EXCEL FOR YOUTH is a unique academic enrichment program that offers students entering grades 4-9 (in the fall of 2019) accelerated classes in science, technology, engineering, math, visual art, drama, and writing. EXCEL celebrates its 37th year and has served over 25,000 students since 1982.

One-week, half day and all day classes take place on the campus of Sonoma State University and use the school's specialized arts, science, and technology labs, as well as providing guest speakers and field trips. Exceptional mentor teachers include university faculty, professionals from specialized fields, and teachers from area districts who design classes to capitalize on each student's interest, creativity, and curiosity.

FEES:
Classes range from $190-$215 for a morning or afternoon one-week class, and $390 for a one-week ALL day class.

DISCOUNTS:
We offer discounts for families with more than one child enrolled in our program this summer. The discount is 5% off each child's registration fees.

EXCEL TENT LOCATION:
In the northwest corner of the SSU campus. Park in marked EXCEL parking spaces in Parking Lot A. Walk and sign in student at the tent located across from Rachel Carson Hall, Rooms 68 and 69. (see map, page 31)

DROP OFF and PICK UP:
Due to safety concerns ALL EXCEL students must be signed in and out at the EXCEL tent daily by either a parent or designated adult (special release forms available on the EXCEL website). If staying for lunch bunch, students are required to check-in at the tent with the lunch supervisor.

PARKING:
Please park in a EXCEL marked space in Parking Lot A. Parents will receive a 15-minute drop off and pick up parking pass on the first day of classes, which can also be used for Open Houses on Fridays.

REFUNDS:
A $25 nonrefundable processing fee is deducted for each class dropped up until 2 weeks prior to class start. NO refunds are given if canceling within 2 weeks of the first day of class.
LUNCH BUNCH:
As a service for EXCEL students, there will be lunch supervision provided at no charge from 12:15-1:00pm for those enrolled in both morning and afternoon classes.

At lunch time, students are required to check-in with the lunch supervisor first thing everyday. Students must stay within the Lunch Bunch area. Please have students bring a sack lunch and a snack from home. Students will not be permitted to leave the supervised area and buy food elsewhere on campus. Parents may take students away for lunch by signing out their child with the Lunch Bunch supervisor. Please feel free to send a game for students to share or a book to read.

FORMS:
Applicable forms must be completed and returned to EXCEL staff prior to or on the first day of classes. You can find the following forms online at sonoma.education/Excelforms.

- Code of Conduct
- Medical History
- Student Drop Off and Pick Up
- Internet Access
- Field Trip – One for each applicable class
- Special Release – Use only if child bikes, buses, or walks home or to an SSU office.

ABSENCES:
Parents must call the office before class begins if a student is going to be absent. The phone number is 707-664-2645 (voicemail available).

FIELD TRIPS:
Certain classes take trips off campus to enhance learning. Parents are needed to drive to these locations. Parent volunteer drivers need to register with the School of Extended and International Education office in Stevenson 1012 prior to class start up, and need to show license and proof of insurance.

T-SHIRTS:
Each EXCEL student will receive one t-shirt per year.

OPEN HOUSES:
Most of our classes put on an open house the last half hour of the last class; drama class open houses are usually longer. Please check with each teacher for details; times vary.

NEW! REGISTRATION PROCESS
MAKE SURE TO CREATE A
HOUSEHOLD PROFILE
BEFORE REGISTERING
SESSION 1

MORNINGS 9:00AM-12:15PM
Crash and Burn Chemistry A.M. (4-6)
Crime Busters (4-6)
Drones, Planes, and Pilots (6-9)
Just Write! Creative Writing (4-6)
Kids Biz: Successful Business (4-9)
Word Art: Calligraphy A.M. (6-9)

AFTERNOONS 1:00-4:00PM
Crash and Burn Chemistry P.M. (4-6)
Extreme Planet (4-7)
Investing in Your Future (6-9)
Programming with Python (6-9)
Way with Words Workshop (6-9)
Word Art: Calligraphy P.M. (4-6)

June 10–14

SESSION 3

ALL DAY CLASS 9:00AM-4:00PM
Hogwarts @ SSU - Year One (4-6)

June 24–28

SESSION 5

MORNINGS 9:00AM-12:15PM
Fashion Design A.M. (4-6)
Game Design with Minecraft A.M. (5-7)
Marine Biology (6-9)
Stop Motion Animation (5-8)
The Art of Paper (6-9)
Worlds of Fantasy (4-6)

AFTERNOONS 1:00-4:00PM
Are You Game? (4-6)
CSI: Sonoma (6-9)
Digital Photography (5-8)
Fashion Design P.M. (6-9)
Food Art (4-6)
Game Design with Minecraft P.M. (5-7)

July 15–19

SESSION 6

ALL DAY CLASS 9:00AM-4:00PM
Hogwarts @ SSU - Year Two (5-8)

July 22–26
MORNINGS 9:00AM-12:15PM
Amazing Animals (5-7)
Annie: The Mini Musical (4-9)
Career Academy (6-9)
Circuit Studio (4-6)
How to Write a Graphic Novel (6-9)
Pre-Med for Kids (4-9)

AFTERNOONS 1:00-4:00PM
Acting Out! Improv (4-9)
Anime and Manga Workshop (6-9)
Google Expeditions: VR (4-6)
Myth Busting Science (4-6)
Stage and Film Makeup (6-9)
Story Animation with Pixar (5-8)
The Art of Arguing (6-9)

SESSION 4

MORNINGS 9:00AM-12:15PM
Astronomy: Out of this World (4-6)
Coding Games with Scratch (4-6)
Dream Tree House (5-7)
Graphic Design Boot Camp (6-9)
Hands-On Archaeology (6-9)
Time Travelers (4-6)

AFTERNOONS 1:00-4:00PM
Candy Chemistry (4-6)
Design Squad Challenge (4-6)
Ev3 Lego Robotics (6-9)
It’s Sew Electric (5-7)
Junior Diplomat: Model UN (6-9)
The Science of Science Fiction (5-8)

SESSION 7

MORNINGS 9:00AM-12:15PM
Summer Clay Studio (4-9)
Tasty Creations A.M. (5-8)
The Amazing Escape Room (6-8)
Wood Shop for Kids A.M. (4-6)
Youtube – Video Producers (6-9)

AFTERNOONS 1:00-4:00PM
Coding Games with Scratch (4-6)
Pottery Studio (4-9)
Tasty Creations P.M. (5-8)
Wood Shop for Kids P.M. (4-6)

SPECIAL ALL DAY CLASS - 9:00AM-4:00PM
Selfie Portrait (6-9)
CRASH AND BURN CHEMISTRY A.M. (Grades 4-6)
Did you know that everything on earth (and in the universe) is made up of chemicals? “Crash and Burn Chemistry” is an introduction to chemical reactions that form solids, change colors, smoke, bang, whiz, flash, and glow in the dark. Come and explore the nature and mystery of chemicals and how they affect us and our environment. Identify an unknown chemical spill. Build a smoking machine that actually shows what happens when a person smokes a cigarette. Carry out your own experiments to identify the nature of chemicals. Then take the experiments home to amuse and amaze your friends and family. Last, but not least, join us to uncover the secret of the “glow in the dark pickle.”

JENNIFER ZACKS, B.A., in Environmental Studies, has taught full time for the Cotati - Rohnert Park Unified School District for the past ten years.

CRIME BUSTERS (Grades 4-6)
A dastardly crime has been committed. Act as a real-life detective and distinguish truth from lie. A speck of dust, a strand of hair, trailing footprints, clues piling up, suspects are everywhere. Using a range of scientific techniques, unravel fact from fiction and determine who the true criminal is. Analyze handwriting, match fingerprints, test powders, examine fibers, and make molds of any footprints left behind. Increase your powers of observation and deduction by figuring out unsolvable thefts, arsons, mysteries and more. Think like an investigator and use the evidence to determine “Who done it?”

SHIRLEY JENNER, B.A., has taught for the Santa Rosa School District for over 20 years. She was a GATE teacher for many years as well as an Odyssey of the Mind coach.

DRONES, PLANES, AND PILOTS (Grades 6-9)
Did you know you can fly a plane before you can drive a car? Learn what flying is all about – explore the milestones in aviation history, the science of how planes fly, and the different careers available in aviation. Use electronic aids to create flight plans, navigate, check weather conditions, observe real time flights, and calculate aircraft performance. Learn about how airplanes are built, and try out actual airplane rivet tools on aircraft aluminum. We’ll visit the Pacific Coast Air Museum (PCAM) and tour open cockpits of historic aircraft from the Korean War, Vietnam War, Desert Storm, and Top Gun, as well as an operating FAA Control Tower, and we’ll meet and hear from accomplished pilots. Back on campus you’ll learn drone safety, and then work in teams building and flying drones.”

ART HAYSSEN, is a 5-time NAFI Master Instructor, FAA FAASTeam Lead Representative in the North San Francisco Bay Area, ATP and active Flight Instructor since 1980. With over 8,000 hours of flight instruction given, Art’s instructor certificate includes airplane single and multi-engine land and sea, and instrument ratings. He has taught Aviation, Meteorology, and Geography at the Santa Rosa Junior College for the past 33 years.
JUST WRITE! CREATIVE WRITING FOR KIDS (Grades: 4-6)
Do you like to make up silly stories, create compelling characters, or play with poetry? Explore poetry, short stories, scripts, and many other types of writing through a variety of entertaining individual and group writing activities. Plot a story by creating believable characters, and then get them into (and out of) trouble. Write about the same incident from multiple points of view and rewrite a fairy tale by changing the setting. Create a script with a partner by solving a problem entirely in dialog. Write from the point of view of a shoe or a cell phone, and use sensory details to make a lie as believable as the truth. Let your imagination soar and your pen go wild! At the end of the class you’ll take home a class collection of writing to read and enjoy.

LISA SHULMAN is the author of several picture books and has written a middle school novel as well as dozens of children’s books for the educational market. Her poetry, fiction and nonfiction for adults have appeared in various journals. As a visiting author, Lisa has spoken to hundreds of students about writing. Lisa teaches at Apple Blossom School in Sebastopol.

JUNE 10-14 | 9:00am - 12:15pm | #1008 | $190

KIDS BIZ: HOW TO CREATE A SUCCESSFUL BUSINESS (Grades 4-9)
Bill Gates, Oprah Winfrey, and Mark Zuckerberg all started off as kids who were interested in being their own boss and seeing their creative ideas become a reality. Learn what you need to start a successful business. Work in collaborative teams to learn, step-by-step, how to create a business, using creative approaches to meeting customers’ needs. Meet successful entrepreneurs who started their own businesses, and have an exclusive visit to a premier business start up in the North Bay. Discover many of the secrets to developing a business that is successful and ethical, and that provides customers with a good product or service at a fair price. Utilize your critical thinking skills and creativity as you explore the exciting world of entrepreneurism! Parent drivers are needed for a field trip.

MICHAEL FANNING, M.A., Ed.D, an experienced teacher and professor who uses engaging project based learning to teach students all subjects, including science and business. He shows students how they can apply their academic knowledge and skills as they prepare for rewarding and interesting careers.

JUNE 10-14 | 9:00am - 12:15pm | #1009 | $190

WORD ART: LETTERING AND MODERN CALLIGRAPHY A.M. (Grades 6-9)
You see it everywhere – on invitations, wall art, chalkboards, even on the signs in your favorite stores. Calligraphy makes ordinary words distinctive and special! Explore the characteristics of creative lettering and the proper techniques for using modern calligraphy tools and supplies. Learn step-by-step directions for writing each decorative letter, and how to change elements of your writing to create new styles. Create unique wall art and stationary, and have fun discovering how to write in more creative, whimsical styles!

SANDRA NOVIA, is a professional artist and art instructor. She teaches in both the private and public sectors and has dedicated over two decades to ensuring that children have an enriched education in the arts. She is a co-founder of Studio Project, a year-round alternative arts program of unique and innovative art instruction.

JUNE 10-14 | 9:00am - 12:15pm | #1010 | $190
CRASH AND BURN CHEMISTRY P.M. (Grades 4-6)
Did you know that everything on earth (and in the universe) is made up of chemicals? “Crash and Burn Chemistry” is an introduction to chemical reactions that form solids, change colors, smoke, bang, whiz, flash, and glow in the dark. Come and explore the nature and mystery of chemicals and how they affect us and our environment. Identify an unknown chemical spill. Build a smoking machine that actually shows what happens when a person smokes a cigarette. Carry out your own experiments to identify the nature of chemicals. Then take the experiments home to amuse and amaze your friends and family. Last, but not least, join us to uncover the secret of the “glow in the dark pickle.”

JENNIFER ZACKS (see bio on page 6)  
JUNE 10-14 | 1-4pm | #1011 | $190

EXTREME PLANET! (Grades 4-7)
Living on Planet Earth means living with extreme forces of nature like volcanic eruption, earthquakes, and tornados. Explore natural disasters with a volcanologist! Build models and create small-scale natural disasters. Simulate a thunderstorm, replicate the forces of volcanoes exploding, make a mini-mudflow and reproduce a tsunami. Learn where different disasters occur on Earth and how to be prepared to survive them. Participate in hands-on science experiments, observe natural events via video clips, and investigate evidence of natural disasters to explore the science behind the disasters that make Earth an extreme planet.

NICOLE MYERS, M.S. in Geological Sciences, developed a passion for geology from a childhood fascination with volcanoes. She has taught geology, paleontology, meteorology, climatology, oceanography and astronomy classes for five years. She currently teaches at SSU and SRJC and brings her enthusiasm for understanding the Earth to the community through teacher education, after school educational science programs and earth science stories.  
JUNE 10-14 | 9:00am - 12:15pm | #1012 | $190

INVESTING IN YOUR FUTURE (Grades 6-9)
Want to learn how to make your money grow and to finance all your future dreams? Investing is one way to achieve your aspirations. Learn how to invest money, understand the difference between stocks and bonds, the value of compound interest, and discover ways to invest your money to help it grow. Create a portfolio, including a variety of investments in both national and international companies. Find out what makes a stock a blue-chip stock and the different stock exchanges. Experience day trading and get answers to questions like “Is this a ‘high risk’ investment?” and “What’s the difference between a stock and a mutual fund?” Come invest your time and put your dreams into action. This course includes local guest speakers from various financial institutions.

SHIRLEY JENNER (see bio on page 6)  
JUNE 10-14 | 1-4pm | #1013 | $190
PROGRAMMING WITH PYTHON® (Grades 6-9)
Code and create your own computer game with Python®. Learn how to make computer games using the popular Python programming language—even if you’ve never programmed before! Begin by learning basic programming concepts and use these skills to build classic games like Hangman or Tic-Tac-Toe, and then work your way up to more advanced games, like a text-based treasure hunting game or an animated collision-dodging game. Along the way, you’ll learn key programming and math concepts that will help you take your programming to the next level.

GEETA MENON, M.S., in Computer Science and B.S., in Mathematics and Computer Science has many years of programming and teaching experience in various schools, colleges and universities in the U.S. and her native country of Malaysia. She currently works as an information technology analyst/programmer at the School of Extended and International Education (SEIE) at SSU.

JUNE 10-14 | 1-4pm | #1014 | $190

WAY WITH WORDS: CREATIVE WRITING WORKSHOP (Grades 6-9)
Do you like to make up stories or create compelling characters? Explore poetry, short stories, scripts, and many other types of writing through a variety of entertaining individual and group writing activities. Plot a story by creating believable characters, and then get them into (and out of) trouble. Write about the same incident from multiple points of view, and rewrite a fairy tale by changing the setting. Create a script with a partner by solving a problem entirely in dialog. Let your imagination soar and your pen go wild! At the end of the class you’ll take home a collection of writing, as well as new ideas and techniques to keep you writing all year long.

LISA SHULMAN (see bio on page 6)
JUNE 10-14 | 1-4pm | #1015 | $190

WORD ART: LETTERING AND MODERN CALLIGRAPHY P.M. (Grades 4-6)
You see it everywhere – on invitations, wall art, chalkboards, even on the signs in your favorite stores. Calligraphy makes ordinary words distinctive and special! Explore the characteristics of creative lettering and the proper techniques for using modern calligraphy tools and supplies. Learn step-by-step directions for writing each decorative letter, and how to change elements of your writing to create new styles. Create unique wall art and stationary, and have fun discovering how to write in more creative, whimsical styles!

SANDRA NOVIA (see bio on page 7)
JUNE 10-14 | 1-4pm | #1016 | $190
AMAZING ANIMALS: ZOOLOGY FOR KIDS (Grades 5-7)
Adventure into the world of animals! Have you ever thought about how many animals live on the same planet as we do? What does a bumblebee really see when it flies around? Do you know how smart elephants really are? Jump into the world of animal behavior and zoo life by being a zookeeper for a day and going outside the classroom to explore and study the animals right in your own backyard. Animal guests will most certainly make an appearance, including a reptile visitor, as well as a Fennec Fox, an African Serval Cat, a four-toed Hedgehog, and many other fantastic creatures!

YASMEEN GHAVAMIAN, is a biology graduate student at Sonoma State University studying the behavior of sun bears at the Oakland Zoo. Prior to this, she worked at the San Francisco Zoo where she got hands-on experience with a variety of animals, such as ferrets, snakes, armadillos, and more! She is overjoyed to be able to connect students with wildlife and share her fascination about the amazing animals that live on our planet.

HOLLY MOLINARO, is a current biology graduate student and teaching associate at Sonoma State University studying the social network of baboons at the Oakland Zoo. She received her Bachelor’s in Biology studying rattlesnake behavior, while also working at many zoological institutions, including Walt Disney World’s Animal Kingdom. She is super excited to share her passions to students who are curious about the adventures of all animals!

JUNE 17-21  |  9:00am - 12:15pm  |  #1017  |  $190

ANNIE: THE MINI-MUSICAL (Grades 4-9)
Leapin’ Lizards! Annie the Musical is a worldwide phenomenon. With equal measures of pluck and positivity, little orphan Annie charms everyone’s hearts despite a next-to-nothing start in 1930s New York City. Determined to find her parents who abandoned her years ago on the doorstep of an orphanage run by the cruel Miss Hannigan, Annie escapes to the wondrous world of NYC. Adventure ensues, leading Annie to a new home and family in billionaire Oliver Warbucks, his personal secretary Grace Farrell and a lovable mutt named Sandy. With plenty of parts to go around, including featured roles and ensemble parts for orphans, servants, and tourists, join this cast as we sing such favorites, as “It’s the Hard Knock Life “and “Tomorrow.”

RAYMOND SKIPP, is a graduate of the Royal Academy of Dramatic Art in London, England. He currently teaches drama in many local schools. Besides performing in both film and television, he has an extensive Shakespearean background.

JUNE 17-21  |  9:00am - 12:15pm  |  #1018  |  $190

REGISTER @ WWW.SONOMA.EDU/EXED/EXCEL
**CAREER ACADEMY (Grades 6-9)**

“What do you want to be when you grow up?” No idea? No worries. This fun, interactive class will help you discover your interests and the skills you already possess. You’ll create a vision board and work towards identifying and clarifying your goals to be successful in both school and future careers, and complete a variety of tests and activities to help you know yourself better and what careers you may want to pursue. Guest speakers will give advice on interviewing, the use of social media, and internships. Find your passion and make it your career!

**ANNE RYAN**, is a high school teacher in San Francisco. She attended Dominican University of California and the University of San Francisco. Before she was a teacher, she worked for nonprofit community organizations doing communications and development. She enjoys traveling, cooking, learning new languages (human and computer), and talking like a pirate. One day soon, she hopes to buy a rescue puppy.

**JUNE 17-21 | 9:00am - 12:15pm | #1019 | $190**

**CIRCUIT STUDIO (Grades 4-6)**

Play! Create! Invent! Interested in electronics and how they work? Spend a week discovering the many ways to experiment and engineer with electronic building blocks! Each color-coded littleBits® piece has a specific function (i.e. motion, lights, sound, sensors, internet connectivity), and all the Bits snap together with magnets to make larger circuits. Come build amazing things like a drawing bot, a chain reaction contraption, or an electronic throwing arm. Building circuits has never been so fun!

**DEBORAH LIVINGSTON**, earned her M.A. in Education from SSU with an emphasis in science notebooks. She has been an elementary school teacher for over 20 years. She has a great love for all things science and has a passion for hands-on activities that capture interest and promote learning.

**JUNE 17-21 | 9:00am - 12:15pm | #1020 | $190**

**HOW TO WRITE A GRAPHIC NOVEL (Grades 6-9)**

Do you like reading graphic novels? Have you ever thought about writing your own? The modern graphic novel has come a long way since your grandfather’s comic books! *How to Write a Graphic Novel* is a workshop designed to get you started on your own graphic novel. First, we’ll examine Manga, comics, graphic novels, and picture books for examples of the many different ways to tell a story using illustration and words. Then, we’ll go step-by-step through the process of scripting, storyboarding, pacing, and layout. And finally, you’ll become the director, using cinematic and theatrical techniques to add emotion, drama and humor to your graphic masterpiece. No drawing experience necessary!

**MARIE ZORN**, B.A. in English, teaches 7th grade English at Harvest Middle School in Napa. Marie is the liaison for the Napa Valley Unified ALPS/Gifted and Talented program. She is inspired to support all students to reach their full potential.  

**JUNE 17-21 | 9:00am - 12:15pm | #1021 | $190**
PRE-MED FOR KIDS (Grades 4-9)
Would you like to be a doctor, nurse, dentist, veterinarian or physical therapist? If you have ever thought about a future career as a health professional, come discover what these careers are about and what it takes to prepare for them. In this exciting hands-on class, you’ll study human anatomy, how to handle an emergency and witness a dissection. Activities include a physician-led tour of a health clinic, a fascinating behind-the-scenes visit at a hospital (including areas that are usually off-limits), interesting guest speakers who are healthcare practitioners, and engaging activities. **Parent drivers are needed for a field trip to Sutter Hospital - Santa Rosa.**

**MICHAEL FANNING** (see bio on page 7)

JUNE 17-21 | 9:00am - 12:15pm | #1022 | $190

REGISTER @ WWW.SONOMA.EDU/EXED/EXCEL

MIKE MCGUIRE MEMORIAL SCHOLARSHIP FUND

In memory of our beloved Wood Shop, Simple Machines, and Go Kart Builders teacher and friend, Mike McGuire, we have set up an account through Sonoma State University to fund EXCEL scholarships in his name. Mike was a lifelong educator and made such a difference in childrens' lives. Many of them had never used a tool before and by the end of the week they had several projects to take home. We hope that by providing much needed funds to help other youth attend EXCEL, we will be perpetuating the values with which Mike framed his life.

Help us honor Mike's memory and his long connection and deep commitment to EXCEL @ SSU, by making a gift today — email or call Cathy at hatchere@sonoma.edu or 707-664-2645.
ACTING OUT! IMPROV STUDIO (Grades 4-9)
In this fast-paced class, the focus is on improv using theater games similar to what you may have seen on Whose Line Is It Anyway? Discover the basics of staging, listening, giving focus, character development, space work, exploring genres, literature, some stage combat, dance, solo and ensemble work. With an arsenal of imaginative games and exercises, think quickly on your feet, build trust with your teammates and unleash your natural creativity and humor. Learn the dos and don’ts of improv, setting up a scene for your co-players, and using your “bag of tricks” while having loads of fun. We end the week with a comedy show for friends and family.
RAYMOND SKIPP (see bio on page 10)
JUNE 17-21 | 1:00-4:00pm | #1023 | $190

ANIME AND MANGA WORKSHOP (Grades: 6-9)
Love to draw? Love anime or manga? Then this is the class for you! Manga – Japanese comic book art – and Anime – Japanese animated television or movies – come in many different styles and genres. Create a Manga or Anime character based on your own ideas or on a pre-existing character while expanding on your drawing skills. Start with a pencil sketch and ink the outlines in before coloring with colored pencils, chalk pastels and markers.
BARBARA GOLDEN, born in Switzerland, has taught comics and cartooning for the past 15 years, in Germany as well as California. When her children were young, she created and published a cartoon series which reflected her life as a full-time mother and housewife. Barbara and her husband recently moved from the South Bay to Rohnert Park to be closer to their young grandchildren.
JUNE 17-21 | 1:00-4:00pm | #1029 | $190

GOOGLE® EXPEDITIONS: BECOME A VIRTUAL REALITY TOUR GUIDE (Grades: 4-6)
Begin your virtual reality journey by participating in the Carmen Sandiego’s Skyscraper Caper, then take a tour of the amazing new seven wonders of the world, including the Great Wall of China. Now that you’ve experienced an expedition, it’s time to select, research, and plan your own tour! Using the Google® Expeditions app and Cardboard viewer, select an expedition based on your interest in history, science, the arts, or the natural world – there are hundreds to choose from! Whether you’re roaming with dinosaurs or climbing Mount Everest, there’s something amazing to discover, explore, and share. You’re in charge – where will you take us? Each student will receive their own Google Cardboard Viewer to take home with them at the end of the week.
ANNE RYAN (see bio on page 11)
JUNE 17-21 | 1:00-4:00pm | #1024 | $190

13
MYTH BUSTING SCIENCE (Grades 4-6)
Can an egg be sucked into a bottle? Can a sneeze really travel up to 30 feet? Is toilet paper actually strong enough to support your body weight? Just like on the Discovery Channel show MythBusters, use the power of the scientific method and innovation to test, bust, and/or confirm common science myths. Can you cut a hole in a piece of paper big enough to walk through, myth or fact? What makes a paperclip sink or swim? We’ll even test the power of locomotion by racing toy cars across a miniature race-track with water guns! By the end of this class, you’ll be an expert at busting or confirming science myths all around you.

DEBORAH LIVINGSTON (see bio on page 11)
JUNE 17-21 | 1:00-4:00pm | #1025 | $190

STAGE AND MOVIE MAKEUP (Grades 6-9)
From monsters to maidens and everything in-between, makeup is the face of every production. Learn the essentials, from basic tips for stage makeup to how to create scars, wounds, bruises, and a variety of other effects for the big screen. Discover how to use makeup to make an actor look like a completely different entity altogether, whether that means animals like cats and dogs, elderly people by using aging techniques, or aliens from another galaxy! Let your imagination take you for a ride as you learn the art of using stage and movie makeup to transform yourself and others. At the end of the week, each participant will take home their own professional theatrical makeup kit.

ROSEANNE JOHNSON is a successful and experienced makeup artist, costumer, and hairstylist. From a young age, her love for theatre and her passion for artistic creation inspired her to become a part of this creative community. Roseanne’s projects include productions with SSU, SRJC, and the 6th Street Playhouse, working on shows ranging from Beauty and the Beast to A Christmas Carol to Rocky Horror. She is excited to share her love of make-up design with our EXCEL students!

JUNE 17-21 | 1:00-4:00pm | #1026 | $215

REGISTER @ WWW.SONOMA.EDU/EXED/EXCEL
STORY ANIMATION: PIXAR IN A BOX® (GRADES 5-8)
Explore the storytelling process used at Pixar and create your own Storyreel to share with the Pixar community electronically! Working online, you’ll learn from Pixar directors, story artists, and others all the aspects of storytelling that Pixar uses to create their films. Discover what makes a story great by formulating memorable characters, designing a story structure, including dynamic dialogue, and enhancing your scenes frame-by-frame. Use storyboards to pitch your story to your fellow classmates, apply their feedback to your story, add music and sound effects, and present your final Storyreel at Friday’s showcase!

KRISTIN THORNTON has taught for over 20 years in Santa Rosa and is currently a 6th grade teacher with Rincon Valley Union School District. She, along with a colleague, have developed and implemented a digital storytelling program for all 6th graders at her school.

THE ART OF ARGUING (Grades: 6-9)
“Why is homework necessary?” “Why do we have assigned seats?” “Why can’t we talk?” “Why can’t we tattoo our bodies using board markers?” “Why?” “Why?” “Why?” “Why?” People are naturally inquisitive and sometimes quite spirited “know-it-alls.” Use your natural talent of arguing and challenging authority to voice your opinions freely and dynamically. Debating enables you to express yourself, think strategically and persuade others. Great debaters select a topic and take a stand, research and gather facts, pick a moderator, ensure both sides take part, design opening and closing statements and reflect on what happened. Working cooperatively, brainstorm ideas and increase your understanding of other’s views. Strengthen your self-confidence and prepare yourself for leadership in the real world.

BECKY YOUNG has worked in the educational field for over 10 years. She has a B.A. from SSU and a M.A. from Indiana University in Student Affairs and Higher Education. At SSU, she has taught courses for incoming freshmen. Rebecca feels that learning should be fun and full of active engagement. She emphasizes that each student is unique and encourages them to bring their voice, and creativity to all situations.
HOGWARTS @ SSU – YEAR ONE (Grades: 4-6)

Hogwarts has a satellite campus at Sonoma State University this summer, it seems. Have you ever dreamed that you received a letter welcoming you to Hogwarts? All Harry Potter fans are invited to participate in a wonderful week of wizarding! Once arriving at Hogwarts (Sonoma State University) you will be sorted into houses and given your wizarding class schedule. You’ll attend your Hogwarts classes every day, culminating at the end of the week with a Philosopher’s Stone Treasure Hunt, Quidditch matches, and student performances.

Create and customize your own wand in Charms class! In Potions, concoct essence of nightshade and troll slime! Discover your Patronus in Transfiguration, and learn how to duel in Defense Against the Dark Arts! In Care of Magical Creatures, study dragons and other amazing creatures. In Astronomy, assemble glow in the dark constellations, read your tea leaves in Divination, and transplant mandrakes in Herbology. Don’t be late to your introduction to flying class (on broomsticks) which is compulsory.

Also, bring to life the memorable and incredible characters of J.K. Rowling’s Harry Potter books by selecting a scene from your favorite book, creating a script of that scene and having the opportunity to perform that scene with fellow housemates. You and your schoolmates will have many chances to earn points for your houses. Who will win the House Cup?

Please note: This class will cover books one-four in the series. Clips from the first four films, as well as from documentaries and age-appropriate fan videos will be interspersed when applicable into the curriculum.

ELIZABETH HENDRICKSON grew up in a family of scientists and strong readers, and developed a passionate curiosity about the world. Besides her love for science, she has a strong background in drama, building, and the creative arts. She has been an elementary school teacher for over 10 years, and is currently teaching 5th grade in Santa Rosa.

DEBORAH LIVINGSTON earned her M.A. in Education from SSU with an emphasis in science notebooks. She has been an elementary school teacher for over 20 years. She has a great love for all things science and has a passion for hands-on activities that capture interest and promote learning.

RAYMOND SKIPP is a graduate of the Royal Academy of Dramatic Art in London, England. He currently teaches drama in many local schools. Besides performing in both film and television, he has an extensive Shakespearean background.

KRISTINE WARREN, B.A., has been a lover of books and the worlds they unfold since childhood. She helps students develop a love of learning with enthusiasm and excitement, whether it be discovering an exciting book, understanding a scientific idea, or delving deeper into new technologies. She has been an elementary school teacher for 9 years and currently teaches 5th grade in Santa Rosa.
ASTRONOMY: OUT OF THIS WORLD! (Grades 4-6)
Blast into outer space as we explore the cosmos. Are you baffled by the Big Bang? Curious about what it’s like to walk on the moon? Wondering if someday you might meet an alien? Dreaming of becoming an astronaut? This fun, interactive class is bursting with all the fascinating information you ever wanted to know about space. The week would not be complete without a discussion about black holes, and of course – are we alone? Is there of life on other planets?
MELISSA KIBLER is a middle school science and math teacher for the Rincon Valley Unified School District in Santa Rosa. She is also the coach for the Science Challenge team and leads a STEM club. Prior to becoming a middle school teacher 6 years ago, Melissa ran children’s summer camps for 5 years.

JULY 8-12  |  9:00am-12:15pm  |  #1031  |  $190

CODING GAMES WITH SCRATCH A.M. (Grades 4-6)
This multimedia adventure is the perfect course for aspiring coders. Create animated stories and games while learning programming concepts with Scratch. With this drag-and-drop platform developed by MIT, learn the essential building blocks behind object-oriented programming through creating fun, interactive stories, animations, and games. Include Makey Makey (an electronic invention kit) to your project to take it to the next level. Let your imagination run wild and think creatively, and learn to share your creations on the web. Take home a copy of your own game at the end of this class. It could be the start of something BIG!
KRISTINE WARREN (see bio on page 16)

JULY 8-12  |  9:00am-12:15pm  |  #1032  |  $190

DREAM TREE HOUSE DESIGN (Grades 5-7)
Make your dreams a reality by exploring the architectural design process and designing your own dream tree house! Learn about the fundamentals of hand drawing, measurements, and the basics of design and space planning, and then use these skills to create plans and a model of your design. From your final design, you’ll create drafting blue prints of your floor plan and specific design elements (doors, windows, etc.). You’ll use colored pencils to make architectural renderings, and then show your house in 3D with isometric sketches and a foam core model perched in a tree (branch). You can even take it to the next level with interior furniture and built in designs, and use color swatches to decide on the exterior and interior colors. Your vision will be all ready to share with friends and family!
KATHRYN HENDERSON has been teaching youth art camps and classes in Sonoma County for the past 20 years. Drawing on her degree in design and fine art, she offers students a broad spectrum of the arts.

JULY 8-12  |  9:00am-12:15pm  |  #1033  |  $190
GRAPHIC DESIGN BOOT CAMP (Grades 6-9)
Welcome to the Adobe Creative Suite®, the premier software used worldwide by photographers, artists, and graphic designers. Explore the many and varied features of Adobe Photoshop® and Adobe Illustrator®. In Photoshop, discover how to make selections, fix and manipulate images and blend multiple images together using layers — then apply effects to your photos and text. In Illustrator, create and manipulate vector shapes, and combine simple shapes into more complex ones. Projects include designing and drawing your own character or logo. Take your creativity to the next level with cutting-edge technology.

HELEN BRADLEY is an artist and trainer who divides her time between the real and digital worlds, picking the best from both. Helen teaches Adobe Illustrator, Adobe Photoshop, Adobe Lightroom and digital photography both in person and online to students worldwide. She has written four books on photo crafts and she produces online training videos for graphic designers and photographers at Skillshare.com and for a number of blogs and other online sites.

HANDS-ON ARCHAEOLOGY (Grades 6-9)
Our ancestors did not always write down their history, so archaeologists search for clues to learn more about how people once lived. Experience the excitement of discovery like a real archaeologist. Join a professional archaeologist to sift through the sands of time and get some hands-on experience with real archaeological tools and artifacts. Use shovels, trowels, screens, and brushes to explore the evidence of the past. Participants must wear appropriate clothing for working outside, bring plenty of water, and be prepared to get dirty! Long pants and hats are a must and no open-toed shoes such as sandals or flip flops will be allowed while at the archaeological site.

WHITNEY McCLELLAN, M.A., is currently completing her teaching credential and is a student science teacher in Novato. She was an archaeological specialist at the Anthropological Studies Center at SSU. Whitney frequently gives lectures about human osteology and zooarchaeology to graduate and undergraduate level classes at SSU.

TIME TRAVELERS (Grades: 4-6)
Join us as we journey back in time. Each day open a time capsule to see where our next adventure begins. Find out how large a T-Rex really was – up close. Travel to the Stone Age and learn how to survive during this dangerous period. In ancient Egypt, practice the art of mummification (with hot dogs) and decode hieroglyphics. Stop by Ancient Greece to participate in a hilarious version of the Olympic games. Join the Vikings as they raid Medieval Europe and find out how Thor almost lost his mighty hammer for good. Assist the genius, Leonardo da Vinci as you recreate several of his inventions. Solve a Medieval Mystery and create your own coat of arms. Learn to talk like a pirate and follow the clues to the missing “treasure” on the SSU campus.

ANNE RYAN (see bio on page 11)
CANDY CHEMISTRY (Grades: 4-6)
Explore the scientific mysteries hidden in candy. How sour is your favorite sour candy? Can sugar water bend light? What makes Pop Rocks pop? Can you make gum disappear by chewing it with another type of candy? All these questions and more will be answered as we use the scientific method to experiment, test your theories, and make amazing discoveries!
You’ll learn how to turn candy into crystals, sink marshmallows, float taffy, and more. So, let’s have some fun and play with our food while learning the science behind it!
DEBORAH LIVINGSTON (see bio on page 11)
JULY 8-12 | 1:00-4:00pm | #1037 | $190

DESIGN SQUAD CHALLENGE (Grades: 4-6)
If you have an inquisitive mind, unlimited imagination, and super senses, you were born to be a designer! Through fun-packed, high-energy, hands-on engineering, science, and technology activities you will design, brainstorm, and build a giant funky blow-up monster, a hovercraft made out of simple materials, and much more! Invent your own easy-to-build sturdy shelter, a robotic arm that can lift a cup off a table, and a confetti launcher – you’re only limited by your own imagination!
KRISTINE WARREN (see bio on page 16)
JULY 8-12 | 1:00-4:00pm | #1038 | $190

IT’S SEW ELECTRIC (Grades 5-7)
Design, build, program, and then wear your circuits! If you’re interested in interactive toys, light-up fashions, or interesting accessories, this class is for you! Play with cutting-edge technologies and learn programming, circuit design, and basic stitch sewing design in a whimsical fun way. Design and make a series of custom (yes, you are the designer!) projects that include a glow in the dark bookmark, sparkling bracelet, illuminating handbag, and luminescent stuffed animals. Watch your family and friends’ eyes light up, as you light up the LED on your creations.
KATHRYN HENDERSON (see bio on page 17)
JULY 8-12 | 1:00-4:00pm | #1039 | $190

REGISTER @ WWW.SONOMA.EDU/EXED/EXCEL
JUNIOR DIPLOMAT: MODEL UNITED NATIONS  
(Grades 6-9)
Young citizens of the world unite! As a delegate of one of the 193 countries in the United Nations, learn to research, negotiate, and debate your selected country’s interests and risks on current world problems. Be part of either the General Assembly, the Security Council, or the international Court of Justice. Participate in mini-simulations, like a zombie pandemic, and review real-world recent case studies. Gain insights about the real workings of and issues before the United Nations and see how you can make a difference!

ANNE RYAN (see bio on page 11)

JULY 8-12 | 1:00-4:00pm | #1040 | $190

EV3 LEGO ROBOTICS (Grades 6-9)

EV3 Space Challenge dares students to build and program robots that complete a series of missions all set on Mars! Using LEGO’s® most advanced and newest robotics technology – the powerful MINDSTORMS® EV3 system – teams of two, create multiple awe-inspiring Lego robots to achieve real world objectives. Our inspirations: the Mars Rover and comet lander, Philae. Plan, test, and modify robots to achieve timed mission challenges. Using ultrasonic, color, and touch sensors, the robot interacts with it’s environment to collect specimens, navigate around large obstacles, create go-anywhere suspension to climb tough rocky terrain, and speed through the hard sand flats. Which team will be first? Which team will have the most accuracy?

JUSTIN KORNFIEN has a B.A. from UC Berkeley and is a credentialed teacher of twenty plus years with elementary through high school age students. He currently teaches 7th and 8th graders at Rincon Valley Charter School in Santa Rosa and supervises their Robotics team. In addition to robotics and engineering, Justin enjoys teaching digital photography, animation, and video production.

JULY 8-12 | 1:00-4:00pm | #1041 | $215

THE SCIENCE OF SCIENCE FICTION (Grades 5-8)
The stories of sci-fi may be fiction, but in many cases, the science is real. Alien life forms, artificial intelligence, time travel...is there any truth in these exciting ideas? Explore the science behind classic and modern science fiction stories and movies like Star Wars, Star Trek, and Jurassic Park, whose plots, settings, and technology could exist only in the far distant future. But as science advances and new discoveries are made, fantastical sci-fi technologies might be closer to reality than one may think. Journey to Mars, unravel the mysteries of black holes and worm holes, and visit the future with cutting-edge robotics and innovative technology. Journey to the place where science and fiction converge.

MELISSA KIBLER (see bio on page 17)

JULY 8-12 | 1:00-4:00pm | #1042 | $190
FASHION DESIGN A.M. (Grades 4-6)
Lights, music, runway, action! That’s how we finish our week of creativity and fashion. Dive into the history of fashion from the 1920’s to the present. Study designs classic to each decade and develop a strong foundation in a broad array of design options. Learn to sketch an outfit and then manifest your design in a final fashion show. Select fabric, cut, pin and sew (hand and machine) your very own creations. Collaborate with other students to create unique one-of-a-kind designs with fun accessories. Students contribute in many ways to the final “Show” as models, dressers, text writers, researchers, announcers, and coordinators.
KATHRYN HENDERSON (see bio on page 17)  JULY 15-19  | 9:00am-12:15pm  |  #1043  |  $190

GAME DESIGN WITH MINECRAFT® A.M. (Grades 5-7)
Are you crazy about building worlds in Minecraft? Can’t wait to find that jackpot of diamond ore? What if you could build your own tools, food, and even mobs and put them directly into the game? Unicorn ice cream ore, a sword made of neon lizards, or even a zombie that looks like your teacher are all things you can design and code in Game Design with Minecraft. Using Java programming – “the most widely-used programming language in the world” – learn how to mod like the pros!
ANNE RYAN (see bio on page 11)  JULY 15-19  | 9:00am-12:15pm  |  #1044  |  $190

MARINE BIOLOGY (Grades 6-9)
Take an adventure into the deep blue sea! Discover the depths of the ocean right on the SSU campus by using virtual reality headsets, and see the ocean through the eyes of experienced scuba divers! Examine the internal and external anatomy of sea creatures including squid, sea cucumbers, sea stars, sea anemones, and much more. Use a microscope to observe some of the tiniest creatures in the ocean. Study the challenges of living in the marine environment, and learn the creative and often odd ways sea creatures feed, grow, and reproduce. You’ll even build a model ROV (remotely operated vehicle) and test it in the SSU pool to understand how scientists explore the ocean. Parent drivers are needed for a fieldtrip to Bodega Bay Marine Laboratory.
EMILY SPEROH, B.S., is a current biology graduate student and teaching associate at SSU studying the reproductive endocrinology of northern elephant seals. She received her Bachelor’s in Biology studying behavior ecology of marine mammals, while also working at many marine biology laboratories, including Cordell Bank National Marine Sanctuary and UC Davis Marine Laboratory. She is eager to share her passions to students who are interested in marine organisms and the environment they live in.
CAROLINE RZUCIDLO, B.S., is a biology graduate student at SSU working in a marine mammal laboratory. She graduated from Fairfield University where she received several honors and awards. She has been a teaching associate for several years and looks forward to sharing her experience in the field of marine biology.
JULY 15-19  | 9:00am-12:15pm  |  #1045  |  $190
STOP MOTION ANIMATION (Grades 5-8)
Camera + Computer + Creativity = Stop Motion Animation. Learn the FUNdamentals of creating stop motion animation by working in small groups to write a script, create a storyboard, build your characters, and design your scenes. Animate and photograph your action using a still camera and then use computer software to assemble the images into a stop motion animation sequence. Add sound effects, music, transitions, and a credit roll to complete your short film. Your choices include animating drawings, paper cutouts, clay characters, toys and more. Combining creativity and technology, this is your unique opportunity to become a film maker. On Friday, your animation will premiere at our class Stop Animation Film Festival.
HELEN BRADLEY (see bio on page 18)
JULY 15-19 | 9:00am-12:15pm | #1046 | $190

THE ART OF PAPER (Grades 6-9)
Paper is one of the most versatile and commonly available materials. Create fabulous art for your room or gifts for your family and friends with paper—from 3D vibrant mandalas to intricate origami, think outside the box as you transform your favorite paper into precious treasures! Make a paperback hedgehog and one-of-a-kind mobiles—there are a myriad of ways to work with paper, so come cut, fold, roll, glue, and print your way to one of a kind paper creations!
SANDRA NOVIA (see bio on page 7)
JULY 15-19 | 9:00am-12:15pm | #1047 | $190

WORLDS OF FANTASY (Grades 4-6)
Whether falling down a rabbit hole, being swept off by a tornado, or carefully stepping into an old wardrobe, entering a new world can be an exhilarating experience. Join us as we journey to worlds of fantasy from Middle Earth to Narnia. In the land of Oz see the world through emerald colored glasses. Follow Alice into Wonderland where nonsense rules as you play a game of miniature croquet. Visit Wonka’s Chocolate Factory and create your own candy invention. Design and make a hobbit or fairy door to remind you of your journey to the Shire and/or Peter Pan’s Neverland. And of course, no worlds of fantasy class would be complete without a trip to Hogwarts to construct a wand and concoct a potion or two!
KRISTINE WARREN (see bio on page 16)
JULY 15-19 | 9:00am-12:15pm | #1048 | $190

SESSION 5
July 15-19
9:00am-12:15pm
ARE YOU GAME? (Grades 4-6)
From Monopoly to Exploding Kittens, board and card games are making a comeback. Do you have a great idea for a new game, or would you love to redesign an old favorite? Join us as we look at a variety of games for inspiration, then begin the process of designing or redesigning a game your way! You’ll start by sketching out your ideas and then choosing the style of your game and figuring out the rules. Test a prototype of your game with the group, and then share your game with family and friends at our Friday Open House!

KRYSTINE WARREN (see bio on page 16)
JULY 15-19  |  1:00-4:00pm  |  #1049  |  $190

CSI: SONOMA (Grades 6-9)
When bones turn up, who are you going to call? CSI SONOMA! Learn about the human skeleton and how to implement forensic methods to help identify missing persons from skeletonized remains. Working in teams, gather evidence and take it back to the lab to create a crime scene profile and help make a positive I.D. of the deceased individual. We will only use plastic cast bones and no graphic photos of crime scenes will be shown. However, we will discuss potentially disturbing issues such as homicide and the human decomposition process.

WHITNEY McCLELLAN (see bio on page 18)
JULY 15-19  |  1:00-4:00pm  |  #1050  |  $190

DIGITAL PHOTOGRAPHY (Grades 5-8)
Learn to see the world around you, not just look at it. Create better photographs rather than just taking pictures. Photographic composition is deciding what fits in to the frame. We’ll spend each day creating photos around the SSU campus, where you’ll learn to better use your camera to capture what you want with a few basic camera controls and settings to get it right in the camera. We will explore the landscape and cityscapes, botanicals, animals, “street photography,” portraits (including selfies), and more. Then you’ll catalog your photographs and use simple post-production techniques to make them uniquely yours! At the end of the week, you will have basic mastery of your camera and a slide show of photographs to share with friends and family! You’ll be creating photographs on the very first day, so be sure to bring a digital camera (charged!), extra battery and/or charger, memory card(s), a USB cable for connecting to the computer, your User Manual (either hard copy or pdf), and a flash drive or two (min. 32GB).

MURRAY ROCKOWITZ, a noted Bay Area photographer and teacher has served private and commercial clients for over 25 years and has exhibited his photography extensively in museums and galleries. Murray has taught at Napa Valley College and the Petaluma Arts Center. He is well known among collectors of fine art portrait photography for his insightful and beautifully crafted B&W portraits.

JULY 15-19  |  1:00-4:00pm  |  #1051  |  $190
FASHION DESIGN P.M. (Grades 6-9)
Lights, music, runway, action! That’s how we finish our week of creativity and fashion. Dive into the history of fashion from the 1920’s to the present. Study designs classic to each decade and develop a strong foundation in a broad array of design options. Learn to sketch an outfit and then manifest your design in a final fashion show. Select fabric, cut, pin and sew (hand and machine) your very own creations. Collaborate with other students to create unique, one-of-a-kind designs with fun accessories. Students contribute in many ways to the final “Show” as models, dressers, text writers, researchers, announcers, and coordinators.

KATHRYN HENDERSON (see bio on page 17)
JULY 15-19 | 1:00-4:00pm | #1052 | $190

FOOD ART (Grades 4-6)
Food can be beautiful! First, you’ll turn food into faces, creating 2-D collages using cut out food images to make your own unique and imaginative portrait heads inspired by the 16th century Italian painter, Giuseppe Arcimboldo. Next, explore the world of food, art, and photography, inspired by contemporary artist/photographer Carl Warner, by designing 3-D food landscapes out of real fruits, vegetables, grains, and more. Start out by creating and photographing a simple broccoli or celery forest to craft the illusion of depth and height. Then take it a step further, and fashion your own food landscape with an underwater, tropical, or cloud background. What will you design with food?

SANDRA NOVIA (see bio on page 7)
JULY 15-19 | 1:00-4:00pm | #1053 | $190

GAME DESIGN WITH MINECRAFT® P.M. (Grades 5-7)
Are you crazy about building worlds in Minecraft? Can’t wait to find that jackpot of diamond ore? What if you could build you own tools, food, and even mobs and put them directly into the game? Unicorn ice cream ore, a sword made of neon lizards, or even a zombie that looks like your teacher are all things you can design and code in Game Design with Minecraft. Using Java programming – “the most widely-used programming language in the world” – learn how to mod like the pros!

ANNE RYAN (see bio on page 11)
JULY 15-19 | 1:00-4:00pm | #1055 | $190
HOGWARTS @ SSU – YEAR TWO (Grades: 5-8)
All Harry Potter fans are invited to participate in a wonderful week of wizarding! Once arriving at Hogwarts (Sonoma State University) you will be sorted into houses and given your wizarding class schedule. You’ll attend your Hogwarts classes every day, culminating at the end of the week with a Tri-Wizard Tournament, Quidditch matches, and O.W.L. exams.

In Potions, formulate more advance concoctions like the Elixir of Life and make your own Bezoar stone. In Herbology, prepare your own Wizarding First Aid Kit that contains such items as Phoenix tears and Skele-Gro. In Charms class, explore the Department of Mysteries and create a bewitched object. Perfect your dueling skills in Defense Against the Dark Arts and select a mythical pet in Ancient Runes. In Care of Magical Creatures, delve into the amazing variety of mythical creatures from Fantastic Beasts and Where to Find Them. In Alchemy, prepare a magical scroll and turn copper into silver. In Flying class refine your broomstick moves as you prepare for your Quidditch matches on Friday.

You and your schoolmates will have many chances to earn points for your houses. Who will win the House Cup?

Please note: This class will cover books one-seven in the series. Clips from the films, as well as from documentaries and age-appropriate fan videos will be interspersed when applicable to the curriculum.

ELIZABETH HENDRICKSON grew up in a family of scientists and strong readers, and developed a passionate curiosity about the world. Besides her love for science, she has a strong background in drama, building, and the creative arts. She has been an elementary school teacher for over 10 years, and is currently teaching 5th grade in Santa Rosa.

KELLY LISTER, M.A., has been an elementary teacher and principal in Santa Rosa for 16 years. She has learned that kids who love reading, and who read a ton, are the most successful in school and beyond. Craft-er, amateur musician, and avid reader, Kelly loves to get lost in the creative worlds of children’s literature.

KRISTINE WARREN, B.A., has been a lover of books and the worlds they unfold since childhood. She helps students develop a love of learning with enthusiasm and excitement, whether it be discovering an exciting book, understanding a scientific idea, or delving deeper into new technologies. She has been an elementary school teacher for 9 years and currently teaches 5th grade in Santa Rosa.

BECKY YOUNG has worked in the educational field for over 10 years. She has a B.A. from SSU and a M.A. from Indiana University in Student Affairs and Higher Education. At SSU, she has taught courses for incoming freshmen. Rebecca feels that learning should be fun and full of active engagement. She emphasizes that each student is unique and encourages them to bring their voice, and creativity to all situations.
SESSION 7

SUMMER CLAY STUDIO (Grades: 4-9)
Come explore the world of clay and spend a miraculous week rolling, pinching, pounding, and wedging clay into all sorts of shapes and forms. Explore a variety of hand building techniques and invent fanciful sculptural and functional pieces. Embellish the surface of your masterpieces with texture and special decorative stamps and perfect the techniques of glazing and underglazing. Be a part of a Raku firing at the end of the session. Please bring an apron or old clothes and a towel or two for clean-up. Due to time restraints, some pieces will not be fired by the end of class. Please plan to pick up additional pieces the following week.

LAUREL BEGLEY is a professional ceramic artist and teacher who divides her time equally between teaching and making. She has taught children and adults at many clay studios and schools around Sonoma County, including the Sebastopol Center for the Arts. Laurel is currently the owner and curator of Side Street Gallery in Windsor.

JULY 29 – AUGUST 2 | 9:00am-12:15pm | #1056 | $215

TASTY CREATIONS A.M. (Grades: 5-8)
Calling all aspiring chefs! Using the ideas of Tasty videos, BuzzFeed’s video series on comfort food, you will create and make a variety of dishes – from soups to baked goods. Then you’ll select a recipe, write a script, and film a step-by-step video tutorial of your dish as you demonstrate how to make it from start to finish. You’ll edit your video using iMovie, and then screen it for friends and family on the last day of class. We can’t guarantee you YouTube fame, but we can promise that you will have fun with food!

CHRIS LISTER has been a classroom teacher for fifteen years. He teaches middle school math, as well as a movie making elective where students learn the ins and outs of iMovie and other movie-making techniques. In college he discovered a love for cooking. Now, he enjoys looking for new recipes on the internet and having his family try them out. Chris wants to share that same love for cooking and inspire a new generation of confident cooks.

JULY 29 – AUGUST 2 | 9:00am-12:15pm | #1057 | $215

THE A-MAZE-ING ESCAPE ROOM (Grades 6-8)
Break out of an EXCEL-designed maze/escape room, then use what you learn to create your own. Investigate an array of puzzle types and discover the intricate systems for puzzle flow. Experiment with padlocks, simple circuitry, magnets, black lights, invisible ink, codes and ciphers as you design the mechanisms and of your room. Work with a team of fellow designers to develop clues, interactive objects, and challenges that lead players to a logical solution. At Friday’s Open House after plenty of testing, invite your family and friends to puzzle their way out of your escape room creation. Parent drivers are needed for a field trip to a local escape room.

KRISTINE WARREN (see bio on page 25)

JULY 29 – AUGUST 2 | 9:00am-12:15pm | #1058 | $215
WOOD SHOP FOR KIDS A.M. (Grades: 4-6)
Wham, bang, hammer and saw. Here’s your chance to experience a real woodshop and discover skills that will last you a lifetime. Build great-looking projects out of wood that have real value. Use new wood, weathered wood, scrap wood, round and flat wood and transform it into a sturdy tool box, a charming bird house, and other things that will be used every day. Learn to safely operate a variety of hand tools including hammers, saws, screwdrivers, vices, planes, and drills, and observe a demonstration of the big power tools in the SSU Woodshop. Understand the creative process of construction as you design and plan your project, join the parts together, and then finish it. Walk away with some terrific projects and an “I can build it” attitude.

JUDITH GARLAND, is a retired Water Resources Engineer. She has always loved the smell of sawdust and wanted to work with wood. In order to fulfill that desire, she took all the woodworking classes offered at Laney College in Oakland. After relocating to Sonoma County, she began volunteering at the 180 Studios Community Makerspace. In addition to her volunteer duties, she teaches adult and children groups the basics of working with wood using power tools and hand tools. Judith is also a member of the Sonoma County Woodworkers Association.

JULY 29 - AUGUST 2 | 9:00am-12:15pm | #1059 | $215

YOUTUBE – VIDEO PRODUCERS (Grades 6-9)
Be the star of your own videos with a YouTube channel you create yourself! Explore a range of different video styles – how-to, vlog, comedy/skit, product review, and more. Plan a production schedule, write the script, set up your lighting, and shoot your short films, adding special effects as you edit. Create custom thumbnails and channel graphics. Learn how to post your finished pieces and build an audience, then shoot one final video in any style you choose. On Friday, share your finished videos with family and friends! This class will use several web-based services, including YouTube.

Under the Children’s Online Privacy Protection Rule (‘COPPA’), these web sites must provide parental notification and obtain parental consent before collecting personal information from children under the age of 13. You will be required to give this consent in order to register for this course.

YouTube is a Google™ company.

HELEN BRADLEY (see bio on page 18)

JULY 29 - AUGUST 2 | 9:00am-12:15pm | #1060 | $190
CODING GAMES WITH SCRATCH P.M. (Grades 4-6)
This multimedia adventure is the perfect course for aspiring coders. Create animated stories and games while learning programming concepts with Scratch. With this drag-and-drop platform developed by MIT, learn the essential building blocks behind object-oriented programming through creating fun, interactive stories, animations, and games. Include Makey Makey (an electronic invention kit) to your project to take it to the next level. Let your imagination run wild and think creatively, and learn to share your creations on the web. Take home a copy of your own game at the end of this class. It could be the start of something BIG!

KRISTINE WARREN (see bio on page 16)   JULY 29 - AUGUST 2  | 1:00-4:00pm  |  #1061  |  $190

POTTERY STUDIO (Grades 4-9)
Have you ever wanted to create your own usable plates, vases, bowls, cups and more? Focus on mastering the four hand-building techniques for making your own unique earthenware. Pinch, coil, extrude, and slab build beautiful and creative pieces that can be used daily. Explore ways to decorate your pieces with texture, carving, and colorful underglazes and glazes. Please bring a towel and your imagination. Due to time restraints, some pieces may not be fired by the end of class. Please plan to pick up additional pieces the following week.

LAUREL BEGLEY (see bio on page 26)  JULY 29 - AUGUST 2 | 1:00-4:00pm | #1062 | $215

TASTY CREATIONS P.M. (Grades: 5-8)
Calling all aspiring chefs! Using the ideas of Tasty videos, Buzz-Feed’s video series on comfort food, you will create and make a variety of dishes – from soups to baked goods. Then you’ll select a recipe, write a script, and film a step-by-step video tutorial of your dish as you demonstrate how to make it from start to finish. You’ll edit your video using iMovie, and then screen it for friends and family on the last day of class. We can’t guarantee you YouTube fame, but we can promise that you will have fun with food!

CHRIS LISTER (see bio on page 26)  JULY 29 - AUGUST 2 |1:00-4:00pm| #1063 | $215

WOOD SHOP FOR KIDS A.M. (Grades: 4-6)
Wham, bang, hammer and saw. Here’s your chance to experience a real woodshop and discover skills that will last you a lifetime. Build great-looking projects out of wood that have real value. Use new wood, weathered wood, scrap wood, round and flat wood and transform it into a sturdy tool box, a charming bird house, and other things that will be used every day. Learn to safely operate a variety of hand tools including hammers, saws, screwdrivers, vices, planes, and drills, and observe a demonstration of the big power tools in the SSU Woodshop. Understand the creative process of construction as you design and plan your project, join the parts together, and then finish it. Walk away with some terrific projects and an “I can build it” attitude.

JUDITH GARLAND (see bio on page 27)  JULY 29 - AUGUST 2 | 1:00-4:00pm | #1064 | $215
SPECIAL ALL DAY CLASS OFFERING

SELFIE PORTRAITS (Grades 6-9)

We live in the world of the selfie. Humans have always felt the need to create images of themselves and share them – the only thing that has changed over time is the ways that we do it. Using the “selfie” as the basis of a contemporary self-portrait, create a “selfie” portrait of a famous self portrait artist. By comparing the characteristics and purposes of today’s self-portrait to those of the past, like those of Frida Kahlo or Vincent Van Gogh, you’ll be able to create your own version of their iconic self-portrait work using oil pastels, watercolor pencils and other drawing techniques. Then take your own selfie to the next level by creating a mixed medium art piece – you can even add a sense of humor to your portrait work by adding a Snapchat filter. What image of you do you want to share with the world? Please note: to take this class you do not need to have a smartphone.

SANDRA NOVIA (see bio on page 7)

JULY 29 - AUGUST 2 | 9:00am-4:00pm | #1065 | $390

REGISTER @ WWW.SONOMA.EDU/EXED/EXCEL
Save the Date
Summer Preview
Saturday, April 6th | 9:30am-12:00pm
Sonoma State University

Excel for Youth
a unique SUMMER enrichment program for kids entering grades 4-9 (fall 2019)

For Details Go To: www.sonoma.edu/exed/excel
#EXCELSUMMER19
EXCEL @ SONOMA STATE UNIVERSITY
DIRECTIONS TO PARKING LOT A
SONOMA.EDUCATION/GOTOEXCEL
SUMMER PREVIEW
APRIL 6TH!
FREE AND OPEN TO THE PUBLIC
DETAILS ON PAGE 30