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## COURSE DESCRIPTIONS

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Courses are subject to availability.
**Kindergarten**
- Language Arts
- Math
- Science
- Social Studies

**First Grade**
- Language Arts
- Math
- Science
- Social Studies

**Second Grade**
- Language Arts
- Math
- Science
- Social Studies

**Third Grade**
- Language Arts
- Math
- Science
- Social Studies

**Fourth Grade**
- Language Arts
- Math
- Science
- Social Studies

**Fifth Grade**
- Language Arts
- Math
- Science
- Social Studies

**Academic Enrichment**
- i-Ready Math
- i-Ready Reading

**Electives**
- Arts & Crafts: Kindergarten
- Arts & Crafts: 1st Grade
- Arts & Crafts: 2nd Grade
- Art Development Level 1
- Art Development Level 2
- Art Development Level 3
- Art Development Level 4
- Keyboarding*
- Recorders*
- Scratch Coding*
COURSE LIST

MIDDLE SCHOOL

English Language & Literature
Language Arts 6
Language Arts 7
Language Arts 8

Mathematics
Math 6
Math 7
Pre-Algebra 8

Life & Physical Sciences
Science 6
Science 7
Science 8

Social Studies & History
Social Studies 6
Social Studies 7
Social Studies 8

Visual & Performing Arts
2D Studio Art
Arts Explorations
Basic Drawing
Beginning Painting
Digital Art and Design
Digital Photography
Exploring Music
Photography: Drawing with Light

Physical, Health, & Safety Education
Fitness
Health
Individual and Team Sports

Information Technology
Coding
Computer Basics
Exploring Information Technology
Game Design
Javascript Game Design
Keyboarding

Communication & AV Technology
Journalism: Tell Your Story

Business & Marketing
Dave Ramsey’s Foundations in Personal Finance®

Career Exploration/Development
Career Exploration 1
Career Exploration 2

Academic Enrichment
i-Ready Math
i-Ready Reading
Study Skills

School Organization
Keys to Success
Orientation
**English Language & Literature**
- Advanced Placement® English Language & Composition
- Advanced Placement® English Literature & Composition
- Contemporary Novels
- Creative Writing: Unleashing the Core of Your Imagination
- Gothic Literature: Monster Stories
- Language Arts 9**†
- Language Arts 10*†
- Language Arts 11*†
- Language Arts 12*†
- Mythology and Folklore: Legendary Tales
- Public Speaking
- Reading and Writing for Purpose
- The Lord of the Rings: An Exploration of the Films and Their Literary Influences

**Mathematics**
- Advanced Placement® Calculus AB
- Advanced Placement® Calculus BC
- Algebra 1**†
- Algebra 2**†
- Consumer Math
- Geometry*†
- Pre-Algebra*†
- Pre-Calculus

**Life & Physical Sciences**
- Advanced Placement® Biology
- Advanced Placement® Chemistry
- Advanced Placement® Physics
- Anatomy and Physiology
- Astronomy
- Biology*†
- Chemistry*†
- Earth Science†
- Great Minds in Science: Ideas for a New Generation
- Marine Science: Secrets of the Blue

**Life & Physical Sciences, continued**
- Nutrition and Wellness
- Paleontology
- Physical Science*†
- Physics*†
- Space Explorations
- Veterinary Science: The Care of Animals
- World of STEAM

**Social Studies & History**
- Advanced Placement® European History
- Advanced Placement® Government & Politics
- Advanced Placement® US History
- Advanced Placement® World History
- African American History
- American Government*†
- American History*†
- Anthropology I: Uncovering Human Mysteries
- Anthropology II: More Human Mysteries Uncovered
- Archaeology: Detectives of the Past
- Civics†
- Economics*†
- History of the Holocaust
- Human Geography: Our Global Identity
- Personal Psychology I: The Road to Self-Discovery
- Personal Psychology II: Living in a Complex World
- Philosophy: The Big Picture
- Social Problems 1: A World in Crisis
- Social Problems 2: Crisis, Conflicts and Challenges
- Sociology 1: The Study of Human Relationships
- Sociology 2: Your Social Life
- World Geography†
- World History*†
- Women’s Studies: A Personal Journey Through Film
- World Religions: Exploring Diversity

*Honors option available
†Credit Recovery option available
COURSE LIST

HIGH SCHOOL

Visual & Performing Arts
3D Modeling
Animation
Art Appreciation
Art in World Cultures
Digital Photography 1: Introduction
Digital Photography 2: Discovering Your Creative Potential
Fashion and Interior Design
Film and Television
Graphic Design
Music Appreciation: The Enjoyment of Listening
Photojournalism
Theater, Cinema and Film Production

Physical, Health, & Safety Education
Driver’s Ed
Health 1: Life Management Skills
Health
Personal Fitness
Physical Education

Military Science
Military Careers

Information Technology
Access: Office Fundamental Series
Coding
Excel: Office Fundamentals Series
Foundations of Game Design
Game Design
Introduction to Java Programming
JavaScript
Keyboarding
Outlook: Office Fundamentals Series
PowerPoint: Office Fundamentals Series
Principles of Information Technology
Word: Office Fundamentals Series

Communication & AV Technology
Digital Media
Journalism
Learning in a Digital World: Strategies for Success
Media & Communications
Social Media: Our Connected World

Business & Marketing
Accounting
Advertising and Sales Promotion
Business Information Management
Business Law
Dave Ramsey’s Foundations in Personal Finance®
Entrepreneurship: Starting Your Business
International Business: Global Commerce in the 21st Century
Introduction to Business
Manufacturing: Product Design and Innovation
Marketing Foundations
Personal and Family Finance
Principles of Business, Marketing, Finance
Sports and Entertainment Marketing

Health Care Sciences
Biotechnology
Health Science 1: The Whole Individual
Health Science 2: Patient Care and Medical Services
Health Science Foundations
Health Science: Nursing
Health Science: Public Health
Medical Terminology: Introduction
Medical Terminology: Discovering Word Foundations
Public, Protective, & Government Services
- Criminology: Inside the Criminal Mind
- Cybersecurity
- Forensic Science 1: Secrets of the Dead
- Forensic Science 2: More Secrets of the Dead
- Forensics: The Science of Crime
- Law and Order: Introduction to Legal Studies
- National Security
- Principles of Public Service: To Serve and Protect

Hospitality & Tourism
- Culinary Arts 1
- Culinary Arts 2: Baking, Pastry, and More!
- Hospitality and Tourism 1: Traveling the Globe
- Hospitality and Tourism 2: Hotel and Restaurant Management
- Restaurant Management

Agriculture, Food, & Natural Resources
- Agriscience 1: Introduction
- Agriscience 2: Sustaining Human Life
- Forestry and Natural Resources
- Principles of Agriculture, Food and Natural Resources

Human Services
- Cosmetology 1: Cutting Edge Styles
- Cosmetology 2: The Business of Skin and Nail Care
- Cosmetology 3
- Early Childhood Education
- Human and Social Services 1: Introduction
- Peer Counseling
- Real-World Parenting

Engineering & Technology
- Concepts of Engineering and Technology
- Renewable Technologies: Introduction

Academic Enrichment
- ACT Prep
- Survey of ACT Prep
- Character Education
- Independent Study
- i-Ready Math
- i-Ready Reading
- Life Skills: Navigating Adulthood
- SAT Prep
- Survey of SAT Prep
- Study Skills and Strategies

School Organization
- Keys to Success
- Orientation

Career Exploration/Development
- Arts Careers
- Career Planning
- Careers in Criminal Justice
- Work Experience
- Workplace & Internship Readiness: Preparing for Work & Life

World Languages
- Advanced Placement® French Language & Culture
- Advanced Placement® Spanish Language
- American Sign Language 1
- American Sign Language 2
- French 1
- French 2
- French 3
- German 1
- German 2
- Spanish 1
- Spanish 2
- Spanish 3
HONORS & ADVANCED PLACEMENT® COURSE LIST

HONORS COURSES

**English Language & Literature**
- Language Arts 9
- Language Arts 10
- Language Arts 11
- Language Arts 12

**Life & Physical Sciences**
- Biology
- Chemistry
- Physics

**Mathematics**
- Algebra 1
- Algebra 2
- Geometry

**Social Studies & History**
- American Government
- American History
- Economics
- World History

ADVANCED PLACEMENT® COURSES

**English Language & Literature**
- Advanced Placement® English Language & Composition
- Advanced Placement® English Literature & Composition

**Mathematics**
- Advanced Placement® Calculus AB
- Advanced Placement® Calculus BC

**Social Studies & History**
- Advanced Placement® European History
- Advanced Placement® Government & Politics
- Advanced Placement® US History
- Advanced Placement® World History

**Life & Physical Sciences**
- Advanced Placement® Biology
- Advanced Placement® Chemistry
- Advanced Placement® Physics

**World Languages**
- Advanced Placement® French Language & Culture
- Advanced Placement® Spanish Language
## Credit Recovery Course List

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Credit Recovery (CR) courses are designed for students who have previously taken a course and have not mastered content to earn credit. They are not for students wanting to accelerate, but designed for students that want to graduate on time. Credit Recovery courses are available as two 0.5 credit semester-based courses. Students can take either one semester or the full year course. Students should be able to show that the course was previously taken and not mastered.
COURSE DESCRIPTIONS

ELEMENTARY SCHOOL
Our school’s interactive K-5 curriculum is rooted in national standards and prepares students to build their foundational skills in language arts, mathematics, science, and social studies to set them up for academic success in elementary school and beyond. Our comprehensive curriculum offers opportunities for students to develop their reading, writing, and critical thinking skills across all content areas.

Through the K-5 program in language arts, students build from phonics and sight words to comprehending and analyzing complex literary and informational texts. In mathematics, students learn to count in Kindergarten and progress to multiplying and dividing multiple-digit numbers by fifth grade.

The K-5 science curriculum exposes students in the earliest years to noticing the natural world around them and launches them into understanding how the world is interconnected by the time that they graduate from elementary school. The social studies curriculum encourages students to reflect on their role in society and the ways in which major historical events shape their state and the United States. Additionally, students can select from a number of engaging electives to provide a holistic educational experience.

**KINDERGARTEN**

In kindergarten, language arts students will identify, name, and produce letter sounds. Students will also learn about frequently used phonograms. Students will also master weekly sight words and engage in reading and comprehension strategies to grow as readers.

Students will learn foundational math facts such as counting to 20, how to compare sizes, ordinal numbers, putting items in order, what a number line is and its uses, basic measurements such as inches and feet, and how to tell time on digital and analog clocks. Students will explore concepts of basic geometric shapes such as cones and spheres.

In science, students will use their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring varying concepts.

Social studies introduces students to their place in the community and the responsibilities of being a member of society. Students will learn about everyday heroes, the responsibilities of pet ownership, the importance of rules, table manners, and eating well.
FIRST GRADE
In first grade, language arts students will identify and write all letters, produce letter sounds, and will also master weekly sight words and reading and comprehension strategies to grow as readers.

In math, students will build fluency with basic math facts. They will learn to count to 100, basic addition and subtraction facts, and how to add double-digit numbers. Students will be introduced to such new concepts as word problems, Venn diagrams, and basic geometric concepts as well as vertical addition and subtraction. There is an emphasis on learning practical skills such as reading thermometers, looking at maps, and understanding the value of coins.

In science, students will complete projects that are designed to allow for exploration and discovery. Students will begin to explore the fundamentals of social studies including map skills, cardinal directions, and will begin to examine maps of the U.S. and the globe. Students will also be introduced to important figures from American history such as Pocahontas, George Washington, Abraham Lincoln, and Clara Barton.

SECOND GRADE
In second grade, students will continue to grow as fluent readers while practicing spelling, vocabulary, and grammar concepts through thematic units. Students will increase their sight words and reading and comprehension strategies to grow as readers.

In math, students will build fluency with basic math facts and add and subtract within 100 to solve word problems using strategic methods. Students will also manipulate numbers to 1000 using knowledge of hundreds, tens, and ones as well as learning measurement, graphs, and money skills.

Science introduces students to the process of observation and how important it is to the study of science. Learners will identify their five senses and why they are critical to observation. Using these skills, students will examine many different types of animals and their environments.

In social studies, students will explore the Ancient Cultures of China, Africa, and the Celts and examine economics and the role that money plays in every civilization.
THIRD GRADE
In third grade, language arts students will focus on reading comprehension skills and strategies to help them become stronger readers. Using their knowledge from spelling lessons, vocabulary words, and grammar concepts students will improve writing skills in a variety of topics.

In math, students will master addition and subtraction facts as well as multiplication and division facts. Students will understand relationships between addition and subtraction, multiplication and addition, and multiplication and division as they learn to borrow, carry, and regroup in order to find sums and differences of two whole numbers up to 10,000.

Science introduces students to experimentation as they journey through the earth. They will begin by learning about the earth, the sun, and the moon. By completing simple experiments students will observe and draw conclusions about the water cycle, gravity, the weather and its patterns, various types of terrain, and the role of plants in the production of oxygen and their importance to human survival.

Social studies will begin to explore geography, civics, and economics by exploring the Native American tribes of the Cherokee, Sioux, and Hopi. Students will also begin to study the first explorers of the Americas and learn about the beginning of the United States.

FOURTH GRADE
In fourth-grade, language arts students will practice reading, writing, speaking, listening, and the study of vocabulary and grammar in an integrated experience. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments focus on narrative, expository, and persuasive modes and emphasize the use of reasoning and details to support opinions.

In math, students develop an understanding and fluency with multi-digit multiplication and dividing to find quotients involving multi-digit dividends. Students also learn about fraction equivalence, addition and subtraction of fractions, comparing decimals, and geometry concepts.

The science course includes the three main domains of science which are physical, life, and earth and space science. Learners use various kinds of experimenting, including field studies, systematic observations, models, and controlled experiences. Students go beyond planet Earth as they study galaxies, the solar system, and other planets. Students examine the ways that forces and motion can be measured and the concept that a single kind of matter can exist as a solid, liquid, or gas.

In social studies, students explore their local state, community, and animals. Students gain an understanding of local Native American ground in their part of the country. Throughout the year, students will complete projects that are based on local geography, state capitals, and nearby natural wonders and landforms.
FIFTH GRADE
In fifth grade, students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments focus on informative, narrative, and persuasive techniques and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English.

Math focuses on several critical areas including but not limited to developing fluency with addition, subtraction, multiplication, and division of fractions. Students also learn to extend division to 2-digit divisors, integrate decimal fractions into the place value system, and increase an understanding of operations with decimals to hundredths.

In science, students begin the course by focusing on earth and space science by looking at the solar system and planets. The course continues with a focus on physical science and with a look into life science and the ways that organisms are interconnected. Students learn that ecosystems change and how the changes affect their ability to support their populations. The course concludes with a look into the scientific process and the importance of investigations and conclusions in the study of science.

Using engaging projects, social studies combines the study of United States history through the Civil War with a geographical exploration of the United States.
i-READY MATH
This course is designed to personalize the student’s learning path in math. While students’ core courses are focused on grade-level content standards, this course will take the student on a journey that is just the right fit for them. It begins with an online adaptive assessment. This assessment determines what math skills the student has mastered and what skills may need more practice. From there, individualized lessons will be loaded that enable a student to become a stronger and more confident mathematician.

i-READY READING
This course is designed to personalize the student’s learning path in reading. While students’ core courses are focused on grade-level content standards, this course will take the student on a journey that is just the right fit for them. It begins with an online adaptive assessment. This assessment determines what reading skills the student has mastered and what skills may need more practice. From there, individualized lessons will be loaded that enable a student to become a stronger and more confident reader.
ARTS & CRAFTS K
This half-year course provides a foundation for children’s inherent artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to lines, circles, recognizing and using shapes, creating a collage, and concepts such as symmetry. Young artists will also explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing. A particular emphasis on this course is on creating works of art.

ARTS & CRAFTS 1
This half-year course provides a foundation for the student’s artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to primary colors, the color wheel, shapes such as lines and circles, and concepts such as symmetry. Students will also explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing.

ARTS & CRAFTS 2
This half-year course will provide students with opportunities to experience many different forms of art and to express their imagination while learning valuable skills. Learners will create a color wheel and understand the difference between primary, secondary, and complementary colors. Learners will use clay and watercolors to create projects and begin to understand symmetry in art.

ART DEVELOPMENT LEVEL 1
This half-year course students will be introduced to basic concepts of art such as lines, circles, shapes, primary colors, watercolor, fingerprint flowers, cut out faces, and mirror printing. Students will learn about shapes, lines, and other art basics while they create their own art notebook. This course culminates with students creating their own book cover thus creating an art book keepsake.

ART DEVELOPMENT LEVEL 2
This half-year course students will be introduced to basic concepts of art such as the color wheel, complementary colors, lines, painting, mirror images, symmetry, flower shapes, block-printing, and free drawing. Students will learn about shapes, lines, and other art basics while they create their own artwork.

ART DEVELOPMENT LEVEL 3
This half year course students will be introduced to basic concepts of art such as the color wheel, complementary colors, watercolor, symmetry, light, pop art, drawing people, sculpture, and working with clay. Students will create their own vocabulary word-to-art notebook as they study age-appropriate art history and create their own artwork.
ART DEVELOPMENT LEVEL 4
This half-year course students will be introduced to basic concepts of art such as coloring, shading, composition, portrait creation, mosaics, and collages. Students will encounter age-appropriate art vocabulary and concepts that will help them build on skills learned in prior elementary level art courses. Students will also learn about the historical context of artwork and art techniques.

KEYBOARDING
This half-year course the curriculum introduces new keys by rows. Students explore the keyboard starting with the middle row, then the top row, and the bottom row of the keyboard. The content is designed with a strong focus on sight and high-frequency words. This course assumes no keyboarding experience and will guide them through the keyboard. Available for grades third through fifth.

RECORDERS
This half-year course combines music and performing arts. Students experience and learn new songs and perform them using their bodies. In addition, the student begins learning how to play the recorder. Available for grades kindergarten through second.

SCRATCH CODING
This half-year course the program will introduce students to real coding programs and allow them to drag and drop coding blocks to create a fully functional program. This course assumes no prior computer coding knowledge. Available for grades third through fifth.
ENGLISH LANGUAGE & LITERATURE

MIDDLE SCHOOL COURSES

LANGUAGE ARTS 6
This course equips students with the essential language arts skills needed throughout their academic careers. Students read and analyze a variety of informational and fictional texts. Instruction and reading strategies accompany reading selections to help engage students in the text and sharpen their comprehension. Students express their ideas and knowledge using standard (formal) English in written and oral assignments. Writing expressive, analytical, and procedural compositions helps students develop communication skills necessary in today’s world. Students study grammar, usage, and mechanics, and practice sentence analysis, sentence structure, and proper punctuation.

*Duration: Two Semesters*

LANGUAGE ARTS 7
This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and structure of various genres of writing enhances students’ communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies.

*Duration: Two Semesters*

LANGUAGE ARTS 8
Throughout this course, students engage in literary analysis and close reading of short stories, poetry, drama, novels, and informational texts. The course focuses on the interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills in standard (formal) English. Students read “between the lines” to interpret literature and go beyond the text to discover how the culture in which a work of literature was created contributes to the theme and ideas it conveys. Analysis of the structure and elements of informational texts and media helps students develop the skills needed for academic success and navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary.

*Duration: Two Semesters*
MATH 6
In this Grade 6 mathematics course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division, and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.

**Duration:** Two Semesters

MATH 7
In this Grade 7 mathematics course, students focus on real-world scenarios and mathematical problems involving algebraic expressions and linear equations and begin to apply their understanding of rational numbers with increased complexity. The course lays the foundation for exploring concepts of angle, similarity, and congruence, more formally addressed in Grade 8, as students work with scale drawings and construct and analyze relationships among geometric figures. Students also develop and apply understandings of proportional relationships.

**Duration:** Two Semesters

PRE-ALGEBRA 8
In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem, and explain strategies for solving real-world problems. Lessons provide demonstrations of key concepts as well as interactive problems with contextual feedback. A textbook supplements the online material.

**Duration:** Two Semesters
**SCIENCE 6**
The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment. Semester one major topics include an introduction to science, forces and gravity, the stars, the earth, the moon, and the solar system. Semester two major topics include ecosystems, the energy flow of life, green plants, energy, heat, and Newton’s laws.

*Duration: Two Semesters*

**SCIENCE 7**
The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment. Semester one major topics include the nature of science, waves and sound, light, lenses, electricity, and magnets and electricity. Semester 2 major topics include matter and chemical reactions, cells, the digestive system and human nutrition, the respiratory and circulatory systems, body movement, and body systems – information processing and chemical messages.

*Duration: Two Semesters*

**SCIENCE 8**
The course builds on the understanding and application of the science topics studied in Science 7. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment. Semester one major topics include science then and now, simple and compound machines, modern machines, earth’s history and structure, air, climate, and weather, and water. Semester 2 major topics include reproduction, heredity, and evolution, classification of living things, invertebrates, vertebrates, pollution, and human impacts on populations.

*Duration: Two Semesters*
SOCIAL STUDIES & HISTORY

SOCIAL STUDIES 6
This course introduces students to the beginnings of ancient civilizations. Students actively trace the path of human origins in Africa; and, follow the path of migration around the planet from the Mediterranean through the Eastern world as they explore the major ancient civilizations and their cultures. The emphasis is on critical thinking and connecting themes in history to our modern world, thereby encouraging students to understand why we study history and the process in which we form connections with and conclusions about the events of the past. Students will begin to learn about the major ancient civilizations around the world and their cultures. Students will continue to trace the path of human civilization from the Mediterranean through the Eastern world. An emphasis will be placed on critical thinking and connecting themes in history to our modern world.

Duration: Two Semesters

SOCIAL STUDIES 7
This study of the history of the United States emphasizes how ideas, events, and philosophies have shaped the nation. Students will learn about America's past while mastering the skills of historical interpretation. Study begins with the earliest arrivals of people with an emphasis on how historical ideas, events, and philosophies have shaped the United States. Content includes the Civil War, Reconstruction, and guides students through U.S. history to the present.

Duration: Two Semesters

SOCIAL STUDIES 8
In this course, students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal and state government, law, and political systems. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. By the end of the course, students will have a deeper understanding of their civic responsibilities as well as the difference one individual can make in society.

Duration: Two Semesters
2D STUDIO ART
Learn how to bring your artistic visions to life. Whatever medium you prefer—painting, drawing, photography—this course will teach you the design elements and principles needed to create a work of art, explore your artistic inspirations, travel back in time to look at art in different cultures, and gain insight about the art of critiquing. Drawing paper, paintbrushes, paint, drawing tools, and similar supplies will be needed to this course.

Duration: Semester

ARTS EXPLORATIONS
Introducing students to diverse areas in the arts can broaden their perspective on the arts in general. Arts Explorations encourages students to experience each of the modern art disciplines including Visual Arts, Theater, Music, Media Arts, and Dance. Students will also be able to identify areas of special interest where they would like continued study and the ways that the arts can be a part of their career paths.

Duration: Semester

BASIC DRAWING
Students will experiment with several different art materials and tools and explore ordinary things around them to become more observant of the structures and meanings of things that can be seen in the student’s home and community.

Duration: Semester

BEGINNING PAINTING
This course introduces students to classical and contemporary painting, techniques, and concepts, with an emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context.

Duration: Semester

DIGITAL ART AND DESIGN
In this course, you’ll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Students will create your own digital art and make it come alive.

Duration: Semester
DIGITAL PHOTOGRAPHY
Understanding the tools available opens the possibilities to create images with impact. In Digital Photography, students will study the history of photography as well as the basic operation of a digital camera. As they are introduced to different styles of photography and photographers, students will begin to develop artistic skills as well as their own voice through their photographs.
*Duration:* Semester

EXPLORING MUSIC
Explore important elements of music like rhythm, pitch, and harmony, as well as different musical genres. Discover more about your singing voice, musical instruments, and composition while taking in the history and culture of music over the years.
*Duration:* Semester

PHOTOGRAPHY: DRAWING WITH LIGHT
Learn how to take excellent, jaw-dropping photographs that you see in magazines and on your favorite social media sites. You'll learn the basics of using a camera and how to avoid common photography mistakes.
*Duration:* Semester

**Required Materials:**
- Digital camera: “point and shoot” or above.
* A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture.
- Camera cord to transfer images to the computer
- Image Editing Software
- Lighting tools for side, front, and back lighting
FITNESS
Discover the basics of being physically fit and understand your body’s functions. Learn about the complex science behind exercise and determine how you can test your current level of fitness. Students will need basic fitness items along with a time and distance tracker or similar applications on a phone or tablet.

*Duration: Semester*

HEALTH
This course will help the student understand the importance of making decisions that will affect his or her physical, emotional, mental, and social health. This course will provide students with the knowledge and resources they will need to make responsible informed decisions about their health. Students will have an opportunity to evaluate their own values, opinions, and attitudes about health.

*Duration: Semester*

INDIVIDUAL AND TEAM SPORTS
To improve and maintain optimum health, it is necessary for people of all ages to participate in physical exercise. There is little doubt that, in addition to students in schools, the number of adults participating in sports and recreational activities in the United States has increased in recent years. The emphasis in this course is placed on the value of these sports as possible lifetime activities and on creating a clear explanation of the rules and basic principles of a variety of sports. The sports covered in this course are archery, bicycling, golf, skiing, tennis, volleyball, baseball, basketball, football, hockey, and soccer. Information about the playing area and equipment, basic rules, safety considerations, and terminology for each sport are included in the discussions. For the most part, the information presented in each lesson applies to sports programs throughout most sections of the United States.

*Duration: Semester*
CODING
Get an introduction to the basics of computer science and discover how to create and build your very own website using HTML and CSS. You’ll also become familiar with programming languages like JavaScript and Python Programming. You will leave the course with your very own portfolio of work that will showcase your skills and all that you’ve created. Once you’ve master the basics, you’ll expand your knowledge of programming languages and web development and further explore Advanced Python, HTML, and JavaScript. You will also learn the difference between web development and web application development and continue to grow your portfolio.

**Duration:** Two Semesters

**Required Materials:**
- Repl.it (Browser-based software that may need a login)

**Websites Used:**
- Logo Interpreter (Login Optional; Free):
- Typing Practice for Programmers (Sign in with Google or Demo; Free)
- Obvibase (Sign in with Google, Facebook, or email; Free):
- Newsela (Required for a lab question; Free):
- Tynker (Free)
- Lucidchart (Sign in with Google or email; Free)
- Repl.it (Free)

Must have an email address to create a free account.

COMPUTER BASICS
In this course, you will learn how to use productivity and collaboration tools such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys, and forms such as personal budgets and invitations.

**Duration:** Semester

EXPLORING INFORMATION TECHNOLOGY
This rigorous course in Information Technology introduces middle school students to the exciting career path or Information Technology. This is not simply an overview of the careers available within the Information Technology field. The lessons in Middle School Exploring Information Technology are detailed and some require that students use third-party websites not baked into the class itself. Students will come away from this class with a good understanding of this high-demand field.

**Duration:** Semester

GAME DESIGN
Learn how to build a game from the ground up in an interactive and hands-on course that will teach you all the ins and outs of making your own game. Learn the importance of game structure and discover what makes game fun, challenging, and interesting to players. Students will learn block-based programs and experiment with character and story development while learning to prototype, troubleshoot, and test. Learn how to critique a game and advertise it. Students will be able to build a game from beginning to end.

**Duration:** Two Semesters
JAVASCRIPT GAME DESIGN
This course will teach students JavaScript through coding multiple computer games including pong, fish, a platformer, and tower defense! Learn about variables, functions, listening events, loops, arrays, and objects. After successful completion of this course, students will be able to write code. This course assumes no prior coding experience.

*Duration:* Semester

KEYBOARDING
The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row, and the bottom row of the keyboard. The content is designed with a strong focus on sight and high-frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.

*Duration:* Semester
JOURNALISM: TELL YOUR STORY
Learn how to ask the right questions, look for the details, and find the story in any situation. You’ll learn how to gather information effectively, organize ideas, format stories for media production, and edit your articles.

*Duration: Semester*
DAVE RAMSEY’S FOUNDATIONS IN PERSONAL FINANCE®
In this Middle School course by Ramsey Education, students will learn about personal finance and the importance of both knowledge and behavior when it comes to managing money. This course introduces students to managing money, saving and interest, credit and debt, global economics, and consumerism.

*Duration: Semester*
CAREER EXPLORATION 1
Students will get the opportunity to explore careers in a variety of fields and disciplines and understand the necessary skills and education needed to choose a future path. Detailed information on the required education and training options for each are included.

*Duration:* Semester

CAREER EXPLORATION 2
Explore more careers and see what it takes to succeed. You’ll learn more about what steps are needed to prepare for your career and how to compare the pros and cons of different career choices.

*Prerequisite:* Career Exploration 1

*Duration:* Semester
i-READY MATH
This course is designed to personalize the student’s learning path in math. While their core courses are focused on grade level content standards, this course will take the student on a journey that is just the right fit for them. It begins with an online adaptive assessment. This assessment determines what math skills the student has mastered and what skills may need more practice. From there, individualized lessons will be loaded that enable a student to become a stronger and more confident mathematician.

*Duration: Two Semesters*

i-READY READING
This course is designed to personalize the student’s learning path in reading. While their core courses are focused on grade level content standards, this course will take the student on a journey that is just the right fit for them. It begins with an online adaptive assessment. This assessment determines what reading skills the student has mastered and what skills may need more practice. From there, individualized lessons will be loaded that enable a student to become a stronger and more confident reader.

*Duration: Two Semesters*

STUDY SKILLS
The Study Skills course equips students with skills and understandings critical to effective learning. Using a unique approach to the traditional topic of study skills, this course weaves understanding regarding the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, the Study Skills course will challenge students to develop intentional approaches to learning. They will be required to make connections between the strategies and skills they learn in this course and the implementation of those strategies and skills in their other coursework. Upon completion of the course, students will have learned a variety of specific learning skills and strategies, gained a greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans for any academic course or other learning needs.

*Duration: Semester*
KEYS TO SUCCESS
This course is designed for returning students that have already been guided through the Orientation course. Students will be presented with the key components and updates to the learning platform, school policies, and strategies for success. This course does not earn credit.

Prerequisite: This course is for returning students only.
Duration: Two Semesters

ORIENTATION
This course guides students through the Buzz learning platform, internet safety, and study skills strategies. Students will learn how to navigate through their learning platform, including how to submit lessons, how to locate and read their grade book and where to find teacher contact information. The internet safety portion of the course discusses information security, cyberbullying, how to stay safe on the internet and cheating/plagiarism. Study skill strategies covered include self-management, active reading, listening, the writing process, note-taking, and test-taking strategies. It is recommended that students complete this orientation course before beginning their scheduled academic courses.

Duration: Two Semesters
COURSE DESCRIPTIONS
HIGH SCHOOL
ADVANCED PLACEMENT® ENGLISH LANGUAGE & COMPOSITION A&B
Students learn to understand and analyze complex works by a variety of authors. They explore the richness of language, including syntax, imitation, word choice, and tone. They also learn composition style and process, starting with exploration, planning, and writing. This continues with editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP® exam.

**Prerequisites:** Successful completion of Language Arts 11 and teacher recommendation.
**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** English graduation requirement

ADVANCED PLACEMENT® ENGLISH LITERATURE & COMPOSITION A&B
This course allows students to explore a variety of genres and literary periods and to write clearly about the literature that they encounter. By the end of the second semester, the student will be well prepared for the AP examination. The student will evaluate how the elements of plot analysis, characterization, theme, point of view, symbolism, allegory, irony, and humor work together to create a story or novel that is worthy of literary acclaim. In addition to reading, the student will complete a wide variety of writing pieces in order to develop better writing skills in the following areas: narrative, exploratory, expository, and argumentative.

**Prerequisites:** Successful completion of Language Arts 11 and teacher recommendation.
**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** English graduation requirement

CONTEMPORARY NOVELS
For this course, students will read a set of novels and novellas that were written during the twentieth century and reflect themes common to contemporary literature, such as the ability of the human spirit to rise above seemingly-impossible circumstances. Through creative projects and writing assignments, students will identify and analyze each novel’s themes and also compare and contrast the novels’ treatment of common themes. Please note that, like most contemporary literature, the novels assigned for this course contain realistic situations and language. In addition to the novels listed, each student will read another contemporary novel of his or her choosing that the instructor must approve.

**Prerequisite:** Language Arts 9.
**Duration:** Semester | **Credits:** 0.5 | **Fulfills:** English graduation requirement

CREATIVE WRITING: UNLEASHING THE CORE OF YOUR IMAGINATION A&B
Students will discover how to build character story arcs, write dialogue, and use point of view to strengthen their narratives. Examine how revisions, drafts, and critiques bolster the writing process.

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Elective graduation requirement
GOTHIC LITERATURE: MONSTER STORIES
This course explores the techniques writers use to produce a thrilling psychological experience for the reader. The themes of terror versus horror, the power of the supernatural, and the struggle between good and evil are just a few of the classic Gothic subjects explored in this course.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

LANGUAGE ARTS 9 A&B**
This course includes engaging and interactive instruction about reading, writing, speaking, listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informative, and argumentative writing.

*Duration: Two Semesters | Credits: 1.0 | Fulfills: English graduation requirement*

LANGUAGE ARTS 10 A&B**
This course includes engaging and interactive instruction about reading, writing, speaking, listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informative, and argument writing.

*Prerequisite: Language Arts 9.
Duration: Two Semesters | Credits: 1.0 | Fulfills: English graduation requirement*

LANGUAGE ARTS 11 A&B**
In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics.

*Prerequisite: Language Arts 10.
Duration: Two Semesters | Credits: 1.0 | Fulfills: English graduation requirement*

LANGUAGE ARTS 12 A&B**
Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolve around the theme for the unit. Themes include the self, relationships, alienation, choice, and death. As students read these works, they have the opportunity to reflect on these important themes by writing in multiple modes and creating cross-disciplinary projects.

*Prerequisite: Language Arts 11.
Duration: Two Semesters | Credits: 1.0 | Fulfills: English graduation requirement*
ENGLISH LANGUAGE & LITERATURE

HIGH SCHOOL COURSES

MYTHOLOGY AND FOLKLORE: LEGENDARY TALES
Review mythology and different types of folklore and explore the universality and social significance of myths and folklore and learn how these tales continue to shape society today.
Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

PUBLIC SPEAKING A&B
Learn from famous orators like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. Explore the use of inductive and deductive reasoning, learn how to prepare a speech outline, and discover how to write your own speech using correct and emotive language.
Duration: Two Semesters | Credits: 1.0 | Fulfills: English graduation requirement

READING AND WRITING FOR PURPOSE
Introduces useful, real-world information by having students learn to read legal, insurance, employment, and vehicle-related documents. Furthermore, students will explore media bias, trends in journalism, word structures, research strategies. and learn how to critically read and identify good sources of information.
Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

THE LORD OF THE RINGS: AN EXPLORATION OF THE FILMS AND THEIR LITERARY INFLUENCES
In this course, you will see first-hand how classic literature can become modern film and bring the fantasy alive for a whole new generation of believers.
Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement
Required Materials:
You will be required to have access to the standard editions of the three Lord of the Rings films:
• The Lord of the Rings: The Fellowship of the Ring
• The Lord of the Rings: The Two Towers
• The Lord of the Rings: The Return of the King
If you do not already have access to these movies, you may consider other sources such as your local library.
Note: Timestamps referenced throughout the course apply to standard editions of the applicable film and may not align with any extended/modified versions.
HIGH SCHOOL COURSES

ADVANCED PLACEMENT® CALCULUS AB A&B
This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP® exam.

Prerequisites: Successful completion of Pre-Calculus and teacher recommendation
Duration: Two Semesters | Credits: 1.0 | Fulfills: Mathematics graduation requirement
Required Materials:
• Graphing calculator

ADVANCED PLACEMENT® CALCULUS BC A&B
AP® Calculus BC is roughly equivalent to both first and second-semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP® course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Prerequisites: Successful completion of Pre-Calculus and teacher recommendation
Duration: Two Semesters | Credits: 1.0 | Fulfills: Mathematics graduation requirement
Required Materials:
• Graphing calculator

ALGEBRA 1 A&B**
Algebra 1 introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations, and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. This course provides a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis, and probability.
Prerequisite: Pre-Algebra
Duration: Two Semesters | Credits: 1.0 | Fulfills: Mathematics graduation requirement

*Honors option available
+Credit Recovery option available
**MATHEMATICS**

**HIGH SCHOOL COURSES**

**ALGEBRA 2 A&B***

In this course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

*Prerequisite: Algebra 1
*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Mathematics graduation requirement

**CONSUMER MATH A&B**

This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. The first semester will cover paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards, interest calculations, and comparison shopping. Second semester topics include vehicle and home purchasing, investing, and business and employee management.

*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Mathematics graduation requirement

**GEOMETRY A&B***

This course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students’ ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

*Prerequisite: Algebra 1
*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Mathematics graduation requirement

**PRE-ALGEBRA A&B**

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. Lessons provide demonstrations of key concepts as well as interactive problems with contextual feedback. A textbook supplements the online material.

*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Mathematics graduation requirement

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*Honors option available
*Credit Recovery option available
PRE-CALCULUS A&B

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second-semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers.

**Prerequisite:** Algebra 2

**Duration:** Two Semesters  |  **Credits:** 1.0  |  **Fulfills:** Mathematics graduation requirement
ADVANCED PLACEMENT® BIOLOGY A&B
This course guides students to a deeper understanding of biological concepts, including the diversity and unity of life, energy, and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms, and interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the scientific process and critical thinking skills necessary to answer questions on the AP® Biology exam.

Prerequisites: Successful completion of Biology and teacher recommendation
Duration: Two Semesters | Credits: 1.0 | Fulfills: Science graduation requirement
Required Materials:
• AP® Biology Lab Kit

ADVANCED PLACEMENT® CHEMISTRY A&B
This course is taught at the college-level and is designed to prepare students to take the Advanced Placement® Examination. Topics include an introduction to chemistry as the study of change, gases, thermochemistry, quantum theory, chemical bonding, crystals, phase changes, solutions, chemical kinetics, chemical equilibrium, acids and bases, entropy, electrochemistry, nuclear chemistry, metallurgy, alkali and alkaline metals, nonmetallic metals, transition metals, organic chemistry, and synthetic and natural organic polymers.

Prerequisites: Successful completion of Chemistry and teacher recommendation
Duration: Two Semesters | Credits: 1.0 | Fulfills: Science graduation requirement
Required Materials:
• Advanced Microchem Kit

ADVANCED PLACEMENT® PHYSICS A&B
AP® Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.

Prerequisites: Successful completion of Algebra II, Physics, and teacher recommendation
Duration: Two Semesters | Credits: 1.0 | Fulfills: Science graduation requirement
Required Materials:
• Graphing calculator
• Bernier Dynamics Track and Cart System
• Lab Materials
HIGH SCHOOL COURSES

**LIFE & PHYSICAL SCIENCES**

**ANATOMY AND PHYSIOLOGY A&B**
Learn about cell structure and their processes and discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics.

*Prerequisite:* Biology
*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Science graduation requirement

**Required Materials:**
- Access to a blood pressure monitor

**ASTRONOMY A&B**
This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Explore the solar system, the sun, comets, asteroids, and meteors as well as become familiar with the concepts of space travel and settlements.

*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Elective graduation requirement

**BIOLOGY A&B**
Biology introduces students to the scientific method and the major concepts of biology from a historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms.

*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Science graduation requirement

**CHEMISTRY A&B**
This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. An algebra background is recommended because of the amount and type of math involved.

*Prerequisites:* Algebra 1
*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Science graduation requirement

**EARTH SCIENCE A&B**
This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods.

*Prerequisite:* Pre-Algebra
*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Science graduation requirement

*Honors option available
*Credit Recovery option available
GREAT MINDS IN SCIENCE: IDEAS FOR A NEW GENERATION
Similar to such famous minds from history as Edison, Einstein, Curie, and Newton, the scientists of today are finding ways to revolutionize our lives and the world. This course takes an in-depth look at the extraordinary work of these individuals and demonstrates how their ideas may very well shape the world of tomorrow.

*Duration: Semester | *Credits: 0.5 | *Fulfills: Elective graduation requirement

MARINE SCIENCE: SECRETS OF THE BLUE A&B
Through the use of scientific inquiry, research, measurement, and problem solving, you will conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science.

*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Elective graduation requirement

NUTRITION AND WELLNESS
Learn the essential skills needed to pursue a healthy, informed lifestyle by learning how to locate, buy, and prepare fresh, delicious food that will make you, and your body, feel amazing.

*Duration: Semester | *Credits: 0.5 | *Fulfills: Elective graduation requirement

PALEONTOLOGY
From Godzilla to Jurassic Park, dinosaurs continue to captivate us. In this course, students will learn about the fascinating creatures both large and small that roamed the earth before modern man. Watch interesting videos from experts at The Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide amazing insight into early life on earth.

*Duration: Semester | *Credits: 0.5 | *Fulfills: Science graduation requirement

PHYSICAL SCIENCE A&B†
This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers.

*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Science graduation requirement

PHYSICS A&B**
This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. Students apply mathematical concepts such as graphing and trigonometry in order to solve physics problems.

*Prerequisite: Algebra 2

*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Science graduation requirement

†Credit Recovery option available
SPACE EXPLORATIONS
In 1961, Yuri Gagarin became the first human to go to space. In 1969, Neil Armstrong became the first human to step on the moon. This comprehensive course will examine the history and future of space travel. Find out how we have put people in space in the past, and what it will take for us to reach new frontiers, including Mars and beyond.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

VETERINARY SCIENCE: THE CARE OF ANIMALS
Learn how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Examine how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

WORLD OF STEAM
Each aspect of the arts relies on science and technology. In The World of STEAM, students will learn why the eye sees color, how a dancer uses gravity, and what makes a sound wave travel. The arts, science, and technology are intertwined, now more than ever. Understanding the science behind the art will elevate students to a new level of creativity.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement
ADVANCED PLACEMENT® EUROPEAN HISTORY A&B
This AP® study of European history since 1300 introduces students to economic, cultural, social, and political developments. These developments played a fundamental role in shaping the world in which they live. The second semester will introduce students to the birth of modern political thought, the Great Depression, and World War II. They will study the Cold War and the collapse of communism and wrap up with the dawn of the 21st Century. Students will complete a project at the end of each unit with the final project being a critical analysis. This course will prepare students for the AP® Exam.
Prerequisite: Available to grades 11 and 12
Duration: Two Semesters | Credits: 1.0 | Fulfills: Social Studies graduation requirement

ADVANCED PLACEMENT® GOVERNMENT & POLITICS A&B
This course examines the U.S. political system. Students in this course will discuss political ideology, the development of the political system, and democratic institutions. Students should, according to the College Board, gain an “analytical perspective on government and politics in the United States.” Furthermore, students will study “both the general concepts used to interpret U.S. politics and the analysis of specific examples” throughout history. The class discussion will require that students acquire a “familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics.” The main emphasis of the course, however, is to be able to apply a basic comprehension of the U.S. political system to contemporary events.
Prerequisite: Available to grades 11 and 12
Duration: Two Semesters | Credits: 1.0 | Fulfills: Social Studies graduation requirement

ADVANCED PLACEMENT® US HISTORY
This course focuses on exploring and analyzing American historical events, individuals, and cultural trends. Students will be prepared with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The first-semester course covers the time frame of 1492 to 1877, and the second-semester course covers the time frame 1878 to the present. This course is designed to prepare students for the Advanced Placement® exam in United States History.
Prerequisite: Available to grades 11 and 12
Duration: Two Semesters | Credits: 1.0 | Fulfills: Social Studies graduation requirement

ADVANCED PLACEMENT® WORLD HISTORY
The first semester of AP® World History delves into the history of mankind. Looking back to the prehistoric times, students will develop the connections between the early river valleys, the beginnings of civilizations, and governments. Through this semester, students will be introduced to concepts that will be placed on the AP® examination, and will also be given multiple opportunities to practice skills necessary for the AP® exam. This specific time will start from the First Agricultural Revolution to the Age of Exploration.
Prerequisite: Available to grades 11 and 12
Duration: Two Semesters | Credits: 1.0 | Fulfills: Social Studies graduation requirement
AFRICAN AMERICAN HISTORY A&B
Learn about the political, economic, social, religious, and cultural factors that have influenced African American life, beginning with the slave trade on up to the modern Civil Rights movement, and explore how the African American story still influences current events today.

*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: Social Studies graduation requirement

AMERICAN GOVERNMENT**
This course will guide students through an in-depth study of the history, structure, and guiding principles of the American government. The first unit will review the origins of government in general and American government in particular—from the earliest models for democracy to the founding documents that created a federalist system of government in the U.S. Several units will help students explore the roles and responsibilities of each branch of government as well as the impact that the Constitution has had and continues to have on the way government works and on the lives of individual Americans.

*Duration: Semester | *Credits: 0.5 | *Fulfills: U.S. Government graduation requirement

AMERICAN HISTORY A&B**
This course covers the discovery, development, and growth of the United States. Major topics include: American Indian cultures; European colonization of the Americas; and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. Through reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Students will also look at the nation in terms of economic, social, and political trends during the last century. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past.

*Duration: Two Semesters | *Credits: 1.0 | *Fulfills: U.S. History graduation requirement

ANTHROPOLOGY 1: UNCOVERING HUMAN MYSTERIES
This course offers an anthropologic lens to observe our movement from cave dweller to modern human. Learn how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions.

*Duration: Semester | *Credits: 0.5 | *Fulfills: Social Studies graduation requirement

ANTHROPOLOGY 2: MORE HUMAN MYSTERIES UNCOVERED
Begin to visualize new ideas about how ancient cultures flourished through examining their views on life, death, art, and survival. In looking back and learning about cultures through the ages, we are better equipped to understand the world around us today.

*Duration: Semester | *Credits: 0.5 | *Fulfills: Social Studies graduation requirement

*Honors option available
†Credit Recovery option available
ARCHAEOLOGY: DETECTIVES OF THE PAST
Explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

CIVICS†
In this course, students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal, state, and local government, the justice system, political systems the environment, and the economy. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society.

*Duration: Semester | Credits: 0.5 | Fulfills: U.S. Government graduation requirement*

ECONOMICS*†
Students are introduced to the basics of economic principles, and they learn the importance of understanding different economic systems. They also investigate how to think like an economist. Students explore different economic systems, including the American free enterprise system, and they analyze and interpret data to understand the laws of supply and demand. Students are also presented with economic applications in today’s world. From economics in the world of business, money, banking, and finance, students see how economics is applied both domestically and globally. Students also study how the government is involved in establishing economic stability in the American free enterprise system as well as how the U.S. economy has a global impact.

*Duration: Semester | Credits: 0.5 | Fulfills: Social Studies graduation requirement*

HISTORY OF THE HOLOCAUST
Explore the causes of the Holocaust, the experiences of Jews and other individuals during this time, and what has been done to combat genocide since WWII.

*Duration: Semester | Credits: 0.5 | Fulfills: Social Studies graduation requirement*

HUMAN GEOGRAPHY: OUR GLOBAL IDENTITY
Explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. In this course, you’ll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.

*Duration: Semester | Credits: 0.5 | Fulfills: Social Studies graduation requirement*
PERSONAL PSYCHOLOGY 1: THE ROAD TO SELF DISCOVERY
Trace the development of personality and behavior from infancy through adulthood. Learn about perception and consciousness and better understand the role of sensation.
*Duration: Semester | Credits: 0.5 | Fulfills: Social Studies graduation requirement*

PERSONAL PSYCHOLOGY 2: LIVING IN A COMPLEX WORLD
Explore how we learn and remember and investigate some common mental illnesses and their treatments. Examine the impact of stress on our emotions and mental health and learn about what influences personality and emotions.
*Prerequisite: Personal Psychology 1
Duration: Semester | Credits: 0.5 | Fulfills: Social Studies graduation requirement*

PHILOSOPHY: THE BIG PICTURE
Philosophers of the Western world are among the world’s most brilliant and influential thinkers and originated the fundamental ideas of Western civilization. In this course, you will better understand yourself and the world around you—from atoms to outer space and everything in between.
*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

SOCIAL PROBLEMS 1: A WORLD IN CRISIS
Explore some of the biggest challenges facing our world today and prepare to tackle them head-on. Learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them.
*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

SOCIAL PROBLEMS 2: CRISIS, CONFLICTS AND CHALLENGES
Explore more of the challenges we face and learn what we can do to reduce the effects of these conflicts and problems. From drug abuse to terrorists to the changing nature of communities in our digital world, we can better face and solve these problems when we have a deeper understanding of their causes and influences on our lives.
*Prerequisite: Social Problems 1
Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

SOCIOLOGY 1: THE STUDY OF HUMAN RELATIONSHIPS
Explores culture, group behavior, and societal institutions and how they affect human behavior. You’ll learn how social beliefs form and how this shapes our lives.
*Duration: Semester | Credits: 0.5 | Fulfills: Social Studies graduation requirement*
SOCIOLOGY 2: YOUR SOCIAL LIFE
Discover how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change.

Prerequisite: Sociology I
Duration: Semester | Credits: 0.5 | Fulfills: Social Studies graduation requirement

WORLD GEOGRAPHY A&B†
This course explores world geography on a region-by-region basis and covers a broad range of geographical perspectives. Each unit covers one continent or other major geographical region of the world. Units include North America, Central America, South America, Western Europe, Eastern Europe and Russia, East Asia, Southeast Asia and the Pacific Cultures, Africa, India, and the Middle East.

Duration: Two Semesters | Credits: 1.0 | Fulfills: Social Studies graduation requirement

WORLD HISTORY A&B*†
In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative.

Duration: Two Semesters | Credits: 1.0 | Fulfills: Social Studies graduation requirement

WOMEN’S STUDIES: A PERSONAL JOURNEY THROUGH FILM
This course focuses on the experience of women. It’s appropriate for anyone who wants to learn to critically examine films while learning about the history of the women’s movement and how gender, race, and social class influence us.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

Required Materials:
You will be required to have access to the standard editions of the films used in this course:

- Fried Green Tomatoes (1991)
- Far From Heaven (2002)
- Snow White and the Seven Dwarfs (Disney Animation – 1937)
- Beauty and the Beast (Disney Animation – 1991)
- The Help (2011)
- A League of Their Own (1992)

If you do not already have access to these movies, you may consider other sources such as your local library.

Note: Timestamps referenced throughout the course apply to standard editions of the applicable film and may not align with any extended/modified versions.
WORLD RELIGIONS: EXPLORING DIVERSITY
Explores the various characteristics of faith and introduce the fundamentals of the major religions, including Judaism, Islam, Christianity, Buddhism, Confucianism, Hinduism, Shintoism, and Taoism. You’ll trace how these powerful faiths have influenced cultures over thousands of years and helped to shape the face of humanity.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement
3D MODELING A&B
Gain a deeper understanding of graphic design and illustration as you use 3D animation software to create virtual three-dimensional design projects. Hone in on your drawing, photography, and 3D construction techniques and develop the skills needed to navigate within a 3D digital modeling workspace.

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Fine Art or Technology graduation requirement

**Required Materials:**
This course was created using Blender version 2.79 and requires a computer running Windows Vista and above, Mac OSX 10.6 and above, or Linux.

**Minimum Hardware Requirements:**
- 32-bit dual core 2GHz CPU with SSE2 support
- 2 GB RAM
- 24 bits 1280×768 display
- Mouse or trackpad
- OpenGL 2.1 compatible graphics with 512 MB RAM

**Recommended Hardware Requirements:**
- 64-bit quad core CPU
- 8 GB RAM
- Full HD display with 24 bit color
- Three button mouse
- OpenGL 3.2 compatible graphics with 2 GB RAM

ANIMATION A&B
Learn how to use animation tools to conceptualize and bring your animation dreams to life. By using various software and design programs, you’ll have the power to transform your creative notions into reality as you design, define, and complete a variety of digital design projects, including creating your own website!

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Elective graduation requirement

**Required Materials:**
The following programs will need to be downloaded for use during the course:
- Stop Motion Studio App
- GIMP (GNU Image Manipulation Program)
- Tupi 2D Magic
- Blender
- DaVinci Resolve

Programs will run on Windows XP and higher, Linux and Mac computers.

**Recommended Items and Computer System Requirements:**
- Smartphone or tablet computer
- Computer with keyboard that includes number pad
- 64-bit quad core CPU
- 8 GB of RAM
- HD display
- Three-button mouse
- OpenGL 3.2 compatible graphics card with 2 GB of RAM

**System Requirements:**
- 2 GB of RAM
- 32-bit dual core
- 2 GHz CPU
- An OpenGL 2.1 compatible graphics card or chip
ART APPRECIATION
What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design and explore how artists have used these elements and principles in the creation of art for centuries.

*Duration: Semester* |  
*Credits: 0.5* |  
*Fulfills: Fine Art or Technology graduation requirement*

ART IN WORLD CULTURES A&B
Learn about some of the greatest artists in the world while creating your own art, both on paper and digitally. This course explores the basic principles and elements of art and teaches you how to critique different works of art.

*Duration: Two Semesters* |  
*Credits: 1.0* |  
*Fulfills: Fine Art or Technology graduation requirement*

DIGITAL PHOTOGRAPHY 1: INTRODUCTION
Learn the basics of photography and camera functions, including aperture, shutter speed, natural vs. artificial lighting, and elements of composition. Students will explore how an image is created and will study the history of photography and advances in camera technology over the last several centuries.

*Duration: Semester* |  
*Credits: 0.5* |  
*Fulfills: Elective graduation requirement*

**Required Materials:**
- Manual camera or digital camera with manual settings (the camera needs to allow for the mode, shutter speed, and aperture to be adjusted)  
  *A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture.*
- Tripod (or necessary item(s) to create a stable foundation such as a table)  
- Reflector (white paper, poster board, sheets, or a wall can also serve as a reflector)  
- Image editing software
DIGITAL PHOTOGRAPHY 2: DISCOVERING YOUR CREATIVE POTENTIAL
Build on the composition techniques and camera functions you learned in Digital Photography I to build a portfolio of a variety of images. Learn special techniques that will help you shoot quality portraits, action shots, and landscapes. Explore sports, pet, and wildlife photography and discover various career paths in the field.

Prerequisite: Digital Photography I
Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement
Required Materials:
• Digital camera: “point and shoot” or above
  A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture.
• One frame (of your choice) to display a photograph on the wall
• 3M strip (or something similar)
• Image editing software capable of the following:
  • adjusting color and brightness
  • resizing images
  • applying filters and special effects like texture or glitter
  • creating layers
cropping
  • changing a photo to black and white

FASHION AND INTERIOR DESIGN A&B
Explore the world of design and try your hand at designing through a project-based process, learning how color, composition, and texture can all affect great aesthetics. You’ll develop the kind of portfolio that will lead to future career opportunities. Students will need a sewing machine and basic sewing materials such as thread, fabric, and clothing patterns for this course.

Duration: Two Semesters | Credits: 1.0 | Fulfills: Fine Art of Technology graduation requirement

FILM AND TELEVISION
The culture of cinema and television tells a unique story of history and innovation. Students in Film and Television will be introduced to industry icons and stars of the big and small screen. By studying and writing about film and television, students will analyze trends in technology and culture and better understand how to be an informed viewer.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

GRAPHIC DESIGN
Graphic Design is an introduction to elements of design, spatial relationships, typography, and imagery as they apply to practical visual solutions for self-promotion, resumes, logo design, Web design, and sequential systems. In this course, the student explores the basic foundations of design through a series of visual projects that explore the principles and elements of design. Students will work both with analog and digital media as they explore two-dimensional and three-dimensional design along with color theory. This course will help develop and explore a student’s ability to communicate visually.

Duration: Semester | Credits: 0.5 | Fulfills: Fine Art or Technology graduation requirement
MUSIC APPRECIATION: THE ENJOYMENT OF LISTENING
Provides a historical perspective on music from the Middle Ages to the 21st century, but it will also teach you the essentials of how to listen and hear (with a knowledgeable ear) the different music that's all around you.

*Duration:* Semester  |  *Credits:* 0.5  |  *Fulfills:* Fine Art or Technology graduation requirement

PHOTOJOURNALISM
A powerful image can tell an eloquent story without words. Students in Photojournalism will be introduced to some of the pioneers who set the standards for this unique way of storytelling. As they study the principal types of photojournalism and the ethical responsibilities a photojournalist has behind the lens, students will develop their own storytelling skills through their writing and their photographs.

*Duration:* Semester  |  *Credits:* 0.5  |  *Fulfills:* Elective graduation requirement

THEATER, CINEMA AND FILM PRODUCTION A&B
Learn the basics of lighting, sound, wardrobe, and camera work while examining the magic that happens behind all the drama. Discuss and analyze three classic American films—Casablanca, Singin’ in the Rain, and The Wizard of Oz—to help students learn how to critique and appreciate some of the most famous dramas of all time.

*Duration:* Two Semesters  |  *Credits:* 1.0  |  *Fulfills:* Elective graduation requirement

**Required Materials:**

You will be required to have access to the standard editions of the three films used in this course:

- Singin’ in the Rain (1952)
- Wizard of Oz (1932)
- Casablanca (1942)

If you do not already have access to these movies, you may consider other sources such as your local library.

**Note:** Timestamps referenced throughout the course apply to standard editions of the applicable film and may not align with any extended/modified versions.
**DRIVER'S ED**
This course includes videos and tests to provide general driver’s education. The course may satisfy some state requirements for earning a learner’s permit. Additionally, students may earn potential discounts for having completed this class in driver’s education. Please note that students and parents should confirm what, if any, state requirements are met by this course before the student enrolls.

*Prerequisite:* Enrolling students are required to be 14.5 years of age or older prior to the first day of class.

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement

**HEALTH 1: LIFE MANAGEMENT SKILLS**
Learn how to promote better health by decreasing stress and finding a fuller vision of your life. Explore factors that can influence your overall health such as positive interactions with others, quality health care, and sensible dietary choices. Students will develop their own health improvement plan.

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement

**HEALTH A&B**
In this course, students acquire the knowledge and skills they need to lead a healthy life. Semester 1 focuses on the impact of personal decisions on the student’s own health. Students learn how to find, evaluate, and use reliable information related to a variety of health topics. They also study the basic science behind nutrition, exercise, stress, and psychology, and examine how these factors affect a person’s overall health. Students learn about some of the more dramatic changes that the human body experiences from birth to death. They explore topics related to aging and sexuality and identify ways to remain healthy and safe throughout life’s major events and challenges.

*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Elective graduation requirement

**PERSONAL FITNESS**
In this course, students are introduced to exercise and physical fitness and the general recommendations for physical activity, and tips for kick-starting a healthier lifestyle. Students will learn about bones and joints and the functions of the skeleton, and different types of movements that occur at various joints. Students will explore the functions that muscles perform, how they work, and their interaction with the central nervous system and special considerations for safe and effective exercise. The cardio and respiratory systems and how they work and interact with each other will be discussed. Students will learn about the body’s energy systems and how eating and drinking relates to exercise. Finally, students will learn about the psychology of exercising.

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement
PHYSICAL EDUCATION A&B

Physical Education encompasses learning how to live and maintain a healthy lifestyle. This course covers physical fitness, why it is important, how to have a healthy attitude, and how to stick with a healthy game plan. In this ever-changing world, physical fitness becomes more important and more difficult to find the time for. This course allows the student to discover how to make physical fitness not only a part of their daily life but also see that it is attainable. This course leads the student to discover healthy behaviors and sets the tone for physical fitness as well as healthy exercise. This course will examine the emotional, physical, and scientific factors that influence physical performance. This course is designed for anyone, ranging from the beginner to advanced abilities.

Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement
MILITARY CAREERS

The military offers far more career diversity than most people imagine, and Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military branches—Air Force, Army, Coast Guard, Marines Corps, and Navy—and examine which jobs you might like to pursue.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement
ACCESS: OFFICE FUNDAMENTALS SERIES
Learn to create, manage, and link databases for essential business operations. Develop your database, design, and planning skills and learn to implement security features to protect and back-up your important data. Put your new skills into practice with a capstone project. The content of this course will be applicable to the Microsoft Office Suite certification exam.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Fine Art or Technology graduation requirement  
**Required Materials:**  
  - Microsoft Office 2019, or an Office 365 Subscription

CODING A&B
Explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. Discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security. Learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. Examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing.

**Duration:** Two Semesters  |  **Credits:** 1.0  |  **Fulfills:** Fine Art or Technology graduation requirement  
**Required Materials:**  
  - Students will need to create a free account for the following sites:  
    - [https://www.pythonanywhere.com/](https://www.pythonanywhere.com/)  
    - [https://trinket.io/](https://trinket.io/)  
    - [trello.com](http://trello.com)  
  - Students will use the following site to create flowcharts: [https://www.draw.io/](https://www.draw.io/)  
They can interact with these web sites through any typical web browser.

EXCEL: OFFICE FUNDAMENTALS SERIES
Discover how Excel can manage information in both personal and business environments by configuring data in a variety of Excel formats using formulas, charts, and tables. Explore how Excel integrates with other Microsoft Office processes and learn how to collaborate on files and presentations. This course applies to the Microsoft Office Suite Certification Exam.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Fine Art or Technology graduation requirement  
**Required Materials:**  
  - Microsoft Office 2019, or an Office 365 Subscription
FOUNDATIONS OF GAME DESIGN
Learn about the principles of game design through the stages of development, iterative process, critiques, and game development tools.

*Duration*: Semester | *Credits*: 0.5 | *Fulfills*: Fine Art or Technology graduation requirement

GAME DESIGN A&B
Learn about video game software and hardware, various gaming platforms, necessary technical skills, troubleshooting and internet safety techniques, and the history of gaming and create your very own plan for a 2D video game! Sharpen your coding skills, learn about game storylines, player progression, and algorithmic decision making. Learn to analyze player goals, actions, rewards, and challenges, among many other gameplay components.

*Duration*: Two Semesters | *Credits*: 1.0 | *Fulfills*: Fine Art or Technology graduation requirement

**Required Hardware and Software:**
- Blender 2.79b
- Vectr
- Unity LTS Release 2017.4.0f1
- OS: Windows 7 SP1+, 8, 10, 64-bit versions only; Mac OS X 10.9+.
- GPU: Graphics card with DX10 (shader model 4.0) capabilities
- GIMP 2.10.2 (Unit 1)
- Audacity 2.2.2 (Unit 6)
- Jing (Unit 6)
- OpenShot v2.4.2 (Activity 7)

INTRODUCTION TO JAVA PROGRAMMING
Java is one of the most widely used computer languages in the world. This course will teach students Java by having them complete multiple projects, both in the console and user interface, including mad libs, player vs computer games, battleship, tic tac toe, picture shuffler, and many more. This course is meant to give students intensive experience in Java by creating multiple stand-alone programs. This course assumes no coding experience with Java programming and includes self-graded quizzes and tests.

*Duration*: Semester | *Credits*: 0.5 | *Fulfills*: Fine Art or Technology graduation requirement

JAVASCRIPT
In this course, students will learn how to start programming with JavaScript. Students will learn the basics of JavaScript including testing, functions, objects, arrays, loops, conditional code, operators, and syntax basics. Students will learn timing and animations, and how to debug. The class will conclude with a robust project that incorporates everything they learned in the semester.

*Prerequisite*: Students should have a working knowledge of HTML and CSS prior to taking this course.

*Duration*: Semester | *Credits*: 0.5 | *Fulfills*: Fine Art or Technology graduation requirement
KEYBOARDING
The keyboarding course introduces new keys by rows where students first learn the middle row, then the top row, and the bottom row of the keyboard. The content is designed with a strong focus on sight and high-frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.

**Duration:** Semester | **Credits:** 0.25 | **Fulfills:** Fine Art or Technology graduation requirement

OUTLOOK: OFFICE FUNDAMENTALS SERIES
Learn Outlook’s functions to produce professional communications. Understand effective communication techniques, work with attachments, format a reply, and manipulate calendars, contacts, and tasks. Content applies to the Microsoft Office Suite Certification Exam.

**Duration:** Semester | **Credits:** 0.5 | **Fulfills:** Fine Art or Technology graduation requirement

**Required Materials:**
- Microsoft Office 2019, or an Office 365 Subscription

POWERPOINT: OFFICE FUNDAMENTALS SERIES
Learn to create clean and professional presentations while also building your skills as a speaker, leader, and marketer! Create and format presentations while inserting multimedia, images, transitions, and animations to make a dynamic final product! The content of this course will also apply to the Microsoft Office Suite certification exam.

**Duration:** Semester | **Credits:** 0.5 | **Fulfills:** Fine Art or Technology graduation requirement

**Required Materials:**
- Microsoft Office 2019, or an Office 365 Subscription

PRINCIPLES OF INFORMATION TECHNOLOGY A&B
Learn about computer hardware, von Neumann architecture, peripherals, and maintenance as well as data management and storage options. Learners will trace the history of operating systems and application software while also exploring network systems, administration, and troubleshooting.

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Fine Art or Technology graduation requirement

**Required Materials:**
- A database program such as Microsoft Access or Obvibase
WORD: OFFICE FUNDAMENTALS SERIES
Learn how to use fonts, colors, and editing tools to create letters and reports. Discover how to format documents, create tables, use bullets and numbering, and insert images. The content of this course prepares you to take the Microsoft Office Specialist Word Certification exam and applies to the Microsoft Office Suite Certification Exam.

Duration: Semester | Credits: 0.5 | Fulfills: Fine Art or Technology graduation requirement

Required Materials:
• Microsoft Office 2019, or an Office 365 Subscription
DIGITAL MEDIA
Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. It’s oriented toward teaching broad, flexible tools and concepts that are not tied to any one platform or program. Each module ends with a culminating task (like a podcast or short film), and students will be able to draft and develop their projects as they build their skills over each lesson.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement

JOURNALISM A&B
Explore the history of journalism and see how social media and the digital world has changed the way news media operates. Learn the basics of press law as well as the code of ethics journalists should follow. Learn how to write a lead that grabs your readers, discover the roles of sources and how to interview them effectively, and explore the best options for researching your story. Understand the role editors and producers play in the revision process and how to follow the publication process.

**Duration:** Two Semesters  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement

LEARNING IN A DIGITAL WORLD: STRATEGIES FOR SUCCESS
Learn about real-world issues and how to solve real-world problems through interactive and hands-on assignments. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement

MEDIA & COMMUNICATIONS
From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. Students will also examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement

SOCIAL MEDIA: OUR CONNECTED WORLD
Learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit—personally, academically, and eventually, professionally.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement
ACCOUNTING
In this semester course, students will explore accounting, including investigating accounting careers. Students will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. Students will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

ADVERTISING AND SALES PROMOTION A&B
Learn how marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. Examine different marketing career opportunities.

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*

BUSINESS INFORMATION MANAGEMENT A&B
Explore types of businesses and the elements of business planning. Learn about the initial requirements to start a business, examine business finances, marketing, sales, and the importance of customer service. Computer hardware, networks, and the internet are discussed as well as the basics of web design, ethics, and business law. Learn about professional conduct, teamwork, and managerial skills while also examining careers in business technology.

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*

BUSINESS LAW
Students learn about the American legal system. They examine ethics, court systems, criminal law, and the law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the course, they will also gain an understanding from a business perspective what is right and wrong business actions and employment laws. As an employee or employer, it is important to understand the laws that protect the employee and employer. The study will focus on the formation of a business and the basic legal issues associated with each type of business.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

DAVE RAMSEY’S FOUNDATIONS IN PERSONAL FINANCE®
In this course offered by Ramsey Education, learn the basic principles of economics and best practices for managing finances. Learn how to save money, create budgets, develop long-term savings plans, and make responsible choices about debt, insurance, investing, and retirement.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*
ENTREPRENEURSHIP: STARTING YOUR BUSINESS A&B
Discover what is needed to operate a personal business from creating a plan, generating financing, and pricing products to marketing services and managing employees.
*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Elective graduation requirement

INTERNATIONAL BUSINESS: GLOBAL COMMERCE IN THE 21ST CENTURY
Gain the knowledge, skills, and appreciation to live and work in the global marketplace. Begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of a global business in the 21st century.
*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement

INTRODUCTION TO BUSINESS
This course introduces students to the basic business concepts that will help them understand how a business survives in today’s economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.
*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement

MANUFACTURING: PRODUCT DESIGN AND INNOVATION A&B
In this course, you will learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product!
*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Elective graduation requirement

MARKETING FOUNDATIONS A&B
Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Furthermore, examine how to identify target markets, perform market research, and develop successful marketing and advertising strategies. Identify, the legal and ethical considerations of business and marketing are discussed along with the impact of government on business. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!
*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Elective graduation requirement
PERSONAL AND FAMILY FINANCE
Learn how to spend and save your money wisely, invest in safe opportunities, and the key financial concepts around taxes, credit, and money management.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

PRINCIPLES OF BUSINESS, MARKETING, FINANCE A&B
Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems. Expand your knowledge of the basics to explore advanced topics, such as marketing strategy, banking, and investments. Examine employability skills and careers in business, finance, and marketing as well as various entrepreneurship opportunities.

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*

SPORTS AND ENTERTAINMENT MARKETING A&B
Explore basic marketing principles while delving deeper into the sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful.

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*
HIGH SCHOOL COURSES

BIOTECHNOLOGY A&B
Learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved agricultural systems. Learn about some of the challenges biotechnology faces today, such as the growth of antibiotic-resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs).

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Fine Art or Technology graduation requirement*

HEALTH SCIENCE I: THE WHOLE INDIVIDUAL
Introduces the learner to health science disciplines as toxicology, clinical medicine, and biotechnology.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

HEALTH SCIENCE II: PATIENT CARE AND MEDICAL SERVICES A&B
Learn how to promote wellness, communicate with patients, and understand safety in the workplace. Become familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics.

*Prerequisites: Health Science I: The Whole Individual*

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*

HEALTH SCIENCE FOUNDATIONS A&B
Learners will acquire foundational knowledge required to pursue a career, in the healthcare industry and the education, training, and credentials needed to attain them. Basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities are also discussed. Analyze responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Infection control, first aid, CPR, and measuring vitals are discussed in detail. Learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. Finally, examine effective teamwork and leadership characteristics while building your employment skills.

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Fine Art or Technology graduation requirement*

**Required Materials:**
- First Aid kit and supplies
- Surgical Gloves
- Thermometer
HEALTH SCIENCE: NURSING
Explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients.
*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

HEALTH SCIENCE: PUBLIC HEALTH
Explore the role current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities and fascinating real-life situations.
*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

MEDICAL TERMINOLOGY: INTRODUCTION AND DISCOVERING
Explore the unique terms and abbreviations of the medical world, investigate the systems that make up the human body, and learn how to become an effective member of the medical team. Connect this language to real world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms.
*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*
CRIMINOLOGY: INSIDE THE CRIMINAL MIND
Investigate how the psychological, biological, and sociological mental state of a person affects the criminal mind and how the criminal justice system upholds the law.

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement

CYBERSECURITY A&B
This course introduces you to the tools, technologies, and methods needed to protect online information and addresses how these issues are impacting safety and rights on a global and personal level. Learn to avoid the various types of cyberattacks, including those to your social media accounts. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers.

*Duration:* Two Semesters | *Credits:* 1.0 | *Fulfills:* Fine Art or Technology graduation requirement

**Required Materials:**

**Software:**
- Wireshark
- Virtual Box

In order to run Wireshark on your machine, you need:
- Hard disk: USB memory stick 
  (Recommend at least 4 GB)
- Memory: 2+GB RAM

In order to run VirtualBox on your machine, you need:
- CPU: Recent Intel or AMD processor
- Memory: 2+GB RAM
- Supported Operating System: Windows, Mac OS X
- Hard disk: About 4GB free hard disk space
- Supported Operating System: Windows, Mac OS X, Linux, Solaris and OpenSolaris

FORENSIC SCIENCE 1: SECRETS OF THE DEAD
Learn the techniques and practices applied during a crime scene investigation and how clues and data are recorded and preserved. Understand how forensic science applies technology as you follow the entire forensic process from pursuing the evidence trail to taking the findings to trial.

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Science graduation requirement

FORENSIC SCIENCE 2: MORE SECRETS OF THE DEAD
Learn basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology, and find out how scientists use everything from insects to bones to help them solve crimes.

*Prerequisites:* Forensic Science 1

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Science graduation requirement
FORENSICS: THE SCIENCE OF CRIME A&B
Learn the specialized skills and techniques used during a crime scene investigation and how evidence and data are expertly collected, preserved, and analyzed. Participate in interactive activities and follow the entire forensic process.
*Duration: Two Semesters | Credits: 1.0 | Fulfills: Science graduation requirement*

LAW AND ORDER: INTRODUCTION TO LEGAL STUDIES
In this course, you’ll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Learn about the court system and how laws are enacted.
*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

NATIONAL SECURITY
Learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats.
*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

PRINCIPLES OF PUBLIC SERVICE: TO SERVE AND PROTECT
Learn about many different areas of public service including education, civil engineering, and social services. You’ll also look at the requirements for public service in general as well as the specific skills needed to be successful in each area of public service.
*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*
CULINARY ARTS 1 A&B
Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Elective graduation requirement

**Required Materials:**
- Wide variety of kitchen tools and ingredients.

CULINARY ARTS 2: BAKING, PASTRY, AND MORE! A&B
Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!

**Prerequisite:** Culinary Arts 1 A&B

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Elective graduation requirement

**Required Materials:**
- Wide variety of kitchen tools and ingredients.

HOSPITALITY AND TOURISM 1: TRAVELING THE GLOBE A&B
This course introduces you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine.

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Elective graduation requirement

HOSPITALITY AND TOURISM 2: HOTEL AND RESTAURANT MANAGEMENT A&B
Learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. Building upon the prior prerequisite course, students will embark on their journey to becoming managers in the hotel and restaurant industry by gaining knowledge and developing a variety of skills. Students will learn of different management styles, laws, and regulations that govern hotels and restaurants as well as how to develop job descriptions and business plans. Additionally, students will learn how to create menus, advertise vacancies, perform interviews, and understand the financials of the hotel or restaurant.

**Prerequisite:** Hospitality and Tourism 1

**Duration:** Two Semesters | **Credits:** 1.0 | **Fulfills:** Elective graduation requirement
RESTAURANT MANAGEMENT
Learn what’s needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Examine topics including food safety, hygiene, customer relations, marketing, and using a point-of-sale system.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*
HIGH SCHOOL COURSES

AGRICULTURE, FOOD, & NATURAL RESOURCES

AGRICIENCE 1: INTRODUCTION
Examine how agriscientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. Learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture and the controversies that surround agricultural practices.
Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

AGRICIENCE 2: SUSTAINING HUMAN LIFE A&B
Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places.
Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement
Required Materials:
• Growing media, containers and seeds
• Growing container
• A sharp blade and rooting hormone, depending on the plant you choose
• Soil test kit
• Pest management materials (vary based on chosen strategy)

FORESTRY AND NATURAL RESOURCES A&B
Learn how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues.
Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES A&B
Gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You’ll learn more about agriculture’s history, animal husbandry, plant science, and natural resources, and you’ll be better prepared for your part in sustaining the world.
Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement
COSMETOLOGY I: CUTTING EDGE STYLES A&B
Learn about beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while looking fabulous!

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*

*Required Materials:*
- Wide variety of cosmetology tools and supplies

COSMETOLOGY 2: THE BUSINESS OF SKIN AND NAIL CARE A&B
Explore skincare and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques.

*Prerequisite: Cosmetology 1*

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*

*Required Materials:*
- Wide variety of cosmetology tools and supplies

COSMETOLOGY 3 A&B
Learn about hair types, face shapes, color theory, and learn to perform hair, scalp, and skin analysis. Examine color techniques with an emphasis on salon and chemical safety. Wigs, extensions, hairpieces, hairstyling and cutting techniques will be examined. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course. Students will be working with chemicals.

*Prerequisite: Cosmetology II*

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*

*Required Materials:*
- Wide variety of cosmetology tools and supplies

EARLY CHILDHOOD EDUCATION
Examine career options in early childhood education and learn about licensing and state requirements for childcare workers. Explore how to create safe, enriching environments for children and investigate how to encourage the development and well-being of children.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

HUMAN AND SOCIAL SERVICES 1: INTRODUCTION A&B
Explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional.

*Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement*
PEER COUNSELING
Peer Counseling will show you the way to provide support, encouragement, and resource information. Learn how to observe others as a Peer Counselor as you carefully listen and offer constructive, empathic communication while enhancing your own communication skills.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*

REAL-WORLD PARENTING
Learn how being a parent is much more than simply feeding, bathing, and protecting a child. Learn how to create a positive environment that is nurturing, fosters education, and how every parent is a role model for their child.

*Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement*
CONCEPTS OF ENGINEERING AND TECHNOLOGY A&B
This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives.

*Duration:* Two Semesters  |  *Credits:* 1.0  |  *Fulfills:* Fine Art or Technology graduation requirement

RENEWABLE TECHNOLOGIES: INTRODUCTION A&B
Research the development of new energy technologies and explore how recent approaches to generating, storing, and creating this precious resource have evolved.

*Duration:* Two Semesters  |  *Credits:* 1.0  |  *Fulfills:* Elective graduation requirement
ACT PREP
This course helps students prepare for the ACT without cramming. ACT Prep develops important skills that help drive improvements in test results as students learn test-taking and study habit strategies. The course utilizes videos, reading passages, and practice questions and quizzes to help students make sense of ACT level questions. Full-length practice tests will help students learn how to identify weaknesses in specific skill areas and then practice for improvement. In addition to online work, students will have the opportunity to participate in synchronous lessons with a teacher. This course is graded on a Pass/Fail basis.

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement

SURVEY OF ACT PREP
This self-guided course helps students prepare for the ACT without cramming. The course utilizes videos, reading passages, and practice questions and quizzes to help students make sense of ACT level questions. Full-length practice tests help students learn how to identify weaknesses in specific skill areas and then practice for improvement. Students that are interested in also learning test-taking and study habit strategies should consider the full ACT Prep class. This course is graded on a Pass/Fail basis.

*Duration:* Semester | *Credits:* 0.25 | *Fulfills:* Elective graduation requirement

CHARACTER EDUCATION
This course teaches students practical skills for understanding and managing their emotions, setting goals and getting organized, understanding and getting along with others in our diverse world, and making good decisions. Research shows that people who practice these skills have greater academic achievement as students and experience more success and satisfaction as adults.

*Duration:* Semester | *Credits:* 0.5 | *Fulfills:* Elective graduation requirement

INDEPENDENT STUDY
This course provides the opportunity for students to study content that is not available in the regular course catalog. Under the guidance of a sponsoring teacher, a plan of study is determined and contractually agreed upon at the start of the course. Students work independently and must be capable of doing high-quality work without the structure of a normal course. Independent Study is not to be used as a substitute for courses already available to students. Students participating in this course option will be responsible for logging hours and providing activity descriptions and evidence of content learned along with required regular check-ins with the course instructor. A student may only take this course once.

*Duration:* Semester | *Credits:* .50 | *Fulfills:* Elective graduation requirement
ACADEMIC ENRICHMENT

HIGH SCHOOL COURSES

i-READY MATH
This course is designed to personalize the student’s learning path in math. While students’ core courses are focused on grade-level content standards, this course will take the student on a journey that is just the right fit for them. It begins with an online adaptive assessment. This assessment determines what math skills the student has mastered and what skills may need more practice. From there, individualized lessons will be loaded that enable a student to become a stronger and more confident mathematician.

Duration: Two Semesters | Credits: 0.0 | Fulfills: Assessment graduation requirement

i-READY READING
This course is designed to personalize the student’s learning path in reading. While students’ core courses are focused on grade-level content standards, this course will take the student on a journey that is just the right fit for them. It begins with an online adaptive assessment. This assessment determines what reading skills the student has mastered and what skills may need more practice. From there, individualized lessons will be loaded that enable a student to become a stronger and more confident reader.

Duration: Two Semesters | Credits: 0.0 | Fulfills: Assessment graduation requirement

LIFE SKILLS: NAVIGATING ADULTHOOD
This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

SAT PREP
This course helps students prepare for the SAT without cramming. SAT Prep develops important skills that help drive improvements in test results as students learn test-taking and study habit strategies. The course utilizes videos, reading passages, and practice questions and quizzes to help students make sense of SAT level questions. Full-length practice tests help students learn how to identify weaknesses in specific skill areas and then practice for improvement. In addition to online work, students will have the opportunity to participate in synchronous lessons with a teacher. This course is graded on a Pass/Fail basis.

Duration: Semester | Credits: 0.5 | Fulfills: Elective graduation requirement

SURVEY OF SAT PREP
This self-guided course helps students prepare for the SAT without cramming. The course utilizes videos, reading passages, and practice questions and quizzes to help students make sense of SAT level questions. Full-length practice tests help students learn how to identify weaknesses in specific skill areas and then practice for improvement. Students that are interested in also learning test-taking and study habit strategies should consider the full SAT Prep class. This course is graded on a Pass/Fail basis.

Duration: Semester | Credits: 0.25 | Fulfills: Elective graduation requirement

STUDY SKILLS AND STRATEGIES
The Study Skills and Strategies course equips students with skills and understandings critical to effective learning. Using a unique approach to the traditional topic of study skills, this course weaves understanding regarding the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, the Study Skills and Strategies course will challenge students to develop intentional approaches to learning. They will be required to make connections between the strategies and skills they learn in this course and the implementation of those strategies and skills in their other coursework. Upon completion of the course, students will have learned a variety of specific learning skills and strategies, gained a greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans for any academic course or other learning needs.

*Duration:* Semester  |  *Credits:* 0.5  |  *Fulfills:* Elective graduation requirement
KEYS TO SUCCESS
This course is designed for returning students that have already been guided through the Orientation course. Students will be presented with the key components and updates to the learning platform, school policies, and strategies for success. This course does not earn credit.

Prerequisite: This course is for returning students only.
Duration: Two Semesters | Credits: 0.0 | Fulfills: Orientation graduation requirement

ORIENTATION
This course guides students through the Buzz learning platform, internet safety, and study skills strategies. Students will learn how to navigate through their learning platform, including how to submit lessons, how to locate and read their grade book and where to find teacher contact information. The internet safety portion of the course discusses information security, cyberbullying, how to stay safe on the internet and cheating/plagiarism. Study skill strategies covered include self-management, active reading, listening, the writing process, note-taking, and test-taking strategies. It is recommended that students complete this orientation course before beginning their scheduled academic courses. This course does not earn credit.

Duration: Two Semesters | Credits: 0.0 | Fulfills: Orientation graduation requirement
ARTS CAREERS
For every Broadway dancer, every television star, and every pop singer, there are countless people behind the scenes helping to make it happen. Arts Careers introduces students to the skills that are part of many fascinating careers in the arts. Studying the arts creates independent and innovative thinkers and many doors are open to an artist with the proper training.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Fine Art or Technology graduation requirement

CAREER PLANNING
The Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement

CAREERS IN CRIMINAL JUSTICE A&B
Discover the different career choices in criminal justice and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.

**Duration:** Two Semesters  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement

WORK EXPERIENCE
The Work Experience course is designed to provide a work-based learning experience to fit individual students’ career interests and to provide them with the skills to apply for and succeed in a future career. Students will be required to work/volunteer during the semester and complete monthly activities. Assignments include, but are not limited to, creating a professional resume, cover letter, job application, student portfolio, and a final reflection project. Documentation of hours worked/volunteered must be provided as requested.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement

WORKPLACE & INTERNSHIP READINESS: PREPARING FOR WORK & LIFE
Starting your first “real” job can be intimidating. But when you know what to expect and learn how to be successful, you’ll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience.

**Duration:** Semester  |  **Credits:** 0.5  |  **Fulfills:** Elective graduation requirement
ADVANCED PLACEMENT® FRENCH LANGUAGE & CULTURE A&B
The AP® French Language and Culture course is an advanced language course in which students are directly prepared for the AP® French Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in French. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The AP® French Language and Culture course is a college-level course.
Prerequisites: Successful completion of French 3 and teacher recommendation
Duration: Two Semesters | Credits: 0.5 | Fulfills: Elective graduation requirement

ADVANCED PLACEMENT® SPANISH LANGUAGE A&B
The AP® Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP® Spanish Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in Spanish. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The AP® Spanish Language and Culture course is a college-level course.
Prerequisites: Successful completion of Spanish 3 and teacher recommendation
Duration: Two Semesters | Credits: 0.5 | Fulfills: Elective graduation requirement

AMERICAN SIGN LANGUAGE 1 A&B
Explore Deaf culture – social beliefs, traditions, history, values, and communities influenced by deafness while learning enough vocabulary and simple sentences to start communicating.
Duration: Two Semesters | Credits: 0.5 | Fulfills: Elective graduation requirement

AMERICAN SIGN LANGUAGE 2 A&B
Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. Establish communication skills and foster understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.
Prerequisite: American Sign Language 1
Duration: Two Semesters | Credits: 0.5 | Fulfills: Elective graduation requirement
Required Materials:
• Screen-capture software or camera with ability to record conversation
• Simple video editing software
HIGH SCHOOL CORE COURSES

WORLD LANGUAGES

FRENCH 1 A&B
French 1 focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

**Duration:** Two Semesters | **Credits:** 0.5 | **Fulfills:** Elective graduation requirement

FRENCH 2 A&B
French 2 focuses on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally-related articles of interest, and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

**Prerequisite:** French 1

**Duration:** Two Semesters | **Credits:** 0.5 | **Fulfills:** Elective graduation requirement

FRENCH 3 A&B
Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities that teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. The course is conducted almost entirely in French.

**Prerequisite:** French 2

**Duration:** Two Semesters | **Credits:** 0.5 | **Fulfills:** Elective graduation requirement

GERMAN 1 A&B
German 1 is an introductory course teaching basic comprehension and communication in German. It coordinates the study of language with culture through the use of video, audio, and mass media production. Students who complete the course successfully will begin to develop a functional competency in the four primary language areas: speaking, reading, listening, and writing, while establishing a solid grammatical base and exploration into German culture.

**Duration:** Two Semesters | **Credits:** 0.5 | **Fulfills:** Elective graduation requirement
GERMAN 2 A&B
German 2 students build on grammar and language skills that they acquired during the previous courses. While reviewing basic grammar skills, (present and past tenses), students learn and study stem-changing verb conjugation and explore cultural themes regarding current events, famous German people, music, and famous festivals.
Prerequisite: German 1
Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement

SPANISH 1 A&B
Spanish 1 is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will have the ability to express their thoughts, feelings, and opinions in the target language within basic, real-life situations, and learning scenarios. All new concepts, grammatical concepts, and cultural information will be introduced in context while incorporating various listening, speaking, and writing activities.
Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement

SPANISH 2 A&B
Students build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and other grammar concepts, and they increase their ability to communicate with others. They learn new concepts, like reflexive verbs, infinitive expressions, commands, the imperfect tense. Semester B will continue building on vocabulary, grammar concepts, and communicating effectively in the target language. Students will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world.
Prerequisite: Spanish 1
Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement

SPANISH 3 A&B
Students continue to develop their ability in reading, writing, speaking, and understanding Spanish through a systematic review of its structure. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present perfect, future, and conditional tenses.
Prerequisite: Spanish 2
Duration: Two Semesters | Credits: 1.0 | Fulfills: Elective graduation requirement