



# STAR Nova

2018 - 2019 CATALOG

**STAR Nova Is...**

Enrichment During Or After School

**GATE Events**

**School Workshops**

**Family Nights**

**FUN!**



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# **What Students & School Officials Have To Say About STAR Nova**

*"STAR Nova has been a great resource for our families here at our school. The kids love all the different classes and the instructors have always been amazing!"*

-Tasha, Enrichment Coordinator

*"Our students thoroughly enjoy the engaging and challenging STAR Nova lessons. As an administrator, I appreciate how the lessons and schedules are tailored to meet the needs of our students."*

-Amy, Principal

*"Hi I'm Levi and I like doing STAR Nova and all the awesome things you can do here. It's almost like there's no limit, it's really fun doing all the activities. Every time there's a new activity and they never do the same thing."*

- Levi, Student

*"I like STAR NOVA because everything that is interesting to me is in the class."*

- Abigail, Student

*"I like it because we get to create new things."*

- Savannah, Student

## **How STAR Nova Works**

The STAR Nova program offers a wide selection of educational, recreational and enrichment programs, with classes that take place on school campuses. STAR Nova works with school staff and parent organizations to provide the most relevant and exciting classes for students.

STAR Nova classes are aligned to the Common Core and State Standards and provide a balance of fun and real-world, hands-on learning. Using an innovative disguised learning method, STAR Nova teaches, enriches and provides excitement!

There are two ways to provide STAR Nova classes on your campus. Both options are also a great way to supplement your school's GATE program.

1. Turn-Key: STAR Nova will create fliers, enroll students, communicate with parents, and keep attendance. For this option, the school only provides a space and aides in promotion of class fliers, including placement on website and delivery of electronic and paper communications with families. Cost for this program is covered by enrolled families, including an annual registration fee per child.
2. School-sponsored: STAR Nova will contract with the school or parent organization to provide these classes. Typically, they are less expensive than turn-key, as there is no registration fee. Many schools raise funds through their parent organizations for school-sponsored programs. In addition to providing a space, the school promotes the class, communicates with parents, keeps attendance and provides a classroom. STAR Nova can provide promotional fliers for this option.

STAR Nova classes are available Monday-Friday, before, during or after school. In addition, STAR Nova can provide weekend events. The schedule is dependent on staff availability and we recommend booking classes as early as possible.

The ideal STAR Nova session is six weeks long, but we understand there are constraints in school calendars. Classes can be scheduled anywhere from four to ten weeks long.

# **Class Descriptions**

This catalog is meant to be a sampling of what STAR Nova can offer. New classes are added frequently, and STAR Nova can create classes based on student and school interest.

Unless otherwise noted, all school-aged students, including TK, are welcome in these classes. Our instructors are trained to differentiate for combined grade-level classes.

**See page 10 for classes specifically for grades 4 - 8!**

## **Science, Technology, And Engineering**

### **Environmental Exploration**

Do you strive to understand the complex systems of the natural world and the effects that human actions have on it? Do you want to know more about climate change, drought, and erosion? Are you interested in learning how YOU can make a difference for our planet? Then Environmental Exploration is the class for you! Sign up today to explore, experiment, and make change!

### **The Science of Star Wars - NEW!**

Welcome, Young Padawan! Are you interested in learning about how spaceships launch and learning how lightsabers were created in Star Wars? If so, you are invited to attend the Science of Star Wars! In this class, you will discover the science behind one of the greatest movie franchises of all time! Along with the above mentioned activities, you will be participating in a Sarlaac Pit rescue challenge and discovering how the special effects in the movies were developed. You will even learn more about The Force through a static electricity experiment! Come join now and may The Force be with you!

### **Shoot For The STARS!**

Have you ever looked up at the stars and wondered what is really out there? How big is the universe? Is there more than one? In Shoot For The STARS all those questions can be answered. Learn about the other planets, moons, asteroids and comets in our solar systems. In this class, we can travel to the depths of the universe and learn about deep space and discover modern space exploration. The famous astronaut, Neil Armstrong once said while stepping on the moon "This is one small step for man, one giant leap for mankind", and this is your chance to leap into Shoot For The STARS.

### **STAR Pre-Med - NEW!**

Do you dream of being a doctor? Do you like learning about the human body and how to keep it healthy? STAR Pre-Med will help you discover the basics of the body and how to care for it, explore the equipment real doctors use, and how to run biometric tests for your body! This is NOT your standard biology class! With these real life, hands-on labs, you will be starting your journey to your MD!

### **CSI - All New!**

Who did it? From the case of the missing teacher's lunch, to the case of the disappearing donuts, your logic and detective work will be challenged in this fascinating class. In CSI, you will be acquiring real forensic skills and deductive logic to figure out what happened at a staged crime scene. Between your sense of curiosity and the new detective skills you will learn, such as DNA analysis, fingerprinting, and forensic dentistry, you will be able to solve anything!. Don't worry! CSI:STAR is on the case!

## **STEAM Club**

Do you like to learn about various types of sciences and technologies in the world? Maybe you are a mathematics master? If so, STEAM Club is for you! In STEAM (Science, Technology, Engineering, Art and Mathematics) Club, you will be integrating all these concepts to find solutions to real-world problems. STEAM Club will prepare you to become a creative and innovative problem solver, researcher, engineer, and designer. The greatest minds in the world use STEAM to solve real world problems, so come and be a part of the innovation!

## **Beyond STEAM- More STEAM by Popular Demand! - NEW!**

Do you ever wonder what the future will be like? What type of technology will be invented? In Beyond STEAM, we are preparing for the future today. Through science, technology, engineering, art, and mathematics, we will be developing solutions to solve every day challenges. With hands-on projects, we will be building, creating and exploring to help us become innovators for the future. Don't wait for someone else to invent future technology- help create it now!

## **Electrical Engineering - NEW!**

Let's get a SPARK of genius started! Do you like solving puzzles and problems? Do you enjoy building and working with your hands? Then Electrical Engineering is the class for you! Come learn the basics of circuits, how electricity flows, and how electricity can be used to power our machines. This class is sure to ELECTRIFY your curiosity!

## **Inventors Club**

CALLING ALL INVENTORS!!! The Inventors Club experience immerses you in exciting, hands-on activities that will change your way of thinking! If you love science and technology and also love to create, this is the perfect class for you! Exercise your creative science brain to build a stand-alone shelter, create a working boat, and get water to dry places by creating a water pump. Bring your ideas to reality in Inventors Club!

## **Grossology - NEW!**

STAR Nova invites you to take a look into the beautiful, yet grotesque things that the Earth has to offer. From the awesomely awful to the surprisingly scuzzy, Grossology will take you on an adventure through hands-on scientific exploration. Come and discover the science behind some of your favorite delightfully disgusting and pleasantly putrid projects. CAUTION! - By attending Grossology you will experience a never-ending curiosity about the nasty, grody, and hideous discoveries of the Earth, and you may get a little messy in the process!

## **Food Science - All New!**

Do you love food? What about science? Well, lucky for you in Food Science, we will be exploring the amazing wonders of food through the studies of science! Not only will we get to enjoy our awesome edible experiments, but we will also identify how science plays a chemistry part in our foods production. Strap on your science goggles and your cooking aprons as we begin to view food a whole lot differently! Join us in a Food Science adventure!

## **Kaboom Chemistry**

KABOOM! Who doesn't like to learn about science through explosions?! In Kaboom Chemistry, you will explore different states of matter, with a very explosive end, and you will experiment with simple chemical reactions, using everyday items. If you would like to do science experiments that pop, foam and bubble, then this class is for you! Come join us to explode through science together!

## **Mythbusters**

Is that piece of gum you swallowed last year still in your stomach? Busted or confirmed? You be the judge! Mythbusters will encourage you to test bizarre theories that you may or may not find believable. Explore, experiment, and experience science in a whole new way! Come help us bust some of the most outrageous myths in the world.

## **Mythbusters B- More Mythbusters by Popular Demand!**

Become a Mythbuster and plunge forth into a course that answers the question... "Is that for real?" Investigate, experiment, and confirm or bust myths in this engaging scientific adventure! From the ordinary to the absurd, you will discover the truth behind the legends. So, grab your goggles and lab coats and let's bust some myths!

## **Playing with Physics**

If you want to discover how things are really moving through space and time, then Playing with Physics is the class for you! In this hands-on physics class, you will truly experience the world through sound waves and vibration, magnetic motors and roller coaster science. Think physics is boring? THINK AGAIN! Sign up today and join the fun!

## **Engineer It With ZOME**

ZOME is a unique, hands-on building system in that it allows builders to create an infinite number of shapes in all dimensions. Each project will present a new question and challenge. For instance, why are triangles the strongest shape? Or, why are bubbles always a circle? Can I make a bubble cube? What is a platonic solid? If you want to find out the answers to these questions and more, then get signed up for ZOME!

## **The Science of Video Games**

Do you really like to play video games? Well, join The Science of Video Games class and discover all the cool benefits behind video games, such as faster response times, better hand-eye coordination and improved problem solving skills! In addition, you will learn the science and history behind how video games are made and how your favorite video games can come to life. Enjoy hands on activities such as creating your own video game characters and world. You will be able to play video game classics and your favorite modern ones too! If you are a gamer at heart, then sign up for The Science of Video Games and get your game on!

## **Stop Motion Animation**

Do you like to create and tell stories? Do you like using new technology? In this class, you will create your own stories through the technology of Stop Motion Animation. You will get to brainstorm story ideas, create a backdrop, and use a state-of-the-art app to bring your stories to life through the wonder of Stop Motion Animation. At the end of this class, you will showcase your movies in a small Film Festival held in your classroom. Don't forget to sign up now!

# **Visual Arts**

## **Art Studio**

Get ready to explore your artistic and creative side in Art Studio! You will be introduced to various types of styles and mediums such as oil pastels, clay, water colors and more! Art Studio will bring brand new material filled with creativity, color and fun! Be sure to come prepared to discover the artist in you, while developing and enhancing your skills. This class will be full of inspiration, imagination and inventiveness!

## Sketch Doodle Draw

Do you love to draw, doodle or create life-like portraits? If so, then Sketch, Doodle, Draw is the class for you! You will explore various types of artistry such as symmetrical magazine illustrations, sprouting animals, zentangle, caricatures, 3-d shading, and thinking out of the box illustrations! You will be able to take home your very own sketch book at the end of class that displays all of your amazing art! This class has everything you will need to expand your knowledge as an amazing artist!

## Street Art

Trendy, cutting edge, awesome! Street Art is all of these things and more! Design a dripping cityscape, Keith Haring sculpture, stencil design, billboard design and street art that will awe your friends. Using spray paint, acrylic paints, cardboard, markers and more, you will learn stencil making, negative space design, installation and sculpture making. Sign up today to be ahead of the curve!

## Digital Illustration - NEW!

Unleash your inner skills! Come and join us to create fun digital illustrations in the Krita program. Krita is an art software program where you can draw cartoons, paint, animate, and edit photos. You will learn the basics of Krita and develop your skills to master extraordinary digital art pieces. Digital Illustration is a creative place to experience professional digital art and to sharpen your talent. At the end of the day, you will gain new knowledge and make magic where technology and art meet!

## Introduction to Painting

Paint, paint, and more paint! Join this class and get painting with watercolor, acrylic, poster paint and lots more! In Intro to Painting, you will use multiple mediums and different techniques that will help manipulate and create paintings like a professional artist. You will get hands on instruction and dive head first into creating amazing masterpieces of art.

## Crafty Kids - NEW!

Who's ready to get crafty? Do you enjoy making, decorating, and constructing your own usable and unique items by hand? If you love being creative and having fun, then come join our Crafty Kids class! Crafty Kids is an arts and crafts based class where you will show off your special touch of originality to your family and friends. You will be able to decorate flower pots, along with designing a custom picture frame for your favorite pictures. You will even construct a beautiful wind chime and an awesome animal feeder. Don't miss out on the fun and come join us for an exciting class of crafting! **Please note that some of our crafts will be messy, so please wear clothes that you don't mind getting dirty.**

## Abstract Art

What is abstract art? Abstract art can be defined as art that does not exist in the real world, and achieves its effect using different lines, colors, shapes, forms, and textures. In this unique and fun art class, you will be introduced to and create various works of abstract art based on famous artists such as Romeo Britto, Piet Mondrian, and Pablo Picasso. Our lessons will be based on their famous works and concepts such as cubism and surrealism. You will use mixed media techniques and various art materials, such as paint, oil pastel, and watercolors to bring your art to life! In Abstract Art, you have the opportunity to use your imagination as inspiration for your art! If you love art and being original and creative, come join us today! **Please note that most of our art will be messy, so please wear clothes that you don't mind getting dirty.**

## Carve it Up

Come join this exciting class and find out about the wonderful world of carving as an artform. During this class, you will discover wild ways to transform some everyday objects into masterpieces, such as candles, soap, clay, Styrofoam and much more. Immerse yourself into other exciting carving lessons throughout the weeks of this class learning how to use new tools and learn new techniques. Join this class and let's carve it up!

## **Art Through the Decades**

Have you ever sat back and wondered where did all the art in museums come from? Well, in this amazing class, we will travel through the decades of art styles and art masters, learning classical techniques and skills. We will start at the beginning with the prehistoric era and move into renaissance, cubism, abstract, and pop and modern art. Sign up and let's paint, draw and design works of art, just like the masters!

## **3D Art**

What is the third dimension of art? Well in this specialty art class, you will find out and go beyond what your imagination is capable of thinking! You will discover various history about famous artists, styles, mediums, all while creating 3D art out of paper, cardboard, wood, paper mache, clay, and more. In this exciting world of art, your creations will pop up and out. Sign up for this class and become a part of the art world that will blow your mind into the third dimension of art!

## **Assemblage Art - NEW!**

What is the art of Assemblage? Assemblage is a 3D artistic form created using elements that are found or constructed. In this exciting, new, and unusual class, you will manipulate various tools and materials to construct, create and design various assemblage sculptures from your imagination. You will learn to think outside the box and be introduced to new processes of creating, such as collage, tile mosaics, pasta creations, found object sculptures, and scrap paper sculptures. If you love to create unusual unique art, then this class is for you!

## **Mixed Media Masterpiece - NEW!**

What do you get when you mix paint, markers, collage, pastels and glue? A Mixed Media Masterpiece! Join this class and you will discover the joy of creating amazing art masterpiece with a mixture of art mediums. During this fun-filled, hands-on class, you will create a multitude of art projects such as skinny strip collages, 3D names, and wild portraits using the techniques of painting, sculpting, and stippling. Sign up for Mixed Media Masterpiece and let's mix it up!

## **Art of Today and Tomorrow - NEW!**

Join this amazing class and take a trip into the world of modern art! In the Art of Today and Tomorrow, you will discover new styles and techniques of art such as contemporary surrealism, etching, and reed sculpting. Along with new styles and techniques, you will be introduced to new and upcoming modern artists whose art will leave you in awe. If you love art and want to advance your knowledge, understanding and skills, then join this class and explore the modern artist in you.

## **Printmaking - NEW!**

Ever wonder how poster and T-shirt images are replicated many many times over? In this class, we will answer that question, which is ....Printmaking!. In this fun-filled art class, you will learn the ins and outs of various processes of artistic printmaking. You will create with various styles of prints such as Styrofoam engraving, relief prints, and gelli pad prints. Come along and duplicate your images many, many times with tons of different color changes and element changes each time. Sign up and let's print some art!

## **Artscape - NEW!**

Our planet is made up of beautiful landforms that are full of vibrant colors and texture! In Artscape, we will have the opportunity to 'travel' to different parts of the world to recreate inspiring sceneries. By the use of different art mediums, we will cultivate and develop art skills that could be used to create mountain ranges, deserts, forests and oceans. Let's discover what worlds of art we can create in Artscape!

## **Wonders of Watercolor - NEW!**

We've all done watercolor paint projects before--but have you ever wondered how it actually works? How can you use multiple effects on a painting to look completely different? In this class you will find out! You'll be able to learn different techniques on how to use watercolor in several ways, including using resistance tactics and different materials that aren't paintbrushes. We will study famous watercolor artists and even recreate some of their paintings! If you have always wanted to explore the wonderful world of watercolor, then this is the class for you!

# **Performing Arts**

## **STAR Theatre**

Come one, come all! Here is your chance to participate in a theatrical event! Sign up for STAR Theatre and you will learn the basics of acting and performance etiquette, stage blocking and character development. Every student will participate in a short play (we have speaking and non-speaking roles!), that you will perform for your family and friends on the final day of class.

## **Improv**

Have you ever been in a situation where you couldn't think of the right words to say? Maybe your teacher asked you a question you just could not answer?! It happens to all of us! Here in our improvisation class, you will learn how to "think on your feet," so you will never be caught off guard again! Each day we will play a different improvisation game focusing on various concepts including, but not limited to, scene work and character development. On the final day of class, we will have a short performance showcasing the skills we have learned.

## **Art Of Puppetry**

Most people think of hand puppets when they hear the word, "puppetry". Did you know there is so much more? The Art of Puppetry will show you different styles of puppets from the ever popular Muppets to the beautiful art of Japanese Bunraku. Projects will vary each week and will include creating different styles of puppets and/or theaters and puppet shows! Get your hands ready and sign up today!

## **Stage Makeup**

Have you ever wondered how make-up artists make actors look so different on stage or in movies? Or maybe you are looking for a way to take that Halloween costume to the next level this year. This is the class for YOU! In Stage Makeup, you will use professional grade makeup and tools to explore how to create different characters, ranging from animals to zombies. You will learn several techniques, including how to highlight and shadow, create fake wounds, and create special effects used on professional stages around the world. **\*Note- Students will be using make-up on their own faces. If there are any skin allergies, please let the instructor know in advance and arrangements will be made.\***

## **STAR's Sounds Of Music**

What makes a song a song? What's in a melody? For the answers to these questions and many more, sign up for STAR's Sounds of Music ! Discover and explore the various aspects of music with our fun, hands-on approach and we will be sure to have you singing, playing and loving music in no time! You will make music with your own handmade maracas, your voice, and more!! If you want to make loud music without getting in trouble, STAR's Sounds of Music is the class for you!

## **RockSTAR - This class is for grades 1<sup>st</sup> - 8<sup>th</sup>**

RockSTAR is a division of STAR Education and is California's largest non-profit music education program that brings music back into the schools while turning kids' rock 'n' roll dreams into reality! RockSTAR employs professional musicians who help students develop their skills on guitar, bass, drums, and keyboard. With celebrity support from rock icons such as Slash, Santana, Miranda Cosgrove, Travis Barker, Britney Spears, Taylor Dayne, Brian McKnight, DMC, Chris Slade of AC/DC, Gene Simmons, Sammy Hagar and more, this is the most established, effective and entertaining program for any young person who is ready to rock!

RockSTAR classes are 15 weeks long with bands of seven students or less who work together to perform one-two songs at local venue with all of the Sacramento-area RockSTAR bands. No previous experience required! RockSTAR provides all the instruments for this class.

*"From choosing a song and a band name to performing in the spotlight at the showcase, RockSTAR guides the kids through the evolution of a band in a matter of months. From the time they were 6 years old, my kids have worked alongside their bandmates to accomplish something truly great together and have learned all of the important dynamics of working in a group, including compromise, teamwork, empathy, and respect."*

- Suzanne, Parent



**ROCKSTAR**  
**MUSICEDUCATION.ORG**

A STAR Education Program

## **Unique Specialty**

### **Author Academy - NEW!**

Calling all bookworms! Reading books is a fantastic, fun thing to do, but have you ever thought about what it would be like to create your own book? This class will teach you all of the steps, from brainstorming characters and plot, to writing the complete story, and finally to illustrating your book! Each student will take home their completed book on the last day of class.

### **Spy School - NEW!**

Do you like solving puzzles and wearing disguises to try to fool your friends and family? Or maybe you are adventurous when it comes to trying strange food? These interests have you in the running to be a fantastic student here in Spy School. In Spy School, you will learn many new skills to help you become a secret agent, some of which include writing secret messages, impersonating someone else, navigating through different cultures, creating new spy gadgets, and much, much more!

### **Strategic Gaming**

Do you like playing games and solving puzzles? If so, then this class is just right for you! Strategic Gaming will introduce you to games that require different skills, such as planning ahead, balancing points, quick thinking, and more! Each day of class will focus on a different game such as, Qwirkle, Set, or Stratego, just to name a few. If you want to play games and (gasp!) learn at the same time, sign up for Strategic Gaming today!

### **Survival School**

The trail starts to look unfamiliar. It's getting dark and the weather is turning bad. Time to make a plan! But what to do first? Fire? Water? Shelter? In Survival School, explore your options through different survival scenarios and familiarize yourself with the Rules of Three. You will learn skills including how to build a shelter out of limited resources and experiment with different ways to purify water. Hunt and find edibles of all kinds, including bugs! Define the basics of first aid and what to do in a natural disaster. If you want to be prepared for most survival situations, sign up for survival school today!

## **\*Classes For Students In Grades 4 Through 8\***

All STAR Nova classes can be tailored for any grade level, but these classes are specifically designed for our upper elementary and middle school students.

### **Lego Robotics**

Build, create and program robots using LEGO Mindstorms in this hands-on class! Lego Robotics combines your love for Legos and computers all in one and challenges you to think critically as you design your robot. Impress your family and friends at the end of each session with a Showcase Battle of the Bots! *\*Use of school computers with STAR provided software; software installation required.*

### **Programming**

Computers and tablets are now part of our lives, more than ever. And you know you love games, apps, and websites! In Programming, you will learn the basics of what coding and programming are all about, using the program Scratch. From learning to make a calculator, to creating your very own game, you will gain a foundation in logic, problem solving and sequencing. Who knows, with a little bit of creativity, you may just create the next million dollar program! *\*Use of school computers with STAR provided software; software installation required.*

### **Graphic Design**

Movie posters, magazine ads, billboards- who designs all these amazing images? In this class, you do! Join and discover ways to design digitally and physically, while creating original layouts and images. We will start with the origins of design and travel to contemporary times and discover many various techniques on the computer as well as by hand along the way. *\*Use of school computers with STAR provided software; software installation required.*

### **"Shake"-spear It Up!**

"To be (in Shakespeare class) or not to be?" It is really NOT a question! Each class, you will explore a different Shakespeare play through reading, acting out scenes or performing other skills, such as stage combat. This class is where literature and theatre meet for a wild ride of fun, learning and creativity. Don't 'bite your thumb' at the chance to be a part of Shakespeare class! *\*Shakespeare tended to write about sensitive topics; STAR will approach these topics in a student-friendly manner.*

### **Playwriting**

Have you ever had an idea for a story that you thought would make a great movie or play? Then this is the class for you! In Playwriting, you will learn how to take that great idea out of your head and transform it into a wonderful play! This class will teach the basics of playwriting, including, but not limited to, basic script formatting, creative brainstorming, and team writing. Let's make that dream a reality!

## **In-Class Workshops And GATE Events**

Are you looking to host a GATE or school event? Look no further than STAR Nova.

STAR Nova also provides in-class workshops for any grade level. Favorites have included Inventors Club, Assemblage Art and Mythbusters. Call us today to set up a program to supplement your school's curriculum!

Let STAR NOVA host your next weekend or during or after school GATE event! We can turn just about any of our class offerings into a high-quality weekend event for up to 180 students.

**CSI • In It To Win It • Mythbusters • Art Studio • Assemblage Art**

**Environmental Exploration • Improv • "Shake"-speare It Up! • STEAM**

## **Family Nights**

Many of the STAR Nova classes can also make a wonderful Family Night for your school or your GATE program. Family participation in a child's education is very important, and STAR Nova can partner with you to provide an exciting night of learning and family bonding for your school.

These events are typically two hours in the evening and can host up to 250 people. The school provides the space and promotes the event.

The most popular classes for these events include Engineer It with ZOME, Improv, Kaboom Science and In it to Win It!

## **Contact**

### **STAR Nova**

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And GATE Events!