SPRINGS LEARNING CENTERS

Cherry Valley, Corona, Del Rio, Enterprise, Hemet, Indio, Otay Ranch, Rancho Cucamonga, Riverside, Santa Ana, & Vista

2022-23

The Springs' theme this year is The Greatest School on Earth! Come one, come All!
Each year our theme brings fun and focus to our school and this includes the Learning Centers.
Below you will find our circus theme incorporated in the names of many of our classes.
Come soar with us this year!

TK & Kindergarten - 8th Grade LC Classes

Class	Class Description
Acting & Improv	Talent is reflected in a variety of art forms. Some dream of acting on the “big screen” while others wish to build self-confidence and learn how to engage an audience. In Acting and Improv, students learn how to act for close-ups, perform a monologue, play a character, and how to address their audience all at the same time becoming believable actors. Students' plays will be videoed allowing students the opportunity to critique their own performances. During Improv, students will learn to develop detailed comedic and dramatic characters and gain skills on how to be spontaneous while staying focused and in character. And all the while, having fun! By the end of the year, students will improve their overall confidence, learn how to engage an audience, and be exposed to the exciting world of performing arts - a valuable tool for high school, college, and beyond!
Art Around the World	We know our students enjoy painting... drawing... designing... and exploring the various methods of creating art! It is essential to offer students a space to tap into their imagination and creativity. Opening their hearts and minds to the brilliantly diverse world around them is equally important. Before the written word, ART was the way people communicated. In this class, students will learn the techniques, elements, and history of art while traveling around the world. Please join us as we take a journey with Deep Space Sparkle to learn about various artists, cultures, customs, celebrations, and communities while a paintbrush or pencil is in our hands!
Bizworld	BizWorld teaches children the basics of entrepreneurship, business, and finance in a hands-on, fun, and collaborative way! This project-based learning (PBL) program allows students to learn firsthand how to start and operate their own businesses. Working in teams of six or less, students start, fund, and run their company in the friendship bracelet industry. The decisions that the companies make are entirely student-driven. Students decide everything from naming their company, how to market the business, how many products to make, and how much to charge. The program culminates with the Sales Bazaar, an exciting opportunity to engage other students at your school, parents, administrators, and community members. Students sell their products (friendship bracelets) to their customers during the Sales Bazaar - don’t worry; no real money is involved, just real-life skills! BizBucks abound in this Business Building Ballyhoo! Throughout BizWorld, students have multiple opportunities to practice leadership skills and fine-tune their real-life math and communication skills. Check it out at Bizworld.org!
Book to Big Screen	Cinema and literature have had a long relationship with each other ever since the art of filmmaking started. Literature has always been one of the primary inspirations for motion pictures since both books and films represent the art of storytelling. That is what the heart wants, a good story! But why does the film version of stories so often change from their written version? Has a love of a movie ever inspired your student to READ a BOOK? How do authors and directors make a story spring from the page onto the screen? These are just some of the questions that will be explored in this teacher/student/parent-developed class. As a collective, you will decide which literature has heightened wonder and curiosity in your student and deserves a deep dive of contemplation and exploration.
Bookworms Book Club	Calling all Bookworms!! Within the pages of a book, you can travel anywhere in time and space. But, reading is only half the fun! This reading club will explore a variety of books, short stories and poetry from different genres. In addition to literature circles, students will have the opportunity to discuss with each other, participate in podcast round tables, create art and have fun! Students will be encouraged to ask thoughtful questions of their peers to learn more about what and why they like the book they are reading. In this way, learners will improve their interpersonal skills by learning to ask meaningful questions and learn about another person's interests! Let their imaginations soar and join us for this exciting book club!
Circus Life Art	Life at the circus is an exciting thing—the animals, talented people, circus acts, and more. "Circus Life Art" will explore the lives of the people, animals, and different performances found in the circus through art. The students will be able to identify characteristics of people, animals, and various shows performed under the Big Top. At the end of the year, students will have the opportunity to create their own Big Top Circus using all the knowledge and the skills they have gained. In addition, this class will explore art with watercolors, pastels, and 3D Modeling. We will also have the opportunity to dive into some STEM projects to build pieces for our circus. Students will walk away knowing so much more about Circus Life, art, and so much more!

Cirque de la Cuisine	Has your student ever wondered where and when broccoli was first discovered, what happens when we alter food's temperature, why certain foods pair well together, why some cheeses melt and others don't, why some breads are flat and some are fluffy, why bananas turn brown when you put them in the refrigerator, why milk tastes so good with cookies, or why some foods give you heartburn? This class is for them because it is all about the science of FOOD! Join us to learn the most interesting facts and science behind the foods we eat. We all have been told not to play with our food at some point. For food scientists, using food for something other than a meal or snack is their job. When we pair this with the craziest place on earth, the CIRCUS, we are sure that your student will gain valuable knowledge about food safety, food chemistry, food handling, the origin of food, food production, how our bodies use the foods we eat, and much more! Cirque de la Cuisine or Circus of Food is filled with hands-on activities that will spark every student's curiosity. NOTE: This class does not involve any cooking.
Clown Around with Arts & Crafts	Let's get kooky, let's get crazy, let's get crafty! Grab your brushes, buckets, and a Bozo Bonanza of beads and baubles. It's time to clown around with arts and crafts! Students will be encouraged to think outside the box to create crafts that include glitter, googly eyes, glue, and good times in this class. With the help of Deep Space Sparkle, your student is sure to dazzle you with the glitz and glimmer these projects will offer. Best of all... the mess is left at the Learning Center, so the joke's on us! Step right up, and get your child's ticket to the greatest arts & crafts class on Earth!
Community Care Club	Students engaging in acts of service, big and small is as good for the student as those on the receiving end. Volunteering and giving back to the community where students live can help them develop respect toward others and pride in their community. Depending on the site and student choice, students will have many opportunities to make a difference. For example, they may support non-profits or organize and run events to collect items for organizations that give to those in need, such as animal rescues or food banks. They may participate in activities such as planting trees, writing to those serving our country and learning about people who have made a positive impact. Community Care Club will be a place to cultivate a heart for others, develop a sense of connection to local and global needs and activate a growth mindset. Volunteering & civic engagement can provide experiences that affirm a young person's understanding that "I CAN make a difference!"
Countries & Culture	"Countries & Culture" will take a deep dive into some of the countries found on all seven continents! We will explore different cultures through art, food, religion, celebrated holidays, and day-to-day activities. This hands-on class will include learning traditional dances, creating art, and tasting authentic cuisine. Students will learn about each country's history, government, and socio-economic status. In learning about the different cultures around the world, students will better understand the world around them and become more accepting of others. 'Culture is the arts elevated to a set of beliefs.' Thomas Wolfe
Cursive, Keys & Calligraphy	Communication is key! In this course, students will unlock their ability to learn new ways of communicating in functional and creative ways. Students will learn the ins and outs of basic keyboarding, communicating through email, making presentations on Google slides, and more. They will also get to try their hand at creative communication through cursive and calligraphy. Cursive is an essential tool for cognitive development, and calligraphy is an art form. Key into this class for aspiring scribes.
Curtain Call- Intro. to Theater Arts 1 & 2	Step right up! Come one, come all to our Curtain Call- Intro to Theater Arts1 & 2 Course! This Theater Arts Course is designed to introduce students to various elements of the theater. Students will explore the art and business of professional theater from historical, literary, and professional production perspectives. Students will examine the role of acting, directing, sound, lights, set, costumes, make-up, and publicity in creating a theatrical production. In addition, students will explore the craft of acting through theater games, improvisations, scenes, and character study. Theater Arts 2 Students will build on foundational theatrical skills learned in Theater Arts 1 and have the opportunity to create and produce mini theatrical presentations. ***PLEASE NOTE* This is a performance class; all students are expected to participate—attendance and arriving on time to class play an essential role in supporting our fellow actors. Up to four (4) after-school rehearsals are required, and students are expected to complete the hours and work necessary for their final performance project.** ***All Students must bring their Chromebooks to class and have access to Canvas in class and at home.**
Games of Strategy	Games of Strategy can build valuable thinking skills. One of the most effective ways to learn these skills is a direct and authentic experience that leaves the student wanting more. Game-playing is the perfect example of such an experience because it is entertaining and engaging and promotes student involvement. Games provide an opportunity for reflective and logical thinking, planning, problem-solving and decision making. In this class, we will be introducing various games such as Chess, The Settlers of Catan, Mancala, Mastermind, Pandemic, and Ticket to Ride. Students may also do a project where they create their own game. Students will most importantly develop the life skills of cooperation, coping and dealing with making mistakes, and being resilient while engaging in friendly competition.

I CAN Math	Master the I CANs in a fun group setting! This class is an approved Math Path option that includes ALL textbooks (Ready Classroom) and supplemental materials for your math curriculum for the school year. The program's structure and requirements are in place to help each student succeed! A highly qualified, credentialed teacher will plan lessons and teach this course using various strategies personalized for every learner. In addition, there will be several components to the class, including textbook lessons, interactive small group instruction, supported independent practice, hands-on centers, and an online math component called iReady. **Students must complete 90 minutes of structured math assignments on the additional three home days each week guided by parents, including personalized practice with iReady. Students are expected to attend class two days per week regularly. The teacher, ES, parent, and the student will be required to sign the I CAN Math Roles & Responsibilities form.** The I Can Math teacher will give all assignments and assessments instead of the ES. Parents are expected to be facilitating the lessons on home study days, making sure students complete their assignments and understand the concepts. The I CAN Math teacher is available by phone or email to help support both the parent and student at home. It's a beautiful partnership! **Students taking this class will be required to bring their school-issued Chromebook and Math textbook to class each day they attend.** **Students must take their (3) Milestone math assessments and iReady diagnostics onsite. Both Part 1 and Part 2 must be purchased and attended regularly to continue enrollment in this class.**
Illustrate and Print a Book	Illustrations bring books to life! Students will learn several art methods throughout the school year and choose their favorite one to create illustrations in their very own book. This class will dive into watercolors, pastels, and several other art mediums while exploring the methods of drawing techniques. Art History will also be touched upon. Students will learn about various forms of illustrations used throughout history. Now that the words are on the page let's add the illustrations! Students will walk away knowing they are young illustrators.
Imagineering ~ Discovering Disney	Explore the creative, musical, and scientific side of Disney Magic! In this class, Disney's Imagineers from around the world will share how they use a wide range of skills – from story development and conceptual design to math, physics, and engineering – that all come together with art and music to create immersive experiences. This class will also include the Imagineering in a Box curriculum designed by Pixar. This program allows students to explore different aspects of theme park design, from characters to ride development, as they create a theme park of their very own. In addition, students will have the opportunity to use their creativity and have fun as they see what it takes to create the Happiest Place on Earth!
JuiceMind - Let's Code!	*JuiceMind - Let's Code* is a class full of learning, fun, and technology! To begin, students will learn to code using block-based coding that utilizes a drag-and-drop learning environment, where programmers use coding instruction "blocks" to construct programs. It's a kid-friendly activity, where students can gain a foundation in computational thinking through visuals as opposed to coding that is based in text. Following this introduction of the basics, students will learn to code in Python, a more complex code based in text with real-world coding projects. Each week, students will collaboratively work through tutorials with the guidance of the teacher to complete task based coding assignments. The skills they learn throughout the year will be applied to building functional projects programed in Python. The activities in this class are designed to explore computational thinking concepts such as sequence and loops, practices such as testing and debugging, and perspectives through questioning. Students will enjoy showcasing their skills and sharing their creations with their friends and family. Who knew that technology could be so fun?! ****Students in grades 3-8 taking this class will be required to bring their school issued Chromebook to class every week.**
Just Start Writing!	"Just Start Writing!" will inspire students to create informational articles, persuasive pieces, engaging narratives, and more. While using the ol' traditional paper, pen or pencil, and 21st Century digital tools, students will learn the skills needed to organize their thoughts and ideas into influential, dynamic written works. Scholastic's Scope and Storyworks curriculum will allow students to read fascinating stories that build knowledge and inspire them to think critically about their world with resources that reflect their lives, interests, and identities. Using various strategies and fun small-group and hands-on techniques, teachers will meet students at their personalized writing level, giving individual feedback to help them improve. Students of all ages can benefit from growing their writing skills to make them stronger, more confident communicators as they prepare for the future! ***Students taking this class are required to bring their school-issued Chromebooks to class every week.**
Kids Care Club	Giving back to the community in which we live is something we can all do, even kids! Volunteering and contributing can help students learn about their community and develop respect and understanding for different people's stories. Not to mention the shared sense of accomplishment and satisfaction in helping someone in need. Kids Care Club will be a place to cultivate a heart for others, develop a sense of connection to local and global needs and activate a growth mindset. Volunteering & civic engagement can provide experiences that affirm a young person's understanding that "I CAN make a difference!"
Leadership & Yearbook	This class is divided into two sections: Leadership and Yearbook. In Leadership, students may participate in planning and carrying out fundraising events, arrange spirit days for their Learning Center, or work on specialized projects. Students will embark on challenging activities and team-building games to motivate and bond as a group. In Yearbook, students will collect and artistically apply photos representing Learning Center memories to the yearbook pages throughout the year. Some yearbooks will be available as hard copy books, and some will be digital. These classes will provide students with the leadership skills and self-confidence necessary to become leaders within their school and community. ***Students taking this class are required to bring their school-issued Chromebooks to class every week.**

LEGO Math	Math + LEGO = FUN! Learning math concepts are more fun when it includes one of the greatest toys ever. Join our LEGO Math class which will offer engaging hands-on math activities to help students conceptualize and retain foundational math skills. Our class will incorporate essential, hands-on, primary math lessons and activities, including fun building challenges and our own specially created developmental levels. Students will work at their own pace to set personal goals and advance by demonstrating mastery of math concepts.
Life Skills the Springs Way	Springs cares about the **whole** child. Through hands-on learning, students will practice problem-solving and character-building exercises. They will collaborate and work in teams, become critical thinkers, problem solvers while being creative and imaginative. Older students may explore global and cultural awareness, social responsibility, and ethics. Each Learning Center will approach this class differently, as topics along the continuum will be addressed based on student interest, as is the Springs way! Students in younger classes will learn skills such as how to address an envelope, follow a simple recipe, and count out correct change. Students in older classes may learn about personal finance, etiquette, health and wellness, survival skills, taxes, how to create a podcast, and various problem-solving strategies. Under the Big Top, we will be building the next generation of great thinkers and do-ers! ****Students in grades 3-8 taking this class are required to bring their school-issued Chromebook to class every week.**
Math Genius	Do you hear your student say, "Math just isn't my thing?" "Math, I don't get it!" or "I love Math!" Whatever their mindset, Math Genius is for them. This class will guide students through visually engaging lessons that encompass standards-based math rigor through creative student centered videos, reading materials that "break it down", vocabulary, discussion questions, hands-on practice word problems, hands-on practice number problems, embedded assessment, exit tickets, interaction and collaboration. Produced in partnership with the National Math Teachers Association. Invite your student to become a Math Genius through the exciting world of generationgenius.com! **This class does not provide a curriculum.** **This class meets one time per week and is not intended to be a full math course.**
Musical Moments	Can you feel the music? Musical moments will allow students the opportunity to explore music in a variety of ways! Students will hear and learn to appreciate music in different eras and genres and train their ears to *hear* music in new ways. They will learn songs, practice rhythms and possibly even add choreography! If possible, students may prepare live or recorded performances. In addition, students may be able to interact with basic instruments, depending on the class and availability. Come make music with us!
Nifty Fifty United States	My Country t'is of thee, sweet Land of Liberty. This great Nation is a delightful melting pot full of fun facts. Whether we are landing at Ellis Island, scaling the Appalachian Mountains or panning for gold in San Francisco. Your student is sure to learn a little gem about each state and see first hand why America really is the NIFTY FIFTY. Designed for young learners, this fun project filled class will include writing, math, art, reading, social studies and science. Let freedom ring!
Performing Arts	This class introduces students to the art of performing, to develop an appreciation of the art, understand how various acting techniques may be used to heighten one's awareness and as a tool for self-realization. Performing Arts offers students the chance to experience the excitement and rewards of theatre arts while developing poise, social skills, confidence, and the ability to work with others. If you want to find your place on the stage, this is the class where the performing arts will bring out the theater muse in you! Downstage, Upstage, Rightstage, and Backstage! This course will introduce the basics of acting and improv, vocal music, basic choreography, including some technical and backstage workings. ****Each class is unique and will decide to have either a full live performance in front of an audience or perform in the comfort of the classroom!**
Ringling Readers	Let's read together! Celebrate the captivating world of children's literature as we clown around the Big Top. We will read books written by a variety of beloved authors. Students will connect with lovable characters as they engage in reading, writing, listening, and speaking skills that accompany well-rounded literacy development. As students listen to stories unfolding, they will embrace friendship, diversity, kindness, problem-solving strategies, and creativity while learning essential social skills and character traits. Fun, collaborative activities, crafts, and discussions make this a beginners' "Book Club" for future book enthusiasts!
Ringling Readers & Writers	Let's read and write together! Celebrate the captivating world of children's literature as we clown around the Big Top. We will read books written by a variety of beloved authors. Students will journey together with lovable characters as they engage in the reading, writing, listening, and speaking skills of well rounded literacy development. As students listen to and/or reads stories unfolding, they will embrace friendship, kindness, adventure and creativity while learning important social skills and character traits.Students will learn to write using the Step Up To Writing Program incorporating the multisensory, explicit, and systematic approach to writing that will provide clear strategies, methods, and supports for increased student success.
Science Genius	Is your student curious? Do they wonder? Question? *Science Genius* will guide them through inspiring Science lessons that encompass standards-based learning through engaging student centered videos, relevant reading materials on assorted subjects, vocabulary, discussion questions, hands-on experiments and DIY projects, quiz games, exit tickets, plenty of interaction and collaboration. Some topics include: *Chemical vs. Physical Changes, Atoms & Molecules, What is Engineering?, What is a Scientist?, Biomimicry, Ecosystems* and a whole lot more. This class is produced in partnership with the National Science Teachers Association. Invite your student to become a Science Genius through the exciting world of generationgenius.com!

Scratch - Let's Code!	*Scratch - Let's Code* is a class full of learning and fun! Students will learn coding with a twist of creativity. They will be immersed in design-based learning that emphasizes design, personalization, collaboration, and reflection. The activities in this class are designed to explore computational thinking concepts such as sequence and loops, practices such as testing and debugging, and perspectives through questioning. Students will create and program interactive games, art, activities with block-based coding in Scratch. Block-based coding utilizes a drag-and-drop learning environment, where programmers use coding instruction “blocks” to construct programs. It's a kid-friendly activity, where students can gain a foundation in computational thinking through visuals as opposed to coding that is based in text. Who knew that technology could be so fun?! ****Students in this class are required to bring their school issued Chromebook to class every week.**
Soar into Sign Language 5th-8th	This is an introduction to the world of Signing. Research has shown that signing in the classroom can build vocabulary and enhance social interaction for students of all abilities. For example, learning American Sign Language (ASL) helps students become more engaged in all areas of learning. Signing involves physical movement, which adds a kinesthetic element to learning. This physical movement engages students' bodies and brains, giving them a more intensive and multi-sensory learning experience. This course uses the curriculum called "Sign It ASL." This curriculum teaches ASL. It includes lessons on vocabulary, grammar, fingerspelling, non-manual markers such as head tilting, facial expressions, eye shifts, or body movements, and an introduction to Deaf culture. In addition, students will have the opportunity to learn hundreds of vocabulary words, practice fingerspelling, understand ASL sentence structure, and much, much more!
Soar into Sign Language TK-4th	This class will offer a fun and exciting introduction to the world of signing, using the curriculum, *"Signing Time"*. This is the only early learning system to combine the power of music and sign language to create exceptional learning experiences for children from birth through elementary school. Students will focus on a dozen or more signs in each unit around themes like school, colors, feelings, family, and getting along. They will also learn to sign letters and numbers. They will practice signs with interactive games and activities as well as use signs in fun songs, poems and stories. In addition to learning signs, students will be introduced to deaf culture further learn to celebrate all of our unique differences.
Soar into Spanish	Hablas Español? No? Well, soon you can! This class will help students build basic Spanish vocabulary and grammar skills through games, conversation, projects and songs. We will emphasize oral communication at a beginning level. The objective of this class is for students to comprehend and converse in Spanish with their peers and others within the community. In addition, students will develop speaking , listening, reading, writing skills to include understanding the Spanish and Latin American culture - differentiated for each grade level. We will strive to further each student's conversational skills in Spanish. Throughout the year new vocabulary, the past tense and other useful grammatical points will be covered.
Spark PE	Spark PE is a fun and exciting class that focuses on the development of healthy lifestyles, motor skills, movement knowledge, and social & personal skills. In this coarse students will enjoy and seek out physical activity, develop and maintain acceptable levels of physical fitness, develop a variety of basic movement and manipulative skills so they will experience success and feel comfortable during present and future physical activity pursuits, and develop the ability to get along with others in movement environments (e.g., share space and equipment, employ the “golden rule” of competition: be a good sport and demonstrate cooperative behavior). We encourage you to visit sparkpe.org to learn more about this fun and engaging curriculum that will get your student moving and grooving this year!
Step Right Up & Write	Step right up and become a more confident writer! This class utilizes a curriculum that helps students understand the importance of each step in the writing process called "Step Up to Writing." Beginning writers explicitly learn and practice each phase of the writing process. As students become more advanced writers, they move back and forth between the steps, and the process becomes more fluid and automatic. Students will learn the three types of writing students need to master the I CANs. They will build confidence and grow as a writer by stepping right up!
Walk on the Wild Side	Did you know that there are penguins that live in South America? Where is the Ring of Fire? Can you name the longest river in the world? Come study our world's wonderful environments! Students will explore a variety of biomes and habitats, from the desert to the rainforest, and find out what kind of plants and animals survive in these unique and extreme environments.
Write (and Print) a Book!	Is your child a budding Author? Writing a book can be easier than you think! Everyone has a story to tell, and in this class, we will go through the writing process steps from brainstorming, drafting, revising, editing, and publishing. Students will participate in fun activities that focus on narrative writing and learn how to make their words create visual pictures that dance in the reader's mind. They will explore some of the various children's online publishers who have made it easy to create a book. Students will feel the excitement of publishing their own books and becoming young authors!
Zoophonics Under the Big Top	All Children Love the Zoo! Zoo-phonics® is a method developed to make children strong readers and spellers using a “phono” (hearing), “oral” (speaking), “visual” (seeing), “kinesthetic” (moving), and tactile (touching)—whole-brain approach. Students actually learn the sounds of the alphabet and advanced phonemic concepts through an easily understood, concrete method of presentation. Zoo-phonics® uses animals drawn in the shapes of the letters for ease in memory. A related body movement is given for each letter. This concrete approach cements the sounds to the shapes of the letters. Zoo-phonics® is an effective and developmentally appropriate way to teach phonemic awareness and students have FUN learning!

High School LC Classes

Class		OPT
Algebra 1		This is a first year algebra course in which students will learn to reason symbolically. Content involves writing, solving, and graphing linear and quadratic equations, including systems of two linear equations in two unknowns. Quadratic equations are solved by factoring, completing the square, graphically, or by application of the quadratic formula. Study of monomial and polynomial expressions, inequalities, exponents, functions, rational expressions, ratio, and proportion are included. Algebraic skills are applied in a wide variety of problem-solving situations.
Algebra 1	**Springboard to Algebra 1**	This OPT will allow students time to review concepts learned from the previous year in preparation for moving forward in the course.
	Excuse Me, Do I Have to Repeat Myself?	This opt will explore searching for patterns. The following topics will be covered: Quantities and Relationships: Students will recognize that different function families have different key characteristics. Sequences: Students move from an intuitive understanding of patterns to a more formal approach of representing sequences as functions. Linear Regressions: Students will focus on patterns that are evident in certain data sets and use linear functions to model those patterns.
	Change It Up	This opt will explore constant change. The following topics will be covered: Linear Functions: Students connect arithmetic sequences to linear functions. Students examine the structure of equations representing functions and compare the graphs to determine what their differences indicate about the functions and the scenarios they model. Solving Linear Equations and Inequalities: Students use the Properties of Equality to justify the steps to solve one-variable equations. They examine and compare the structure of equations that have one, zero, and infinitely many solutions. Systems of Equations and Inequalities: Students build on their current tools for solving systems of equations. Students analyze the structure of equations to select an efficient method to solve. Functions Derived from Linear Relationships: Students connect the absolute value of a number to the absolute value of a function. Students extend their understanding of transforming linear functions to transform absolute value functions.
	Data Jam and Decay	This opt will explore investigating growth and decay. The following topics will be covered: Introduction to Exponential Functions: Students recall geometric sequences and explore their graphs. They learn that some geometric sequences belong to the exponential function family. Students expand their experiences with function transformations. Using Exponential Equations: Students use exponential equations to solve problems. Students then solve real-world problems that can be modeled by exponential functions. One-Variable Statistics: Students identify key characteristics of exponential functions from a sequence, function, table, graph, or scenario. Two-Variable Categorical Data: Students compare linear and exponential functions. They use exponential functions in different forms to recognize exponential growth or decay, calculate and interpret average rate of change, and make comparisons.
	How are your Quads?	This opt will explore maximizing and minimizing. The following topics will be covered: Introduction to Quadratic Functions: Students explore the structure of quadratic functions through four real-world situations. They learn key characteristics of quadratic functions through explorations with their graphs and equations. Solving Quadratic Equations: Students begin by solving simple quadratic equations with the tools they used in middle school. They use these tools to solve increasingly complex quadratic equations. Students are provided multiple opportunities to solve quadratic equations using efficient methods.
Algebra 2		This is the final course in the high school three course Math series. This mastery-based class will blend at home online education with hands-on face to face to interaction. Students will build on their Algebra 1 and Geometry experience. They will explore analyzing patterns, composing and decomposing functions, polynomial functions, factors and zeros, polynomial models, rational functions, radical functions, exponential and logarithmic functions and equations, growth modeling, trigonometric relationships and equations, interpreting data in normal distributions, making inferences and justifying conclusions.
Algebra of the World		Finally, an answer to "When am I going to use his in real life?!" Algebra in the World is designed to engage students with real-world financial applications while maintaining deep mathematical rigor at the Algebra 2 level. Each unit blends one core personal finance topic and one relevant math concept. Students will explore questions like "How can you compare banks using systems of equations?" and "What do exponential functions reveal about investing and debt?"
Algebra of the World	**Adulting, Why and How**	Come with us on an adventure into the skills necessary to begin life as an adult. We will take students through when, where, and how to open a checking account, get a job, and do their taxes.
	Money, Money, Who Wants Some Money?	If money makes the world go round, then how do I get on the ride? Students will investigate how they can save, budget, and invest in their greens. Let's learn how to make money together!
	Grow Me Some Money?	Students will look at investment strategies and the different types of credit. They will begin to form their picture of how to set up their lifelong investment strategies.
	How Do You Pay For That?	Students will explore managing credit, paying for college, and how insurance worksd. Students will zoom out and see how finances work from a statistical perspective.

Book to Big Screen		Cinema and literature have had a long relationship with each other ever since the art of filmmaking started. Literature has always been one of the primary inspirations for motion pictures since both books and films represent the art of storytelling. That is what the heart wants, a good story! But why does the film version of stories so often change from their written version? Has a love of a movie ever inspired your student to READ a BOOK? How do authors and directors make a story spring from the page onto the screen? These are just some of the questions that will be explored in this teacher/student/parent-developed class. As a collective, you will decide which literature has heightened wonder and curiosity in your student and deserves a deep dive into contemplation and exploration.
Chemistry		Chemistry counts toward the Physical Science requirement for graduation. This course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes laboratory experiments that encourage higher-order thinking applications. The components of this course include the composition and properties of matter, organic chemistry, changes and interactions of matter, and nuclear chemistry. Throughout the course, students solve problems, reason abstractly, and learn to think critically. The course uses the processes of looking at research and investigation to make claims, provide evidence, and reason to come to conclusions about scientific phenomena. While taking this class, students will be able to connect chemical concepts to climate change, weather phenomena, and forensics in a practical manner.
Chemistry	**Who's the Guilty Party?**	How are modern crimes solved? How do we use Chemistry to investigate crimes, even those that may have been committed decades ago? Things you have seen on television and movies, will now be the "real" science behind forensics
	Life In the Balance: Why are the Oysters Disappearing?	A study in climate change and ocean acidification How are man's actions disrupting the carbon cycle and how does this have far reaching effects even on ocean organisms? What can be done to reduce carbon emissions and slow climate change? How do chemical principles of acids and bases help give explanations and solutions to the problems?
	How Does a Small Spark Trigger a Huge Explosion?	Looking at the phenomena of how a small model of electrostatic interactions incorporate the relationship between electric potential energy and electric forces. In particular, the unit focuses on the electrostatic attractions and energy conversions involved in the formation of molecules (chemical reactions).
	Hot Packs and Cold Packs: Why Do These Work to Help Ease Our Pain?	Students investigate why some substances absorb heat when they react, while others release it. Students first solve the mystery of where energy goes in endothermic reactions by examining salt dissolution and using magnets as models for bonds. They then expand their investigations to look into where the energy comes from in exothermic reactions. The model they continue to develop with magnets helps students account for why breaking bonds absorbs energy from the surroundings while forming bonds releases energy into the surroundings. The end of the unit naturally motivates a new question to pursue in future units, "Why are some types of particles more attracted to one another than others?"
	Hurricanes and Superstorms: Weather Out of Control!	Using proof to show how atmospheric chemistry in one part of the world can affect the world climate everywhere. How does the heating up of the atmosphere cause superstorms to be produced. This may be the world of the future because of a buildup of carbon dioxide.
	All those Lost Socks: Why Do Some Things Stick Together?	Why do some clothes stick together when they come out of the dryer? Students develop a model of electric interactions to explain electrostatic phenomena. To develop and revise their models, students collect evidence related to how charged objects interact with other objects. They develop a particulate model of materials and a model of atomic structure to start building an understanding of the mechanism of charging objects.
Curtain Call- Intro. to Theater Arts 1 & 2		Step right up! Come one, come all to our Curtain Call- Intro to Theater Arts1 & 2 Course! This Theater Arts Course is designed to introduce students to various elements of the theater. Students will explore the art and business of professional theater from historical, literary, and professional production perspectives. Students will examine the role of acting, directing, sound, lights, set, costumes, make-up, and publicity in creating a theatrical production. In addition, students will explore the craft of acting through theater games, improvisations, scenes, and character study. Theater Arts 2 Students will build on foundational theatrical skills learned in Theater Arts 1 and have the opportunity to create and produce mini theatrical presentations. ***PLEASE NOTE* This is a performance class; all students are expected to participate—attendance and arriving on time to class play an essential role in supporting our fellow actors. Up to four (4) after-school rehearsals are required, and students are expected to complete the hours and work necessary for their final performance project.** ***All Students must bring their Chromebooks to class and have access to Canvas in class and at home.**
English 1 & 2		English 1 and 2 are rigorous courses designed to master Common Core State Standards. The courses include a scaffolded approach to writing, including frequent informal and formal writing opportunities, utilizing the writing process from prewriting to final product. Students will write essays in a variety of rhetorical modes including narrative, explanatory, and argumentative writing and develop research writing skills. Students will be exposed to classic and modern literature such as short stories, full length fiction and non-fiction novels, expository essays, memoirs, poetry, drama, and speeches. Students will be provided opportunities to read texts from different cultural perspectives and points of view and to make inferences, ask questions and discuss what they read. Students will develop and practice their speaking and active listening skills through giving presentations and orally communicating ideas to an audience during collaborative discussions to gain appreciation for differing perspectives.
	Surviving the Unimaginable	For this OPT, you will read one of three memoirs from the point of view of a teenager just like you, but these teens faced unimaginable circumstances no young person should have to ever experience. This OPT will challenge you to read about these teens' sad and disturbing experiences. You will question how people can be so cruel to one another. Ultimately, you will be inspired by these stories of these young people's will to survive even in the most dire circumstances.

English 1 & 2	**Shark Tank**	Shark Tank on ABC is a famous television show encouraging aspiring entrepreneurs to pitch their ideas to investors in hopes of launching their brand, product, or business. This course will appeal to your own entrepreneurial spirit allowing you to understand exactly what an entrepreneur is, gain inspiration from famous entrepreneurs, and explore the important ethical implications of running a business. At the end of the unit, you will dive into the Shark Tank and present your own business idea!
	Smells Like Teen Spirit	Teens get a bad rap because of how they are portrayed in popular culture. Teen characters often come across as hormonal, moody, impulsive, narcissistic, idealistic and rebellious. What every teen knows is that teens are grossly misunderstood by the adults in their lives and are struggling to just find their place in the world. Featuring literature with teenage protagonists, this OPT will look at themes reflective of the teen experience: growing up, acceptance, young love, dealing with loss, fighting for individualism, friendship, generation gap, and self-discovery. This OPT will give you the opportunity to reflect on your own experience as a teen as well as the experiences of the characters in the book you choose to read.
	Teenage Brain	If you have ever wondered why you sometimes see life through a very different lens than your parents or other adults in your life, you might be interested in the information in this OPT. Research indicates that significant and fascinating changes are happening to the brain during the teenage years. In this OPT, you will learn about those changes, how to make the most of them, and also how to present an argument for society to recognize them as well. You will have the opportunity to read about the real-life experiences of teenagers and delve into some fascinating research that will leave you with a better understanding of your own brain.
	Poetry for the People	The purpose of this OPT is to analyze the rhetorical use of poetry with an emphasis on poets' purposes for writing and the variety of audiences that can access, enjoy, and learn from poetry. In particular, the OPT starts by asking: "Why do poets write poetry? What is poetry for?" Then, the students will be given the option to choose different kinds of poems within contemporary American poetry that make poetry accessible for an adolescent audience. Students will read a wide variety of poems closely and examine how the writer made rhetorical choices. As a book review is a common genre used by poets to write and to learn about and evaluate poetry, students will write a review of the poems they have read, using criteria from poets, as well as their own ideas, as a means for reviewing the poems they chose. Students will be given the opportunity to craft and share their own poems.
	Less is More	Short stories can have a profound impact on a reader with very little text to read. Works within this genre can be highly stylized providing readers with mystery, suspense, joy, nostalgia, historical context and modern-day struggles. This course will allow students to discuss a multitude of writings instead of focusing on one novel. Students who love good stories with meaning and artistry will find a home in this class. The end of the unit will culminate with an opportunity to explore creative writing in the form of fiction or a narrative. Be prepared to read a little and learn a lot.
English 3 & 4		English 3 & 4 integrate close reading, analysis, interpretation, writing, research, speaking, and listening with a focus on mastering the Common Core State Standards. This course builds on student literacy and language arts skills from English 1 and 2 to promote critical thinking and analysis of fiction and nonfiction grade-level texts. Students will learn text-centered vocabulary and to critically read, annotate, and respond to text. Students will read literature and expository texts focusing on relevant contemporary issues. Students will analyze expository texts to examine the use of rhetoric in the texts and use the texts as models to craft their own arguments. Student writing will continue using the writing process in the following domains of writing: argumentative, informative/explanatory, and narrative. Students will have ample opportunity to conduct research and learn to choose and use credible sources of information to support their writing. Students will demonstrate more advanced writing conventions and stylistic choices. Students will learn to give, receive, and apply critical feedback during the writing process. Speaking and listening skills are enhanced through a variety of informal and formal activities including small group collaborative activities, class discussion, and presentations. This course helps to provide the foundational skills necessary for students to prepare for post-graduation plans.
English 3 & 4	**West with Giraffes**	It's 1938. The Great Depression lingers. Hitler threatens Europe, and world-weary Americans long for anything to raise their spirits. Inspired by true events, West With Giraffes by Lynda Rutledge, is part adventure, part historical saga, and part coming-ofage story. In this OPT you will explore what it means to be changed by the grace of animals, the kindness of strangers, the passing of time, and a story told before it's too late. You will research and learn about life in the 1930s and the specific challenges Americans were facing. If you love animals, you will enjoy the OPT.
	Stop the Stigma	Crazy. Insane. Psychotic. Troubled. These words highlight the stigma associated with mental illness. Stigma is a mark of disgrace that sets a person apart from others. When people are labeled by their illness, they are no longer seen as an individual but as part of a stereotyped group. This OPT strives to show you how literature can function to destigmatize mental illness. You will read and analyze literature from different genres to help you gain a deeper understanding of what it is like to live with or love someone with a mental illness.
	The Art of Persuasion	Do you like to argue? Do you hate losing arguments? If you want to improve your ability to argue effectively, this OPT is for you. The ability to build a strong argument is a skill that will serve you well throughout your life. The first part of this OPT will teach you how to structure and develop a solid written argument. In the second half of the OPT, you will identify powerful public speaking techniques by analyzing a variety of historically important speeches and then incorporate those techniques into a speech of your own.
	Into the Wild	In April 1992 a young man from a well-to-do family hitchhiked to Alaska and walked alone into the wilderness north of Mt. McKinley. Four months later, his body was found by a moose hunter. How Christopher Johnson McCandless came to die is the unforgettable true story of Into the Wild by John Krakauer. In this OPT, you will explore the possible reasons that propelled McCandless into the Alaskan wilderness and determine if this enigmatic young man found what he was looking for before he died. You will learn about the like-minded individuals who came before him and how he became inspired by their stories while analyzing the powerful language Krakauer uses as he shares this mesmerizing tale.

	Juvenile Justice	What is the best way to handle teens who commit serious crimes? Should they be helped or held accountable with time in prison? Should they be treated the same as adults? Should any teen be sentenced to life in prison? You will explore the ways in which evidence, observations, and experience contribute to strongly held points of view on how society should respond to juveniles who commit crimes. You will be exposed to differing viewpoints on the issue allowing you to form an educated opinion of your own. Choose between two novels to read for this unit: The 57 Bus by Dashka Slater OR Monster by Walter Dean Myers. These novels explore the teen experience within the juvenile justice system.
Geometry		Students will examine two and three dimensional geometric figures and their properties. They will develop geometric constructions, differentiate and solve by deduction and induction, make conjectures, and draw conclusions. Students will develop formal, logical proofs.
Geometry	**Springboard to Geometry**	This OPT will allow students time to review concepts learned from the previous year in preparation for moving forward in the course.
	Shape it Up	This opt will explore reasoning with shapes. The following topics will be covered: Using a Rectangular Coordinate System, students investigate the properties of squares and use them to construct a coordinate plane. Composing and Decomposing Shapes, students investigate relationships about shapes and begin exploring deductive reasoning. Rigid Motions on a Plane: Students begin to investigate congruence through rigid motions.
	Twinning - Did You Plan This?	This opt will explore establishing congruence. The following topics will be covered: Congruence Through Transformations: Students will begin formally proving geometric theorems on congruence. Justifying Line and Angle Relationships: Students build on the investigations they did in OPT 1: Composing and Decomposing Shapes. They will be formorizing and proving the conjunctions they made in the previous unit. Using Congruence Theorems: Students will continue to explore, conjecture and formalize congruence theorems.
	Mini-Me	This opt will explore investigating proportionality. The following topics will be covered: Similarity: Students investigate dilations in shapes, with a focus on triangles. Students will use scale factors to develop their proportional reasoning. Trigonometry: Students will further their understanding of similarity through right triangles and the trigonometric functions.
	Making Informed Decisions	This opt will explore connecting geometric and algebraic descriptions and making informed decisions. The following topics will be covered: Circles and Volume: Students will further their understanding of proportions through the investigations of circles. Conic Sections: Students will further their understanding of circles by investigating them within the coordinate planes. Independence and Conditional Probability: Students will be introduced to compound probabilities and explore how to analyze situations using mathematical evidence.
Living Earth		Living Earth counts towards the Life Science graduation requirement. This course is a survey of organism interactions, functions and relation to Earth. Students will use models to explain how multicellular organisms work through protein synthesis, building biomass, reproduction, homeostasis and interacting body systems. Students will link processes such as photosynthesis and respiration in organisms to the cycles of energy and matter in the Earth system. Students will collect and analyze evidence about the relation between Earth's biosphere and atmosphere. Students will develop evidence of evolution and connect it to the principles of natural selection. Students will develop explanations about mechanisms that enable genetic inheritance, calculate the probability that offspring will inherit traits, and make claims about which processes lead to genetic variation. Students will use models to determine the factors that lead to the dynamics of ecosystems. Students will investigate how the Earth's spheres respond to change, make forecasts about effects, and design solutions to mitigate the human impact on Earth - working toward a sustainable future.
Living Earth	**The Art of Life's Design**	Organisms are incredibly complex and amazingly beautiful. The processes that allow living things to function, stay balanced, and interact with the world around them is a wonder to behold. This OPT dives into the intricacies of how bodies function and allows the student to create art depicting the blueprints and processes that make organisms so phenomenal. Students will have the opportunity to draw, sing, write comics - their choice - to give their interpretation of "The Art of Life's Design".
	Being Small is a Big Deal	Island dwarfism is a phenomenon that has been proven to be true again and again. So how DO organisms on islands become smaller versions of their original selves? Does this exist around the world? Let's explore the mechanisms and pressures that lead to this evolution and allow us to answer the question: "What leads to the making of the minis?"
	Sea Urchin Dynasty or Disaster?	Sea Urchins may seem harmless, and in fact an unworthy opponent. Through this journey students will learn how a sea urchin population was tipped out of balance and began their dynasty. But is this dynasty ruling a successful ocean kingdom? Or are they headed for certain disaster and demise? Explore the balance of ecosystems through this interesting case study involving adorable otters, unassuming urchins and a recipe for instability.
	Internal Secrets of Genetic Disorders	We have all had experience, be it personal or indirectly, with the physical symptoms of genetic disorders. But what causes these symptoms to occur? What underlying issue leads to individuals with these disorders to experience diversions from the expected? In this OPT students will dive deep into the molecular cause, the functional change, and the resulting effect of genetic disorders. Students will have the opportunity to choose a disorder to use as a lens to understanding the intricacies of how our bodies function and maintain balance. What causes us to become different? Let's find out.
	The Invisible Fight	Explore the battle between humans and the superbugs that are killing us, antibiotic resistant bacteria and fungi. What are we doing to cause our loss of power in this struggle? How are these superbugs beating us at every turn. Learn about the journey of bacteria and fungi becoming "Superbugs" and what we can do to win the fight.

	Mysterious Buffalo	The population of buffalo in the Serengeti has experienced massive fluctuations - their fall and rise back to stability - over time. What would cause these African populations to have a history of such drastic changes? Can we chalk it up to predation? Climate change? Food Resources? Students will explore life on the African Safari to answer these questions and solve the mystery of the Serengeti Buffalo.
Performing Arts		This class introduces students to the art of performing to develop an appreciation of the art and understand how various acting techniques may be used to heighten one's awareness and as a tool for self-realization. Performing Arts offers students the chance to experience the excitement and rewards of theatre arts while developing poise, social skills, confidence, and the ability to work with others. If you want to find your place on the stage, this is the class where the performing arts will bring out the theater muse in you! Downstage, Upstage, Rightstage, and Backstage! This course will introduce the basics of acting and improv, vocal music, basic choreography, including some technical and backstage workings. ****Each class is unique and will decide to have either a full live performance in front of an audience or perform in the comfort of the classroom!**
Physics		Physics counts toward the Physical Science requirement for graduation. The course includes an overview of scientific principles and procedures, and leads students toward a clearer understanding of motion, energy, electricity, magnetism, and the laws that govern the physical universe. Physics is the basic understanding of the world that surrounds us. As students refine and expand their understanding of physics, they will apply their knowledge in experiments that require them to ask questions and create hypotheses. While studying the concepts of physics, students will view it through the lens of space exploration, roller coasters, racing of cars, the climate, and human metabolism.
Physics	**Need for Speed**	Learn about how objects move. How race cars and your car is able to accelerate and go fast and speed off to the future. This opt will deal with all of the things that Newton figured out all of his laws and how going forward how it affects the development of new technologies.
	Rocket to the Moon	Learn how we ended up travelling to the moon and how this has led to the chance to go to Mars and beyond. How did we use Newton's laws including the Universal Law of Gravitation. What technology and exploration techniques have to go into studying the universe.
	Climate Change: A Physics Problem. Who Knew?	There are solutions to Climate Change and many of them involve the wiser use and production of Energy right here in your backyard. Explore the types of energy that will create a green California and how we can help change the negative effects of climate change.
	Space: The Final Frontier	Star Trek! Star Wars! And beyond! How do we find out about our universe? How do we develop rockets and other space exploration tools? How can we look at the stars, planets, and moons and figure out how to get there? How can we explore those celestial objects?
	Body Physics: Motion to Metabolism	Using the laws of thermodynamics, discover how the body uses food to produce all the things you do in life. How you run, play tennis, do yoga, etc. Your body is an interaction of physics and physiology. Discover how our body moves and stays in motion.
	Roller Coaster Mania	Learn about how roller coasters have been created based on Physics! That's right, all of those amusement park rides are based on engineers using Physics to determine how high the hills can be, how fast you can spin around, or how fast you can go through free fall.