course combines proper historical techniques and procedures with an emphasis on the unique position and role played by both the artist and the work of art, its context, and the critic. Students will be exposed to a wide range of art and will be able to identify major artists in each period or movement. The fall semester covers art from the Paleolithic through the Early Renaissance era. The Spring Semester covers art from the Late Renaissance era through Post Modern.

BEGINNING ORCHESTRA

Full Year—Grades 9-12 (AE)

Fee: None

Prerequisite: None

Membership is open to anyone desiring to perform on a woodwind or brass instrument--no audition is required. Students will explore a wide variety of musical styles and perform several times throughout the year. Other fees may apply.

INTERMEDIATE ORCHESTRA
Full Year—Grades 10-12 (AE)

Fee: None

Prerequisite: Minimum one years experience with desired instrument and familiarity with all strings in first position. Students will be able to individualize, learn solos, and play more advanced music. Students will need to provide their own instrument.

CHAMBER CHOIR

Full Year—Grades 9-12 (AE)

Fee: None

Prerequisite: None

This class is for students who have had previous experience in various school choirs. We will focus on learning sound music fundamentals, including singing well and in tune, and reading music. Students will have opportunities to perform in concerts throughout the year and to compete in district and state festivals.

CONCERT CHOIR

Full Year—Grades 9-12 (AE)

Fee: None

Prerequisite: None

This class is for students who have had previous experience in various school choirs. We will focus on learning sound music fundamentals, including singing well and in tune, and reading music. Students will have opportunities to perform in concerts throughout the year and to compete in district and state festivals

DANCE 1

Semester—Grades 9-12 (AE)

Fee: None

Prerequisite: None

This class is designed to give the student an understanding of the different elements of dance. Students will gain greater strength, flexibility and coordination. Students will be graded on participation, development and

performance of choreography. Other fees may apply.

PHOTOGRAPHY

Semester—Grades 9-12 (AE)

Fee: None

Prerequisite: None

This course will start with the basics of photography and continue into the complete production of professional quality digital photographs. We will cover everything from photographic composition to working with and understanding Adobe Photoshop. Each student must have access to a point and shoot digital camera, and have access to 35mm negatives.

DRAMA 1

Semester—Grades 9-12 (AE)

Fee: None

Prerequisite: None

This course introduces the student to the beginning elements of theatre and performance with emphasis on self-improvement in performance and public communication. Mime, oral interpretation, seeing and monologue study are taught along with production criticism, and dramatic and comedic literature. The student will study audition techniques, seeing performance, cinema appreciation and criticism, and an introduction to acting.

DRAMA 2

Full Year—Grades 9-12 (AE)

Fee: \$35.00

Prerequisite: Drama 1

This class is an advanced study of theater history, advanced performance skills. Shakespearean acting, children's theatre, resume and audition preparation, and performance in school productions.

DRAMA ADVANCED

Full Year—Grades 10-12 (AE)

Fee: \$50.00

Prerequisite: Drama 2 or Audition

An acting and performance class where students will learn advanced techniques in acting and styles of theatre. This class will also include a focus on Shakespearean text as well as exposure to play production and competition. Emphasis will be placed on playwriting, improvisation, finding, developing, rehearsing and performing scenes and monologues from contemporary and classical theatre.

DRAWING 1

Semester—Grades 9-12 (AE)

Fee: None

Prerequisite: Art Foundation 2

This course follows the High School Visual Arts Core Curriculum. Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks, and imagination. This class includes studies in figure and face drawing. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

BEGINNING GUITAR

Full Year—Grades 9-12 (AE)

Fee: None

Prerequisite: None

This course is an introduction to playing the guitar. Students will learn chording, note-reading, and rhythms. They will play music pieces ranging from country to classical. Students must provide their own guitar.

INTERMEDIATE GUITAR

Full Year—Grades 10-12 (AE)

Fee: None

Prerequisite: Beginning Guitar

Students will be able to individualize, learn solos, and play more advanced music.

Students will need to provide their own guitar.

MUSICAL THEATER

Full Year—Grades 9-12 (AE)

Fee: \$25.00

Prerequisite: Audition Only

A hands-on course designed to cover the aspects of musical theater including mandatory participation in the production of a full length musical, in the fall and spring semesters. Students will also study elements of dance, choreographers, choreographic principals and processes, dancing, acting and auditioning.

SCULPTURE

Semester—Grades 10-12 (AE)

Fee: None

Prerequisite: Art Foundation 2

This is an intermediate level course that introduces basics in additive and subtractive methods for making sculpture. Mediums such as metal, wood, found objects, and clay will be used in production. Students will be expected to know design basics. Historical examples, aesthetic, and art criticism will be included in the curriculum.

THEATER TECHNOLOGY

Full Year—Grades 9-12 (AE)

Fee: None

Prerequisite: None

Students will study theatre lighting, sound, scenery, properties, stage management and technical design. This class will be a project based class. It also may require evenings and out-of-school time during rehearsals and performances. The student will be required to see a play each term.

PAINTING 1

Semester—Grades 10-12 (AE)

Fee: None

Prerequisite: Art Foundations 2 and Drawing 1

This course follows the High School Visual Arts Core Curriculum. Painting focuses on painting using a variety of mediums from life, pictures, masterworks, and imagination. This class includes studies in figure and face drawing. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

BEGINNING JEWELRY

Semester—Grades 9-12 (AE)

Fee: \$30.00

Prerequisite: None

Beginning jewelry teaches students an introduction to some of the techniques and process related to metalworking and jewelry making. Students will learn how to apply the elements and principles of design to create pieces of jewelry out of metal. The course provides coverage of basic jewelry-making skills such as soldering, sawing, stone setting, and finishing, while learning how to use equipment safely. Emphasis is put on studio production while encouraging the development of creativity, art criticism skill, and a knowledge art history.

CAREER TECHNOLOGY EDUCATION

GAME DESIGN 1

Full Year—Grades 10-12 (CTE)

Fee: None

Prerequisite: None

Game Design students focus on the design principles, skills and techniques required to create the systems, design documents and prototypes for game projects. This course emphasizes design skills such as strong initial concepts, game documentation, game

balance and play-testing, storytelling and level design. Students in the Game Design program will also develop a critical approach to the study of gameplay, interaction and design.

GAME DESIGN 2

Semester—Grades 10-12

Fee: None

Prerequisite: Game Design 1

Students in the Game Design 2 program will develop a critical approach to the study of gameplay, interaction and design through analysis. Game Design students will also be exposed to tools unique to the Xbox360 Console and are required to own one. Students focus on level design principles, scripting and techniques required to create engaging levels, environments and game projects.

GAME DESIGN 3

Semester—Grades 11-12

Fee: None

Prerequisite: Game Design 1 and 2

A continuation of Game Design 2 for the advanced student.

PHOTOSHOP 1

Semester—Grades 9-12 (CTE)

Fee: None

Prerequisite: None

Concentrates on the foundations of raster photo-editing, illustration, design and photo retouching. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics, and other images.

PHOTOSHOP 2

Semester—Grades 9-12

Fee: None

Prerequisite: Photoshop 1

Students in this course will expand their Photoshop skills through advanced retouching, color correction, and other

custom imaging techniques. Students will learn about creating clipping groups to use one layer's contents to mask another's, vector paths, and color swatches, gradients, and patterns. Students will also learn how to create layer styles and use the Background Eraser and the Extract command to create complex masks.

PHOTOSHOP 3

Semester—Grades 11-12

Fee: None

Prerequisite: Photoshop 1 and 2

A continuation of Photoshop 2 for the advanced student.

ILLUSTRATOR 1

Semester—Grades 9-12

Fee: None

Prerequisite: Photoshop 1

Teaches students the processes of vector drawing on the computer. Students learn how to use the tools to create digital artwork that can be used in web design, print media and digital screen design.

FAMILY AND CONSUMER SCIENCE

Semester—Grades 9-12 (CTE)

Fee: None

Prerequisite: None

Students will learn the basics of organizing and running a home. Topics include cooking, sewing, interior design, child development and budgeting.

FOODS 1

Semester—Grades 9-12 (CTE)

Fee: None

Prerequisite: Family and Consumer Science
Foods and Nutrition is the primary focus of this course. Topics covered include basic food preparation, food safety and the food pyramid. Foods from the Food Pyramid categories will be prepared.

FOODS 2

Semester—Grades 9-12 (CTE)

Fee: None

Prerequisite: Foods 1

Advanced methods in Food and Nutrition. Students will learn the art of performing quality food preparation and will be introduced to the opportunities in the food service industry.

SEWING

Semester—Grades 9-12 (CTE)

Fee: None

Prerequisite: Home Economics 1

This course introduces students to basic sewing, serger, and pressing equipment, reviews the types of fabrics construction, makes an intermediate level project using correct construction techniques.

WEB PAGE DESIGN

Semester—Grades 9-12 (CTE)

Fee: None

Prerequisite: Computer Technology

This course provides students with an introduction to the Internet. Students will demonstrate a basic knowledge of the Internet and its tools through the use of e-mail and browsers. HTML and web publishing software will be used to create, format, edit, and publish web pages. Emphasis will be placed on the application of the Internet in business.

PHYSICAL EDUCATION/HEALTH

HEALTH 10

Semester—Grades 10-12 (R)

Fee: None

Prerequisite: None

This course is designed to inform students about themselves and their well-being. The course covers such topics as personal hygiene, mental health, relationships, anger

management, physical fitness, body systems, substance abuse, STD'S and HIV.

DRILL

Full Year—Grades 9-12 (AE)

Fee: Drill fees set before tryouts.

Prerequisite: Auditions Only

This is a performance level class that incorporates all levels of ability and achievement. The color guard will interact and perform with the Marching Band during the summer and field season. The class is designed to give students an understanding of, and application to perform in, various aspects of dance. Students will gain greater strength, flexibility and coordination. Students will be graded on participation, attendance, and the development and performance of choreography. Attendance at summer and fall practices and performances, as well as drill camp, is required. Other fees may apply.

CHEERLEADING

Full Year—Grades 9-12 (PEP)

Fee: Cheer fees set before tryouts.

Prerequisite: Auditions Only

Students who are on the cheerleading squad will learn the skills of cheerleading.

FITNESS FOR LIFE

Semester—Grades 10-12 (R)

Fee: None

Prerequisite: None

Fitness for Life is a comprehensive program designed to help teens take responsibility for their own activity, fitness, and health and to prepare them to be physically active and healthy throughout their adult lives. Students will use fitness knowledge to develop and follow a personal fitness plan. Students will also be required to participate in district wide "fitnessgram" testing and will take district wide written test on fitness principles.

PE SKILLS & TECHNIQUES

Semester—Grades 9-12 (R)

Fee: None

Prerequisite: None

Skills and techniques in a variety of team and individual sports are taught. Running and exercise skills are taught to improve physical condition.

WEIGHT TRAINING

Semester—Grades 9-12 (PEP)

Fee: None

Prerequisite: None

The purpose of this course is to enable students to acquire basic knowledge and skills in weight training, improve muscular strength and endurance, and begin to enhance self-image.

WEIGHT TRAINING (ADVANCED)

Semester—Grades 10-12 (PEP)

Fee: None

Prerequisite: Weight Training

The purpose of this course is to enable students to develop advanced knowledge and skills in weight training, further improve muscular strength and endurance, and further enhance self-image. This course further develops understanding strength training, cardiovascular training, and plyometrics—exercises that use explosive movements to develop muscular power. Students will learn the proper techniques for these types of training, develop an effective conditioning program, and learn to utilize the equipment in the weight room. The course is designed to teach students how to safely train in a program that fits their needs for varsity athletic competition.

GENERAL ELECTIVES

DRIVER EDUCATION

Semester—Grades 10-12 (GE)

Fee: \$50.00

Prerequisite: None

Driver's Ed will be taught before school, after school, or on Saturday's. Once the student has the learner's permit and notifies the instructor, he/she will be added to the scheduling list. He/she will be able to specify which of the three time slots will work best for them. Students must have 30 hours of classroom instruction.

AIDE – TEACHER

Semester—Grades 11-12 (GE) (RP)

Fee: None

Prerequisite: Student must be on track for graduation

Students may only register for one teacher's aide position a year. A student assistant is assigned to a high school staff member. Course is pass/fail and students do not receive a letter grade.

AIDE – OFFICE

Semester—Grades 10-12 (GE) (RP)

Fee: None

Prerequisite: Student must be on track for graduation

Students may only register for one aide position a year. A student assistant is assigned to the Main Office or Counseling Office. Course is pass/fail and students do not receive a letter grade.

AIDE – MEDIA

Semester—Grades 11-12 (GE) (RP)

Fee: None

Prerequisite: Student must be on track for graduation.

Requirements are different each class period. Students will be required to shelf books, check in and out library materials, clean, prepare books for cataloging and

maintain a quiet atmosphere. Course is pass/fail and students do not receive a letter grade.

MEDIA ARTS

Full Year—Grades 9-12 (GE)

Fee: None

Prerequisites: None

Students will study audio engineering, mixing, and production in a real-world setting. Students will collaborate with the Drama Department on play productions and other related events.

PEER TUTOR/MENTOR

Semester—Grades 10-12 (GE) (RP)

Fee: None

Prerequisite: Student must be on track for graduation.

Students will be involved in peer tutoring students in special education classes in the areas of math, English, reading, life skills and other regular education academic areas. This can be a very rewarding experience. Course is pass/fail and students do not receive a letter grade.

STUDENT COUNCIL (GOVERNMENT)

Full Year—Grades 9-12 (GE) (RP)

Fee: None

Prerequisite: Elections/Auditions and 3.0 GPA required

Class members are elected or appointed in the spring prior to the next school year.

SERVICE LEARNING

Semester—Grades 9-12 (GE) (RP)

Prerequisite: None

A required course for all 9th grade students. Students learn the importance of service to their community. Students develop the appropriate skills to be a volunteer. Students log and report the volunteer hours needed for graduation.

RELEASED TIME

SEMINARY (RELEASED TIME)

No Credit

Full Year—Grades 9-12

A student may be released to attend off-campus religious instruction. Continued failure to attend released time class will result in the re-registration of the student into a regularly scheduled class at the high school.

SEMINARY (RELEASED TIME) BEFORE SCHOOL

No Credit

Full Year—Grades 9-12

Enrollment is limited – students must receive approval prior to enrollment.

PARENT RELEASE TIME

No Credit

Full Year—Grades 9-12

Students are released into the care and supervision of their parent or guardian for the purpose of religious instruction.

WORK RELEASE TIME

Full Year—Grades 11-12 (GE)

Students may be released to work off-campus.

ONLINE STUDY

No Credit

Semester—Grades 9-12 (RP)

Fee: None

Prerequisites: None

This class provides students with the time and opportunity to take high school courses through online vendors such as Electronic High School. This course give students the opportunity to makeup, repair, or earn additional credit toward early graduation.

RESOURCE

ALGEBRA 1 STUDY SKILLS

Full Year—Grades 9-12 (MC)

Fee: None

Prerequisite: IEP required

The main goal of Algebra is to develop fluency in working with linear equations. Students will extend their experiences with tables, graphs, and equations and solve linear equations and inequalities and systems of linear equations and inequalities. Students will extend their knowledge of the number system to include irrational numbers. Students will generate equivalent expressions and use formulas. Students will simplify polynomials and begin to study quadratic relationships. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences. This class will be co-taught with a Resource teacher and Math teacher.

BIOLOGY STUDY SKILLS

Full Year—Grades 10-11 (MC)

Fee: None

Prerequisite: Admission to and requirements for this class will be based upon IEP.

Students will study the functions of atoms and molecules in the chemistry of cells, the structure and function of cells, and how cells function as a system. They will analyze how genetic information is passed from one cell to another and the significance and impact of genetic alteration on living organisms. Students will explore biological diversity; analyze characteristics of ecosystems and the interdependence of organisms with each

other and with their environment. Hands-on, student-centered activities allow students to explore the diversity of life and the relevancy of biology in their lives. The state core curriculum will be followed and enhanced.

ENGLISH STUDY SKILLS

Full Year—Grade 9-12 (EC)

Fee: None

Prerequisite: Admission to and requirements for this class will be based upon IEP.

EARTH SYSTEMS STUDY SKILLS

Full Year—Grade 9-12 (SC)

Fee: None

Prerequisite: Admission to and requirements for this class will be based upon IEP.

Earth Systems is an integrated science course which focuses on the theme of “systems.” Topics from physical, earth, and life science are integrated to help students develop an understanding of interactions and interdependence within and between such earth systems as matter cycles, energy flows, and life webs. Hands-on inquiry-based instruction is used to help student’s value science as a process for obtaining knowledge based on observable evidence.

GEOMETRY STUDY SKILLS

Full Year—Grades 9-12 (MC)

Fee: None

Prerequisite: IEP required

Students will explore geometry through inductive and deductive processes, technology, constructions, manipulatives, and algebraic connections. Topics of investigation include logic, angle and line relationships, triangles and other polygons,

congruence, and similarity. Students also study coordinate geometry. Trigonometric ratios of sine, cosine, and tangent are used to solve triangle problems. Students will use area, volume, geometric probability, and geometric relationships to solve real-life problems. While mathematical skills will be developed, teaching will focus on the understanding of concepts in depth, enabling students to apply mathematical skills and make meaningful connections to life’s experiences. This class will be co-taught with a Resource teacher and Math teacher.

MATH RESOURCE

Full Year—Grades 9-10 (MAp)

Fee: None

Prerequisite: Admission to and requirement for this class will be based upon IEP.

READING STUDY SKILLS

Full Year—Grades 9-12 (EAp)

Fee: None

Prerequisite: IEP required

Students will read a variety of materials and practice reading strategies. Fluency, comprehension, and other reading skills will be worked on to increase student reading levels.

WRITING STUDY SKILLS

Full Year—Grades 9-12 (EAp)

Fee: None

Prerequisite: IEP required

Students will write a variety of different types of essays, narratives, and expository pieces. Basic writing skills such as prewriting organization, sentence fluency, revision and editing will be worked on to increase student writing levels.

CONCURRENT ENROLLMENT

DISTANCE LEARNING THROUGH EDNET

The following are interactive classes taught on the Utah Valley University (UVU) campus and broadcast to Rockwell Charter High School students in Eagle Mountain. Classes meet on Monday, Wednesday, and Friday or Tuesday and Thursday. On the day students are not in class they will have a study hour during the class period in the Rockwell Charter High School Media Center. Students must be admitted to UVU and register for the classes through UVU. Students must also register for the Online Studies Class at RCHS that corresponds to the date/time of the EdNet course. Students will receive credit through UVU and all grades will be posted on their RCHS transcript. Please note that 3 Semester Hours of College Credit will equal 1.0 RCHS High School Credit. For additional information about this program, please contact the RCHS Counseling Department.

FIRST SEMESTER:

ENGLISH 1010

Prerequisite: 19 or higher on ACT test or score C+ or higher on the UVU Compass Test.

Days: Tuesday, Thursday

Time: 9:30am – 10:45am

3 sem. hrs. UVU credit

Intro to writing – Seniors only

ENGLISH 1010

Prerequisite: 19 or higher on ACT test or score C+ or higher on the UVU Compass Test.

Days: Tuesday, Thursday

Time: 11:00am – 12:15pm

3 sem. hrs. UVU credit

Intro to writing – Seniors only

HISTORY 2700

Days: Monday, Wednesday, Friday

Time: 7:00am – 7:50am

3 sem. hrs. UVU credit

US History to 1877

MATH 1010

Prerequisite: 19 or higher on ACT test or score C+ or higher on the UVU Compass Test

Days: Monday, Tuesday, Thursday, Friday

Time: 2:00pm – 2:50 pm

3 sem. hrs. UVU credit

Intermediate Algebra (Algebra 2)

POLITICAL SCIENCE 1100

Days: Monday, Wednesday, Friday

Time: 8:00am – 8:50am

3 sem. hrs. UVU credit

American National Government

PSYCHOLOGY 1010

Days: Tuesday, Thursday

Time: 8:00am – 9:15am

3 sem. hrs. UVU credit

General Psychology

BIOLOGY 1010

Prerequisite: 19 or higher on ACT test or score C+ or higher on the UVU Compass Test

Days: Monday, Wednesday

Time: 11:00am – 12:15pm

3 sem. hrs. UVU credit

General Biology

THEATER 1013

Days: Monday, Wednesday, Friday

Time: 10:00am – 10:50am

3 sem. hrs. UVU credit

Introduction to Theater

ART 1010

Days: Monday, Wednesday Friday

Time: 9:00am – 9:50am

3 sem. hrs. UVU credit

Introduction to Visual Arts

SECOND SEMESTER: NOT YET DETERMINED

Semester One

| | |
|----------|-----------------|
| ART1010 | MWF 9:00-9:50 |
| BIOL1010 | MW 11:00-12:15 |
| ENGL1010 | TR 9:30-10:45 |
| ENGL1010 | TR 11:00-12:15 |
| HIST2700 | MWF 7:00-7:50 |
| MATH1010 | MTRF 2:00-2:50 |
| POLS1100 | MWF 8:00-8:50 |
| PSY1010 | TR 8:00-9:15 |
| THEA1013 | MWF 10:00-10:50 |

OFF-CAMPUS TECHNOLOGY PROGRAMS

Please visit with our counselors for information on off-campus programs such as Building Construction, Cosmetology and Hair Design, and Mountainland Applied Technology College (MATC) courses.

NOTE THAT TUITION RATES FOR ANY OF THESE COURSES ARE NOT SET BY ROCKWELL CHARTER HIGH SCHOOL.

