

Sandy High School Summer Academy Course Guide

Session 1: June 21st-June 24th & June 28-July 1st

AM Session 8:00 am-11:00 am

PM Session 11:30 am-2:30 pm

Session 2: August 2nd-August 5th & August 9th-August 12th

AM Session 8:00 am-11:00 am

PM Session 11:30 am-2:30 pm

See the FAQ or Submit Questions at: <https://bit.ly/3c3RjjY>

Courses May Fill

Register at: <https://bit.ly/3hXDnfi>

AM Session 1: 8:00 am-11:00 am

Spanish 1: Tune up your Spanish 1 skills and complete your credit! The class will be Project based with lots and lots of support. We will have time to learn about Spanish speaking countries, food, traditions, places etc. Instructor Montellano This class may earn .25 or .50 elective or second language credit.

Algebra 1A: This is the first semester of Algebra 1 that includes the topics of number sense, solving equations, graphing, exponents, polynomials, inequalities, factoring, and functions including linear, quadratic, and exponential. Students should expect daily work to be assigned along with periodic projects and tests. A scientific calculator is required. Take the course as a jump start for high school Algebra or recover your first semester of Algebra 1 credit. Instructor Duong This class may earn .25 or .50 elective or first semester algebra 1 math credit.

Algebra 1.5A -Or- Algebra IIA:

Algebra 1.5A is designed as an intermediate step between Algebra I and Geometry. Upon successful completion of the course the students will be ready to move on to Geometry. This course will reinforce Algebra I and introduce Geometry, Statistics and Probability. A scientific calculator is required. This course is not approved by the NCAA. Successful students will need to be motivated and committed to complete individual and group assignments, as multiple courses will be taught simultaneously in the same classroom. Many course topics will be explained through the Delta Math program. Students will need to provide evidence of understanding concepts through showing work. Instructor Doss This class may earn .25 or .50 elective or first semester algebra 1.5 credit.

Algebra IIA

This is the first semester of Algebra II. This course follows geometry in the math sequence. It is a second-year algebra course that integrates geometry with CCSS, advanced algebra concepts. Topics include systems of linear equations and inequalities, quadratic functions, polynomials, exponential and logarithmic functions, rational functions, and conic sections. A graphing calculator (TI-83/84) is required. Successful students will need to be motivated and committed to complete individual and group assignments, as multiple courses will be taught simultaneously in the same classroom. Many course topics will be explained through the Delta Math program. Students will need to provide evidence of understanding concepts through showing work. Instructor Doss This class may earn .25 or .50 elective or first semester algebra II credit.

Math Peer Tutor: Peer Tutor is a leadership position designed to enhance math concept development, problem solving and communication skills of all students and to advance academic and personal development. Students will have the opportunity, with support from the teacher, to work with peers to better understand course topics and to effectively discuss those ideas with math vocabulary. Throughout the course, students will develop and practice skills

essential for personal management, problem solving and effective communication. Peer Tutors may perform teacher assistant duties as well. Instructor Doss This class may earn .25 elective credit.

Football: This class is designed to get people ready who are interested in playing football. This class will have a large emphasis on building a functional moving athlete that learns how to use their speed, agility and strength in the game of football. We will spend time learning the fundamentals of blocking and tackling with proper technique. We will spend time with the X's and O's of the game. No prior experience is needed. Instructors Dill and Lockett. This class may earn .25 elective or pe credit.

Shakespeare in the 90's: We will learn synopsis of some Shakespeare's classics and then view the 1990-2010's film adaptations comparing the originals with the slightly less than modern versions. Along the way we'll learn some of the language Shakespeare invented as well as the language of his 1990's counterparts. Films and plays include Hamlet (The Lion King, 1994 G), The Taming of the Shrew (10 Things I Hate About You, 1999 PG-13), Romeo and Juliet (Romeo + Juliet, 1996, PG13), Twelfth Night (She's the Man, 2006 PG 13). Students will work on analysis skills through their writing about the films. Instructor Finnegan. This class may earn .25 elective or English credit.

Science Fiction Studies: Do you love science fiction movies, books, and TV shows? If so, then science fiction studies is the class for you. Science fiction has always tried to answer the eternal question of "what if?" Read short stories that explore all of the potential past present, and future questions that mankind has asked for centuries. Read authors like Ray Bradbury, Isaac Asimov, and other authors of your choice. View influential science fiction films and explore the many different ways the science fiction genre has influenced our modern society. Students will write a short story or script in the science fiction genre as well as create artwork inspired by the stories and films we will discuss in class. Instructor Shields. This class may earn .25 or .50 elective elective or English credit.

Archetypes in Film: This course utilizes film to recognize and analyze different literature archetypes, including the hero, the quest, the mentor, and more! Students will begin with a foundation of plot and characterization review, but will quickly move into learning about the different archetypes they'll witness in a variety of films--from adventure flicks of the '80s to the underdog athletes who won our hearts on the field and in the ring. Students will learn to compare archetypes across films and employ their creativity to express their understanding on assignments like movie posters, giant character recreations, and, of course, a sprinkling of analysis writing. Instructor Swoboda This class may earn .25 or .50 elective or English credit.

Drumline: Have you ever thought drumlines looked super cool? Do you like to be unapologetically loud? Are you always being told to stop tapping on your desk? Then this class is for you! In this class you'll learn everything from basic techniques to advanced grooves. Students of all skill levels are encouraged to join! Instructor Duell This class may earn .25 elective credit.

Online Classes: Students have the opportunity to work at school or at home on a variety of online classes that can earn .5 credit per course. Students may sign up for Session 1 or Session 2, am or pm or any variation. Instructor Lockett

PM Session 1: 11:30 am-2:30 pm

Spanish 2: Tune up your Spanish 2 skills and complete your credit! The class will be Project based with lots and lots of support. We will have time to learn about Spanish speaking countries, food, traditions, places etc. Instructor Montellano. This course may earn .25 or .50 elective credit or second language credit.

Algebra 1.5B -OR- Geometry A

Algebra 1.5B: Prerequisite: Algebra. This course is designed as an intermediate step between Algebra I and Geometry. Upon successful completion of the course the students will be ready to move on to Geometry. This course will reinforce Algebra I and introduce Geometry, Statistics and Probability. A scientific calculator is required. The course will use compasses, protractors, rulers, and paperfolding to discover the principles of geometry. Students will

apply the concepts and vocabulary of geometry to art, architecture, construction, and the natural world around us. (This course is not approved by the NCAA for Division 1 or Division 2 college athletic eligibility.) MODIFIED diploma students are WELCOME as hands-on, visual learning will be featured. Instructor Doss. This course may earn .25 or .50 elective credit or second semester of Algebra 1.5 credit.

Geometry A: Prerequisite: Algebra. Geometry is the study of visual patterns. Included among the topics in geometry are logic, polygons, congruency, similarity, proofs, polyhedrons, area, and volume. Topics in statistics and probability are included. The student will be expected to use the knowledge gained in Algebra to solve geometric problems. A scientific calculator is required. The course will use compasses, protractors, rulers, and paperfolding to discover the principles of geometry. Students will apply the concepts and vocabulary of geometry to art, architecture, construction, and the natural world around us. MODIFIED diploma students are WELCOME as hands-on, visual learning will be featured. Instructor Doss. This course may earn .25 or .50 elective credit or first semester of Geometry credit.

Math Peer Tutor: Peer Tutor is a leadership position designed to enhance math concept development, problem solving and communication skills of all students and to advance academic and personal development. Students will have the opportunity, with support from the teacher, to work with peers to better understand course topics and to effectively discuss those ideas with math vocabulary. Throughout the course, students will develop and practice skills essential for personal management, problem solving and effective communication. Peer Tutors may perform teacher assistant duties as well. Instructor Doss This class may earn .25 elective credit.

Shakespeare: Have you ever wanted to learn more about Shakespeare and his works? This English class will focus only on Shakespeare's comedic plays and the time period in which he wrote his works. Learn more about what it was like to live in Elizabethan England. Read some of Shakespeare's funniest plays. Enjoy his colorful characters, engaging plots, and masterful use of language. We will read two or three plays out loud and act out scenes in class. We will also create some imaginative artwork/masks ! We will also view some of the best movie versions of Shakespeare's works. Come and explore the wonderful world of Shakespeare in this unique class. Instructor Shields This course may earn .25 or .50 elective credit or English credit.

Outdoor Science Education: This outdoor/indoor science elective course will focus on the four field studies of outdoor school: native Oregon plants, wildlife, water and soil sciences in hands-on, interactive lessons. It will also include outdoor leadership skills such as knot-tying and shelter-building. The class is intended to equip high school students interested in becoming and/or practicing their skills as outdoor school student leaders, for students interested in pursuing the field of natural resources, or for students interested in learning about Western Oregon ecology and outdoor skills. Potential activities include: trail maintenance in Sandy High School's Byron Ball Forest, hiking the nearby Sandy River trail, and practicing our skills by teaching mini-lessons to middle-school students. Students should expect to come in standard field gear daily (long pants, sturdy, closed-toed shoes, and a water bottle). Instructor Jumago. This course may earn .25 or .50 elective credit or science credit.

How to do ... Speech? Students will research a topic of interest, write a how-to speech, and teach the class how to do it. Want to learn how to tie a tie? Research it and then teach it to the class? Change a tire? Tik Tok dance? Cook a 4 course meal? The options are *nearly* endless! Instructor Finnegan This course may earn .25 or .50 elective credit or English credit.

Monologues: This course will read, analyze and evaluate various monologues. We will examine the elements that make a performance effective. You will then select, interpret and perform your own monologue. Instructor Grewe This course may earn .25 or .50 elective or English credit.

Radio Astronomy: In Radio Astronomy students will explore the underlying principles of Radio Astronomy including electromagnetic waves, the doppler effect, and the 21cm Hydrogen Signal. Students will construct their own radio telescopes for observations and also will have access to the SALSA educational radio telescope array in Onsala, Sweden. By the end of the course students will use their own observations to build a rudimentary map of the arms of the Milky Way. Instructor Duell his course may earn .25 or .50 elective credit or science credit.

Online Classes: Students have the opportunity to work at school or at home on a variety of online classes that can earn .5 credit per course. Students may sign up for Session 1 or Session 2, am or pm or any variation. Instructor Lockett

AM Session 2: 8:00 am-11:00 am

Archetypes in Film: This course utilizes film to recognize and analyze different literature archetypes, including the hero, the quest, the mentor, and more! Students will begin with a foundation of plot and characterization review, but will quickly move into learning about the different archetypes they'll witness in a variety of films--from adventure flicks of the '80s to the underdog athletes who won our hearts on the field and in the ring. Students will learn to compare archetypes across films and employ their creativity to express their understanding on assignments like movie posters, giant character recreations, and, of course, a sprinkling of analysis writing. Instructor Swoboda. This class may earn .25 or .50 elective or English credit.

Science Fiction Studies: Do you love science fiction movies, books, and TV shows? If so, then science fiction studies is the class for you. Science fiction has always tried to answer the eternal question of "what if?" Read short stories that explore all of the potential past present, and future questions that mankind has asked for centuries. Read authors like Ray Bradbury, Isaac Asimov, and other authors of your choice. View influential science fiction films and explore the many different ways the science fiction genre has influenced our modern society. Students will write a short story or script in the science fiction genre as well as create artwork inspired by the stories and films we will discuss in class. Instructor Shields. This course may earn .25 or .50 elective credit or English credit.

Algebra 1B: This is the second semester of Algebra 1 that includes the topics of number sense, solving equations, graphing, exponents, polynomials, inequalities, factoring, and functions including linear, quadratic, and exponential. Students should expect daily work to be assigned along with periodic projects and tests. A scientific calculator is required. Instructor Duong. This course may earn .25 or .50 elective credit or second semester Algebra 1 credit.

Algebra IIB: This course is the second semester of Algebra II that follows geometry in the math sequence. It is a second-year algebra course that integrates geometry with CCSS, advanced algebra concepts. Topics include systems of linear equations and inequalities, quadratic functions, polynomials, exponential and logarithmic functions, rational functions, and conic sections. Prerequisite: Geometry. Instructor Doss. This course may earn .25 or .50 elective credit or second semester Algebra II credit.

Math Peer Tutor: Peer Tutor is a leadership position designed to enhance math concept development, problem solving and communication skills of all students and to advance academic and personal development. Students will have the opportunity, with support from the teacher, to work with peers to better understand course topics and to effectively discuss those ideas with math vocabulary. Throughout the course, students will develop and practice skills essential for personal management, problem solving and effective communication. Peer Tutors may perform teacher assistant duties as well. Instructor Doss This class may earn .25 elective credit.

Graphic Novel Writing: Read graphic novels, compare author techniques, and learn to write and publish one using framing techniques and technology. Instructor Reneau. This course may earn .25 or .50 elective credit or English credit.

Oregon Indigenous History: We will explore Oregon Native American History, looking at the tribes who inhabited the state and how indigenous tribes are recognized today. We will explore culture and tradition, including storytelling. Literature will be integrated through the semi-autobiographical novel, *The Absolutely True Diary of a Part-time Indian*. Instructor Polk. This course may earn .25 or .50 elective credit or social studies credit.

Digital Imaging Photography: This project-based course will introduce students to basic photography skills with a focus on composition, storytelling, and the exposure triangle. Students will develop skills with a DSLR camera and desktop image manipulation and distribution software such as Adobe Lightroom and Photoshop. Instructor Schaffer. This course may earn .25 or .50 elective credit or art credit.

Wind Turbine Engineering: In Wind Turbine Engineering students will explore the fundamental principles involved in producing electricity from wind energy including aerodynamics and electromagnetic induction. Students will apply these principles to design their own functional wind turbines using a variety of methods while attempting to maximize the efficiency of their turbine. Students will have access to 3D printers and laser cutters. Instructor Duell. This course may earn .25 or .50 elective credit or science credit.

Soccer Skills: Hone in your soccer skills and fitness in this sport-specific PE class. Instructor Cramer. This course may earn .25 elective or pe credit.

Online Classes: Students have the opportunity to work at school or at home on a variety of online classes that can earn .5 credit per course. Students may sign up for Session 1 or Session 2, am or pm or any variation. Instructor Lockett

PM Session 2: 11:30 am-2:30 pm

Shakespeare: Have you ever wanted to learn more about Shakespeare and his works? This English class will focus only on Shakespeare's comedic plays and the time period in which he wrote his works. Learn more about what it was like to live in Elizabethan England. Read some of Shakespeare's funniest plays. Enjoy his colorful characters, engaging plots, and masterful use of language. We will read two or three plays out loud and act out scenes in class. We will also create some imaginative artwork/masks ! We will also view some of the best movie versions of Shakespeare's works. Come and explore the wonderful world of Shakespeare in this unique class. Instructor Shields. This course may earn .25 or .50 elective credit or English credit.

Dystopian Literature: Read and watch classic and modern dystopian literature /films to learn how to write one of your own. Reflect on what a utopia would look like and pitch yours in a class competition. Instructor Reneau. This course may earn .25 or .50 elective credit or English credit.

Pre-Algebra: Are you looking to brush up on your math skills before school starts? This course will focus on basic algebra skills needed to be successful in algebra. We will work through practical skills through direct instruction and applicable examples through Delta Math. This course can be awarded as elective credit or as modified math credit. Instructor Polk. This course may earn .25 or .50 elective credit.

Geometry B:

Geometry is the study of visual patterns. Included among the topics in geometry are logic, polygons, congruency, similarity, proofs, polyhedrons, area, and volume. Topics in statistics and probability are included. The student will be expected to use the knowledge gained in Algebra to solve geometric problems. A scientific calculator is required. The course will use compasses, protractors, rulers, and paperfolding to discover the principles of geometry. Students will apply the concepts and vocabulary of geometry to art, architecture, construction, and the natural world around us. Prerequisite: Algebra. Instructor Doss. This course may earn .25 or .50 elective credit or second semester Geometry credit.

Math Peer Tutor: Peer Tutor is a leadership position designed to enhance math concept development, problem solving and communication skills of all students and to advance academic and personal development. Students will have the opportunity, with support from the teacher, to work with peers to better understand course topics and to effectively discuss those ideas with math vocabulary. Throughout the course, students will develop and practice skills essential for personal management, problem solving and effective communication. Peer Tutors may perform teacher assistant duties as well. Instructor Doss This class may earn .25 elective credit.

Write a Children's Story! The course will examine some of our favorite children's stories, using the texts to analyze the narrative elements and what makes an effective story. Students will then have the opportunity to partner with a preschool or elementary aged child to co-create a children's book together. Designed for all grade levels. Instructor Sinclair. This course may earn .25 or .50 elective credit or English credit.

Unlocking Mystery: Students will delve into the mystery genre, both fiction and non-fiction. They will read short stories, examine podcasts, and watch to analyze narrative elements and archetypes in a range of mystery texts from Sherlock Holmes, to hard-boiled fiction to contemporary true crime stories. Students will practice their problem-solving skills and deductive reasoning with logic puzzles, escape room tasks, and a mock investigation. Appropriate for 11-12 grade. Instructor Reneau. This course may earn .25 or .50 elective credit or English credit.

Film studies: This course introduces students to the basics of film analysis, cinematic elements, genre, and narrative structure and helps students develop the skills to recognize, analyze, describe and enjoy film as an art and entertainment form. We will explore and analyze both classic and modern films from various eras. (Please note: Some films may be rated PG-13 and require a parent permission slip. A list of the films and descriptions will be sent to students and parents prior to the first day of class.) Instructor Schaffer. This course may earn .25 or .50 elective credit or art credit.

Financial Math of Home Ownership: In this Financial Math class students will explore the applications of math in home ownership including topics such as compound interest with mortgages, home appreciation with trendlines, & finally remodels with area/volume concepts. Instructor Duell. This course may earn .25 or .50 elective credit or math credit.

Blues Dancing: In this class students will learn how to blues dance! Blues is an entry level partner dance with many similarities to swing, though it is much more versatile. In the history portion of this class students will learn the roots and evolution of blues dancing, while in the practicum portion we will develop and practice several skills such as how to; lead, follow, solo dance, turn, dip, and more! These practical skills can be applied across all genres of dancing and music. Instructor Grastle. This course may earn .25 elective credit or pe credit.

Writing The World Around You: Students will spend time walking in nature, through town, around the school, etc. and will write their senses. The mode of writing will be mostly up to the individual (poetry, journaling, narrative, etc.). Instructor Finnegan. This class may earn .25 or .50 elective elective or English credit.

Online Classes: Students have the opportunity to work at school or at home on a variety of online classes that can earn .5 credit per course. Students may sign up for Session 1 or Session 2, am or pm or any variation. Instructor Lockett