



**BONNEVILLE
ACADEMY**

**Bonneville Academy
Course Catalog 2021- 2022**

Core Classes:

English Language Arts

English Language Arts 6

This course is designed to meet the needs of students transitioning from elementary to middle school instruction in reading and language arts. Instruction in expository, argumentative, and narrative writing will be combined with novel studies and informational texts to increase engagement and connections. Students will also begin learning the research process, be introduced to MLA format, engage in vocabulary development, and note taking skills.

Honors English Language Arts 6

In addition to meeting the standards set forth for English Language Arts 6, this course is designed to meet the needs of academically advanced students who were identified through the Bonneville Academy honors criteria. Students should expect to find the curriculum challenging in a number of ways: text complexity, analytical writing, problem solving, creative endeavors, and an accelerated pace. Instruction in expository, argumentative, and narrative writing will be combined with novel studies and informational texts to increase engagement and connections. Students will also begin learning the research process, be introduced to MLA format, engage in vocabulary development, and note taking skills.

English Language Arts 7

Seventh grade students continue to apply and expand their skills by reading and writing a variety of informational texts, fiction, literary nonfiction, poetry, and drama. Students will use word analysis and other interpretive strategies to master texts that use complex vocabulary. Seventh grade students write for a variety of purposes and audiences blending elements of descriptive/expressive writing into modes of written works such as narrative, expository, and persuasive/argumentative and conduct specific research. The ability to constructively critique their own and other's work is enhanced. Instruction in expository, argumentative, and narrative writing will be combined with novel studies and informational texts to increase engagement and connections. Students will also continue learning the research process, MLA format, engage in vocabulary development, and note taking skills.

Honors English Language Arts 7

In addition to meeting the standards set forth for English 7, students who are academically advanced will be challenged through the study and analysis of more compelling literature, analytical writing, and word study at an accelerated pace. Instruction in expository, argumentative, and narrative writing will be combined with novel studies and informational texts to increase engagement and connections. Students will continue learning the research process, MLA format, engage in vocabulary development, and note taking skills.

English Language Arts 8

This course is designed to refine and master previously learned knowledge and skills in increasingly complex reading selections and written compositions. Students will read a variety of informational texts as well as four major types of literary texts: fiction, literary nonfiction, poetry, and drama. Students will use word analysis to master texts that use complex vocabulary and will transfer that knowledge into their own writing and speaking. Students will write for a variety of purposes and audiences as they increase their control over the written language. Students will use the writing process to write narrative, expository, and persuasive texts. Instruction in expository, argumentative,

and narrative writing will be combined with novel studies and informational texts to increase engagement and connections. Students will also fine tune the research process, MLA format, engage in vocabulary development, and note taking skills.

Honors English Language Arts 8

This course is for students with advanced abilities in reading and writing. The honors curriculum will place a large emphasis on critically analyzing and interpreting wide varieties of literature. This class will also focus on the steps of research including: developing a thesis, finding credible support, documenting that support properly, and writing in MLA format. Students will be expected to read independently on a consistent basis and independent projects are an integral part of this course. Summer reading is also required. Instruction in expository, argumentative, and narrative writing will be combined with novel studies and informational texts to increase engagement and connections. Students will also continue learning the research process, MLA format, engage in vocabulary development, and note taking skills.

Mathematics

Math 6

This is a standards-based sixth grade class. Sixth grade math is a more in-depth continuation of many of the same standards introduced in fifth grade. The general areas that are thoroughly covered are numbers and operations, measurement, data analysis and probability, algebra, and geometry. Students will be expected to accurately compute, explain processes, and model many different algorithms. 20-30 minutes of homework is an integral component of the class.

Honors Math 6

This is a standards-based sixth grade class that is designed to help students begin the transition from arithmetic to algebraic thinking. The course includes operations with fractions, decimals, and percents, coordinate graphing, area of figures, and patterns. There is an introduction to integers, equations, and inequalities. 20-30 minutes of homework is an integral component of the class.

Math 7

This is a standards-based seventh grade class. Students will investigate applications of number theory and will acquire skills in adding, subtracting, multiplying, and dividing integers. Students will solve one and two step equations and inequalities, use proportional reasoning, and use percents to solve a variety of problems. Students will develop algebraic thinking by analyzing patterns to discover relationships. 20-30 minutes of homework is an integral component of the class.

Honors Math 7

The major emphasis is on applying algebraic concepts and skills related to decimals, fractions, percents, and integers to solve a variety of real-world problems. Students will extend their algebra knowledge to solve multi-step equations and inequalities as well as simplifying expressions. Students will also use proportions and measurements to solve a variety of problems. Since this class extends prior knowledge, students should expect it to be fast paced. Students are expected to make connections, communicate their reasoning, and keep up with all classwork and homework. 20-30 minutes of homework is an integral component of the class.

Math 8

Math 8 is foundational for eighth grade students to prepare them for Secondary Math 1. The Students in Math 8 will study the following concepts: the Number System, Expressions and Equations,

Functions, Geometry, and Statistics and Probability. 20-30 minutes of homework is an integral component of the class.

Honors Math 8

Honors Math 8 is foundational for eighth grade students not quite ready for Secondary Math 1. Students in Honors Math 8 will study the following concepts: The Number System, Expressions and Equations, Functions, Geometry, and Statistics and Probability. This course will move at a faster pace and go more in depth than Math 8. 20-30 minutes of homework is an integral component of the class.

Science

Science 6

The sixth grade SEEd standards provide a framework for student understanding of the cycling of matter and the flow of energy through the study of observable phenomena on Earth. Students will explore the role of energy and gravity in the solar system as they compare the scale and properties of objects in the solar system and model the Sun-Earth-Moon system. These strands also emphasize heat energy as it affects some properties of matter, including states of matter and density. The relationship between heat energy and matter is observable in many phenomena on Earth, such as seasons, the water cycle, weather, and climates. Types of ecosystems on Earth are dependent upon the interaction of organisms with each other and with the physical environment. By researching interactions between the living and nonliving components of ecosystems, students will understand how the flow of energy and cycling of matter affects stability and change within their environment. This class will utilize 1-1 electronic devices most days.

Science 7

The seventh grade SEEd standards look for relationships of cause and effect which enable students to pinpoint mechanisms of nature and allow them to make predictions. Students will explore how forces can cause changes in motion and are responsible for the transfer of energy and the cycling of matter. This takes place within and between a wide variety of systems, from simple, short-term forces on individual objects to the deep, long-term forces that shape our planet. In turn, Earth's environments provide the conditions for life as we know it. Organisms survive and reproduce only to the extent that their own mechanisms and adaptations allow. Evidence for the evolutionary histories of life on Earth is provided through the fossil record, similarities in the various structures among species, organism development, and genetic similarities across all organisms. Additionally, mechanisms shaping Earth are understood as forces affecting the cycling of Earth's materials. Questions about cause and effect and the ongoing search for evidence in science, or science's ongoing search for evidence, drive this storyline. This class will utilize 1-1 electronic devices most days.

Science 8

The eighth grade SEEd standards describe the constant interaction of matter and energy in nature. Students will explore how matter is arranged into either simple or complex substances. The strands emphasize how substances store and transfer energy, which can cause them to interact physically and chemically, provide energy to living organisms, or be harnessed and used by humans. Matter and energy cycle and change in ecosystems through processes that occur during photosynthesis and cellular respiration. Additionally, substances that provide a benefit to organisms, including humans, are unevenly distributed on Earth due to geologic and atmospheric systems. Some resources form quickly, allowing them to be renewable, while other resources are nonrenewable. Evidence reveals that Earth's systems change and affect ecosystems and organisms in positive and negative ways. This class will utilize 1-1 electronic devices most days.

Social Studies

Social Studies 6: World History

This sixth grade social studies course expands students' understanding of history through the study of people, places, and events. The curriculum spans pre-history (early man) through the World Wars and as far into modern history as time allows. Students focus not only on facts about various cultures, but also on the significance of geography in history, people's everyday lives, problems, and accomplishments, and their roles in developing the social, economic, and political structures of major civilizations. Instruction will emphasize the elements of social studies literacy — the tools, strategies, and perspectives necessary for understanding how history, geography, economics and government are interwoven. Students should expect to find the curriculum challenging in a number of ways: text complexity, analytical writing, problem solving, creative endeavors, and an accelerated pace.

Social Studies 7: Utah Studies

This course helps students understand the interaction between Utah's geography and its inhabitants, the formative contributions of Native Americans, explorers, and Utah pioneers. The course will also investigate the relationship between government and the people of Utah, the diverse nature of Utah's people and cultures, and the impact of contemporary issues on the land and people of Utah.

Social Studies 8: United States History

This course emphasizes the historic events of the 18th and 19th centuries. Some of the topics covered are exploration, colonization, Revolutionary War, constitutional issues, nation building, westward movement, Civil War, and Reconstruction.

Other Required Classes:

College & Career Awareness (7th grade requirement)

College and Career Awareness is a core requirement for seventh grade students. Through College and Career Awareness, students participate in activity-centered lessons to utilize technology, develop foundational skills, and explore careers by expanding awareness. College and Career Awareness provides information regarding future classes and training related to each student's career field of interest.

Health (6th & 8th Grade requirement)

This required course enables students to gain the tools necessary to achieve and maintain total wellbeing. This course provides information to students to help them live long, energetic, and productive lives. Health education provides information in such a way that it influences people to change attitudes and make the best decision possible so they can take positive action about their health.

Physical Education (6th, 7th and 8th Grade requirement)

This required course is based on a variety of activities (individual, team, and dual sports) that provide students with choices and the skills to live a healthy active lifestyle. This course also places an emphasis on fitness. Students will be required to perform the mile run, push up, curl up, pacer, and sit-n-reach (flexibility) tests several times throughout this course. Improving physical fitness and skill levels can only happen if the student puts forth effort both in the classroom and outside the classroom. Students are required to participate and dress out daily.

Character Ed (required 7th Grade)

This class will focus on promoting health and personal development. We will be using the new state required curriculum called LifeSkills Training, created by Gilbert J. Botvin, Ph.D. A few of the skills we'll be learning are Self-Image and Self-Improvement, Communication, Social Skills, and Coping Skills. The main goal is to increase the students' self-awareness, and ability to contribute to society in a positive manner.

Electives:

Cartooning:

Cartooning class will explore the simplification of form and shape in creating cartoon art that represents real objects, ideas, and forms of communication. In the course students will learn the basic shapes of objects to help them understand how to create their own original cartoons. We will explore cartoon animals, cartoon people, and backgrounds. We will study the different types of cartooning found in comics, children's books, other types of illustrated books, and cartoons from animated films.

At the end of the course students will know how to understand the basic construction of cartoon animals, people, backgrounds, and be able to create their own original artwork.

Computer Science Essentials

Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to Computer Science Principles and Computer Science

Competitive NXT Lego League Robotics

Programming your Lego robot to avoid obstacles or move out at a clap of your hands is all part of what to expect of the pre-engineer. Classes start with the basic robotic behaviors of movement and become increasingly more difficult as sensors and new challenges are introduced. Science, Technology, Engineering and Math (STEM) are incorporated daily into lessons. Interested students should enjoy hands on building as well as working with computers. Brainstorming and problem solvers, please apply.

Medical Detectives

In this elective science class, students explore the biomedical sciences through hands-on projects and labs that require them to solve a variety of medical mysteries. Students investigate medical careers, vital signs, diagnosis and treatment of diseases, as well as human body systems such as the nervous system. Orthopedics will be investigated as students explore problems engineers and physicians are challenged within the musculoskeletal system, and medical device design. Genetic testing for hereditary diseases and DNA crime scene analysis put the students in the place of real life medical detectives as they attempt to solve medical mysteries.

Units of Instruction:

What is a Medical Detective?

Mysteries of the Human Body

Murder Mysteries /Orthopedics in Action

Beginning Band

This is where it all begins! Students do not need to have played a musical instrument or have had any type of prior musical instruction to join. This is a yearlong course that is required in order to participate in band during the 7th and 8th grade. Students are placed on instruments through a basic aptitude test that is administered by professional musicians on each instrument. They are placed on instruments on which they show a high level of potential skill and seem interested/excited about the prospect of playing. These instruments include flute, oboe, clarinet, saxophone, trumpet, French horn, trombone, baritone, tuba, and percussion (percussion consists of many instruments such as snare drum, bass drum, xylophone, piano, timpani, etc). Students will spend this first year of band learning how to play their instrument and to play as a group, which will include concerts and performances.

Intermediate Band

Students will continue advancing their level of proficiency on their instrument as individuals and as an ensemble. These are both yearlong courses. 7th Grade Band students continue to build on the foundation built in Beginning Band. They begin to learn advanced playing techniques, more challenging music.

Beginning Orchestra

Students do not need to have played a musical instrument or have had any type of prior musical instruction to join. This year long course is designed for students who are interested in learning to play the violin, viola, cello, or string bass. Students will spend this first year of orchestra learning how to play their instruments, and to play as a group, which will include concerts and performances. Students will learn how to read music, how to play correctly using correct posture, rhythm, note and fingering accuracy, articulation and tone quality while playing a variety of music and styles including fiddling, rock, celtic, pop, film, and classical.

Intermediate Orchestra

Orchestra students continue their development of playing technique and music literacy and their orchestral music repertoire demonstrates more intermediate and advanced skills. Solo and Ensemble work will be encouraged, and expected, in addition to concerts and performances.

Choir

The chorus classes consist of a group of singers who sing and perform choral compositions from a variety of historical periods. The chorus sings 2 and 3 part selections. Performances and attendance is required. There is no former experience necessary, just a love of singing.

eSports

The meteoric rise of eSports has been an exciting development in Sports Business. Beginning with the history of video gaming, this course will provide students with a detailed understanding of how eSports has evolved enabling them to analyze the current ecosystem and identify the potential that it has for future growth and development. This course will examine the different modalities for play, media platforms for hosting/streaming, types of competition and the organization of teams and entities. Students will become familiar with the unique fandom of eSports, the differences from traditional sports in revenue potential, and how the organization and institutionalization of a counterculture has created a global phenomenon that is changing the way we think about sports. The debate of eSports being classified as a "sport" will also be discussed. Aspects of the culture of competitive gaming will be explored such as diversity, inclusiveness and sportsmanship, and students will have an opportunity to attend eSporting events as part of the curriculum.

Yearbook

This course is designed to develop students' skills in yearbook production by providing experiences in selected aspects of yearbook production. Students learn basic principles of yearbook production and develop skills that include writing copy, captions and headlines; digital photography; desktop publishing and using appropriate technology tools for media production.

Graphic Design

This course provides an examination of digital tools used in the visual arts with an introduction to Adobe's software package. Students will learn the Principles and Elements of Design to give them a solid foundation for understanding visual thinking, and problem solving. Students will learn how to apply the creative process, and begin their journey in becoming original thinkers.

Photography

This course covers basic concepts and practice of digital photography, including understanding and use of the camera, lenses, and other basic photographic equipment. The course will address aesthetic principles as they relate to composition, space, exposure, light and color. Technological requirements of digital formats will be addressed, such as formats and resolution. Basic digital manipulations of images will be taught in preparation for creating a photo portfolio of images.

Reality Town: THAT'S LIFE!

The Game of Life Jumps Off the Playing Board This is a project-based learning simulation. Students will experience the financial aspects of being on their own. They will choose a job based on their interests, and will then have to find a place to live, a company to work for in their community, and figure out a way to get to work. They'll pay bills, plan meals, shop for groceries (possible field trip), and dine out. All purchases and bills will be paid with checks and students will reconcile their checkbook at the end of each month. They will also experience a few bumps and setbacks along the way! Who will be the first to bounce a check? Who will save the most?

Creative Writing

In this course student will engage with their imagination through the written word. In the creative writing course we focus on using our unique perspectives on the world and our experiences to create lasting and exceptional compositions. We combine a study of the writing process with analysis of various writing techniques, including how to write believable characters, voice, and style. Students will have the opportunity to try their hand at a variety of genres including poetry, screenwriting, and short stories. They will also have the opportunity to share and improve their work in workshop formats. As a final project, students will create a portfolio of their work.

Intro to Digital Art Using Photoshop

This course introduces the computer as a tool for artists. It develops students' visual language and provides an introduction to digital creation. Students learn to conceptualize ideas in artwork, navigate software interfaces and present artwork in classroom critiques. At the end, students should possess the necessary skills to go on to more advanced applications and concepts in digital art making and other visual fields.

Sculpture (Traditional/Kinetic)

In the first term students will explore the creation of traditional 3-dimensional work through a variety of media ranging from clay to wire. They will begin engaging in the creative thinking process through project planning, application, problem solving, and self-reflection. In the second term students will continue these ideas in the creation of moving (kinetic) sculptures. Students will be introduced to basic engineering principles through a variety of materials, techniques, and applications.

Art Basics (Drawing/Painting)

Art Basics will introduce students to a variety of two-dimensional media from graphite and charcoal to watercolor and acrylic. Students will learn a variety of skill-based approaches in the art creation process. They will learn to observe the world around them through visual interpretation, how to create original ideas, to embrace and solve problems, and how to apply self-reflection for growth.

Student Council

A group of middle school students, as well as an advisor will work together to improve leadership, planning, and teamwork skills. Student council members will be the voice for student expression and assistance in school activities. These activities will include service projects, morning announcements, talent show, assemblies, student induction program, spirit days, community projects, and organize events to showcase student work. By participating in these activities, students will promote citizenship, leadership, and school values. All middle school students are invited to participate in this elective.

Remotely Operated Vehicles

Bonneville Academy's ROV program is the only program of its kind in Tooele County. In this program, students are introduced to a wide range of vehicles (aerial, ground, or water drones), perform ROV maintenance, understand ROV systems and work safely in unique environments. This program provides a solid foundation in basic drone technology through classroom presentation and application in a lab setting. Students will also learn the basics of block coding when programming their ROVs.

Food Science

This course provides a solid foundation in basic cooking and meal preparation through classroom presentation and application in a lab setting. Students will create assigned menu items each week and a final meal at the end of each term.

CAD & 3D Printing

Utilizing Computer-Aided Design (CAD) we will create designs ranging from toys, tools, and other inventions. We will then take those designs and bring them to life using our school's cutting-edge 3d printer. Students will learn engineering concepts that require idea development, review, and redevelopment to refine the concepts. They will gain basic skills in CAD software. Being able to hold their ideas in their hands after the process is complete will fortify their desire to create and build with such a rewarding process.

Coding - Minecraft Education Edition

This class will allow students to explore, create, and play in a Minecraft world. They will learn coding basics starting in a "Block" coding environment and move forward into Javascript. The software partners with familiar learn-to-code platforms like Tynker and Microsoft MakeCode. Approaching coding from this Minecraft platform will bring a motivating and familiar environment that will encourage the students to learn while having a lot of fun.

Podcast

In this course, students will be learning the basics to create a podcast. Students will spend time researching and listening to various podcasts. In doing so, students will learn multiple methods being used in the world of podcasts today. Students will also work in groups to study a teacher approved topic of their choosing to create a final end of semester podcast.