



YOUTHSCIENCECENTER™
Inform | Instruct | Inspire

2025 SUMMER SCIENCE DISCOVER PROGRAM

JUNE 2 – JULY 11
KINDER – 8TH

2025 Summer Schedule

Classes held at
Grazide Elementary School
2850 Leopold Ave,
Hacienda Heights, CA 91745
youthsciencecenter.org



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June 2 - June 6 (Week 1)

| Time | Grade Level | Class Title | Subject | Description | Member* | Non-Member |
|--------------|-------------|---|----------------------------|--|---------|------------|
| 8:30 - 11:45 | K-2nd | #101 Block Builders: Block Coding in Minecraft | Computer Science | Learn coding with Minecraft! Learn how to use critical thinking skills, identify "bugs" and how to solve them, how to follow and predict a set of instructions, and decompose a problem into smaller steps by playing Minecraft Hour of Code block coding games. | \$138 | \$150 |
| | | Ocean's Wild | Marine Biology | Put your mask on and come and explore the amazing and wild world beneath our ocean's surface. Learn about underwater canyons, animals and plants and even get to see some of these wonderful and wild creatures and plants up close. | | |
| | 3rd-5th | #102 Marine Mammals | Marine Biology | Put on your mask. Get ready to look into the ocean. Learn about the amazing animals that live in this incredible world. Make your own ocean fish print, dissect a squid, get up and close to a marine animal, and create fun take home animal crafts. You'll have a seasational time! | \$148 | \$160 |
| | | Junior Digital Designers | Graphic Design | Unleash your creativity in this hands-on class where kids will learn to design movies, websites, and comic strips using Canva! From crafting cool animations to building eye-catching web pages and designing action-packed comics, this class turns imagination into reality. Perfect for young storytellers, future designers, and creative minds who want to bring their ideas to life. | | |
| | 6th-8th | #103 Mighty Mortar: Engineering with Clay | Engineering | Learn the properties of clay soils by creating your own clay, building structures with it, such as highway overpasses, tunnels, bridges, and etc. Then test their conductivity, strength, flexibility, and buoyancy. | \$138 | \$150 |
| 12:30 - 3:45 | K-2nd | #104 ToonFit Adventures:Pikachu, Sonic, Powerpuff Girls, Oh My! | Entertainment Technology | Get your bodies moving by harnessing Pikachu's powers, channeling Teen Titans super abilities, procuring Sonic the Hedgehog's lightning speed, securing The Powerpuff Girls' super powers, and many more. Watch short clips to understand, discuss, and draw these powers then have friendly challenges to see who can jump the highest, run the fastest, throw the farthest, and etc. | \$138 | \$150 |
| | 3rd-8th | #105 GIMP: Meme Maker | Graphic Design & Animation | Learn how to edit images and create animated memes and emojis using the GNU Image Manipulation Program. Students can either create their own memes or create a character from a photo. Students will then do advanced editing using GIMP software on their images to create their own animated memes and emoji to use on social media. Students can repeat classes, learn new techniques in each class, and start their projects from their own level. | \$148 | \$160 |
| | 5th-8th | #106 Roller Physics | Physics | In this hands-on class, kids will dive into the world of dynamic motion, exploring the physics principles behind iconic modes of transportation and dynamic objects. From the thrill of skateboards and roller coasters to the mechanics of cars, bicycles, motorcycles, and more, students will embark on a comprehensive journey into the science of movement. This class is a dynamic exploration of the scientific principles that govern the movement of everyday objects. Join us as we ride, roll, and experiment our way through the captivating world of physics in motion! | \$138 | \$150 |
| 4:00 - 5:30 | K-4th | #107 Painting with Food | Chemistry | In this colorful and edible class, students will create colorful art with foods, artistic designs with their own natural food dyes, create self portraits and beautiful landscapes with condiments and spices, and much more. | \$74 | \$80 |
| | 3rd-8th | #108 Minecraft.edu | Entertainment Technology | Use your creative and critical thinking skills to learn about Green Engineering through engaging activities specifically developed to promote learning through playing the popular game, Minecraft.edu. | \$79 | \$85 |

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June 9 - June 13 (Week 2)

| Time | Grade Level | Class Title | Subject | Description | Member* | Non-Member |
|--------------|-------------|---|--------------------------|--|---------|------------|
| 8:30 - 11:45 | K-2nd | #201 Pokemon STEM Challenge | Entertainment Technology | Hey there, all Pokemon Trainers! Come join us and learn the science behind your favorite Pokemon along with their type weaknesses, resistance, and immunities and how they relate to the real world. Then get ready to choose your favorite Pokemon and have a virtual battle with your classmates to get your body moving. Then finally, wind down from all that battling and learn to draw your favorite Pokemon. Pokemon Trainers are passionate about their Pokemon, so we will definitely make some time for show and tell and sharing of Pokemon knowledge...who knows, you might even learn something new. You'll definitely get a well rounded experience in this class, you will learn science, get some exercise, learn to draw, and learn more about Pokemon! So, who's up for the Pokemon STEAM challenge? | \$138 | \$150 |
| | | Ancient Science Jr. | Anthropology | Dig into the science of ancient times and unearth amazing discoveries! You will be creating artifacts, such as mediums to draw on, historical maps to navigate, and the Egyptian pyramids. Discover the mysteries behind mummies, skin and food preservation, shrunken fruits, and more. | | |
| | 3rd-5th | #202 New! Suds & Scrubs: Fizzy Chemistry | Chemistry | Ever wondered how soap cleans, lotion softens, or shampoo makes bubbles? In this hands-on class, kids will become mini chemists as they mix, measure, and experiment to create their own skin care products! We'll explore the science behind emulsions, pH balance, and natural ingredients while making fun, safe products like soaps, lip balm, and more! | \$138 | \$150 |
| | | Web Development | Web Design | Learn the basics of web development and coding, such as HTML, in a fun and easy way, allowing kids to create their own websites. | | |
| | 6th-8th | #203 New! Pixel to Print: Minecraft and 3D Creations | Entertainment Technology | Join us on a journey from the digital realm of Minecraft to the tangible world of 3D printing! This class teaches students how to design their own Minecraft creations and prepare them for 3D printing. Participants will learn about 3D modeling techniques, file preparation, and the printing process, culminating in the excitement of bringing their virtual design to life. | \$148 | \$160 |
| 12:30 - 3:45 | K-2nd | #204 Critters on the Move | Entomology | Are you fascinated by the world of bugs, or are you interested in their habits and their life cycles, or just plain curious about them? Come join us and learn about different bugs and how they are an indispensable part of our ecosystem. The best part is that you can even get to take some of these critters home! | \$138 | \$150 |
| | 3rd-8th | #205 New! Power Up with Renewable Energy | Environmental Science | Power up your knowledge with our Renewable Energy class! Kids will discover how the sun, wind, and water create electricity through fun, hands-on experiments and exciting projects. Learn how we can power the future while protecting the planet. | \$138 | \$150 |
| | 5th-8th | #206 Arduinos: Microprocessor Programming | Computer Programming | Have you ever wanted to get creative with technology? Well, in this class, whether you have no experience or are a tinkerer, artist, programmer, hobbyist, or just plain curious, then this class is for you as you will be able to bring your electronics imagination to life by learning the Arduino board, programming language, and software, which will enable you to plan and build projects. Skills in prototyping, soldering, and coding will continue to improve throughout the class. Students will build digital and interactive projects that can sense and control objects in the physical world and the best part is, you can take home your Arduino kit for further exploration. Good for beginners and repeating/intermediate students. | \$148 | \$160 |
| 4:00 - 5:30 | K-4th | #207 Edible Science | Chemistry | Eat your science experiment? Yes! In this class you will learn the science behind some of your favorite sweet foods and even eat them! | \$74 | \$80 |
| | 3rd-8th | #208 Minecraft.edu | Entertainment Technology | Use your creative and critical thinking skills to learn about Chemistry through engaging activities specifically developed to promote learning through playing the popular game, Minecraft.edu. | \$79 | \$85 |

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June 16 - June 20 (Week 3)

| Time | Grade Level | Class Title | Subject | Description | Member* | Non-Member |
|--------------|-------------|--|--|--|---------|------------|
| 8:30 - 11:45 | K-2nd | #301 Coding for Kids | Computer Science | Join us for exciting new activities that will teach kids essential critical thinking skills, including identifying and solving "bugs", following and predicting a set of instructions, and decomposing a problem into smaller steps by playing online coding games on an iPad. To finish it off, students will make an actual board game of their digital creations. | \$138 | \$150 |
| | | Young Explorers: Where Science Meets Art in the Great Outdoors | Art Science | Join us for an exploration into the beauty of the natural world through the eyes of young scientists and artists. Join us for an unforgettable journey where creativity blossoms, scientific curiosity flourishes, and the great outdoors becomes a boundless canvas for learning and inspiration. | | |
| | 3rd-5th | #302 Sound Lab: Rockin' the Science of Music | Cymatics | Cymatics is an emerging science that blends sound and matter. In this class you not only get to hear music, but you will also get to SEE it. Learn the physics behind cymatics, get to rock out to music created by your own instruments, and learn about different vocal ranges by studying famous singers. | \$148 | \$160 |
| | | Beginning Python Coding | Computer Science | In this class, students will learn how to code interactive projects in Python-a text-based programming language that is widely used for programming. Through project based lessons, students will be first introduced to the interactive coding environment, variables, conditionals, and loops all while manipulating their own sprites. | | |
| | 6th-8th | #303 New! Criminal Forensic Technology and Science Part II | Forensic Science | Ever wondered how real-life detectives solve crimes using science? Step into the world of forensic investigation and become a digital detective! In this exciting class, you'll dive into a virtual forensics lab to extract DNA, analyze fingerprints, test for mysterious substances, and uncover hidden clues. Then, put your skills to the test by solving thrilling real-life and fictional crime cases. Get ready to think like a scientist, investigate like a detective, and crack the case! | \$138 | \$150 |
| 12:30 - 3:45 | K-2nd | #304 Eco Rangers | Environmental Science, Engineering | Eco Rangers is the ultimate class for young changemakers who want to make a difference! Kids will dive into the world of recycling, composting, and creative upcycling while learning how to reduce waste and protect the Earth. Fun experiments and eco-friendly crafts make this class a blast! | \$138 | \$150 |
| | 3rd-8th | #305 Take Charge Thunderbolt | Physics | Can you harness Pikachu's thunderbolt powers to overtake others and continue your quest for the next battle? Well in this class you will learn about the different types of electricities that exists and whether or not you can use your electrical powers to make balls dance, to levitate objects, and to even shock your friends. | \$138 | \$150 |
| | 5th-8th | #306 Drone Racer | Computer Science, Electrical Engineering | Do you have what it takes to be the next drone racer? In this class, pilots will learn to build and fly micro drones equipped with cameras to give a truly first person view of flight. With the use of flight simulator software, pilots will learn basic flight principles, such as yaw, pitch, and roll. Pilots will also learn about the electromagnetic spectrum and how electromagnetic radiation allows for the control of drones. Come be the first to test your skills in our indoor race track! | \$148 | \$160 |
| 4:00 - 5:30 | K-4th | #307 Eco Entrepreneurs: No Sew Fashion | Upcycling & Entrepreneur | Have you ever thought about being your own boss or about making money with your own designs? Well, in this eco entrepreneur class, not only will you learn to save money and use your imagination and creativity to create no sew clothing, puppets, cases, bags, cozies, and other useful household items, but you will also learn how you can become a steward of our planet by recycling old and unwanted clothing, fabric, toys, plastic knick-knacks, and etc to free up space in our landfills. Be your own boss, learn to recycle and gift or sell your fashions designs while protecting the planet. | \$74 | \$80 |
| | 3rd-8th | #308 Minecraft.edu | Entertainment Technology | Use your creative and critical thinking skills to learn about Biodiversity through engaging activities specifically developed to promote learning through playing the popular game, Minecraft.edu. | \$79 | \$85 |

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June 23 - June 27 (Week 4)

| Time | Grade Level | Class Title | Subject | Description | Member* | Non-Member |
|--------------|-------------|---|-----------------------------------|---|---------|------------|
| 8:30 - 11:45 | K-2nd | #401 Coding Unplugged | Computer Science | In this class, you will learn how computers operate, how coding works, how robots do things, and how computer applications function without the use of any computers or computer applications! That's right! In this unplugged class, you will learn all of this through actual hands-on crafts, "dances", and drawings. | \$138 | \$150 |
| | | Bubbleology | Physics | Burst into the world of "bubbleology". Learn the physics and chemistry behind bubbles, such as surface tension and why bubbles are round, float, stretch, and pop. So, get your bubble wands ready to make and learn about bubbles! | | |
| | 3rd-5th | #402 Digging Deep: The Secrets of Soil | Soil Science | Come and and explore the exciting world of mud or more commonly known as Soil Science. Learn about soil colors, make your own soil profile, then create your own dirt pudding soil profile that you can eat! Make your own soil drawings to create your own soil painting masterpieces. | \$138 | \$150 |
| | | New! The Mystery Makers: Exploring Sound, Movement, Painting, Ceramics, and Photography | Physics | Come and discover the wonders of both art and science! Students will engage in creative projects that blend scientific concepts with artistic expression. Understand how singers and dancers can perform effortlessly, how photographs capture images, how lumps of clay are transformed into art and much more. Join us for a vibrant journey of discovery where imagination and inquiry come together! | | |
| | 6th-8th | #403 3..2..1..Blast Off! Model Rocket Launch | Physics | This class explores fun experiments that teach how to build mind-blowing projects, each designed to show how mechanical science and astrophysics work. We'll use everyday items to build awesome rocket ships, paper spinners and mobile rocket launch pads, all while learning concepts like Newton's Third Law of motion, speed, gravity and air resistance. Kids learn to make scientific observations, identify and classify their questions, all while investigating aerodynamics. | \$148 | \$160 |
| 12:30 - 3:45 | K-2nd | #404 Digging Deep: The Secrets of Soil | Soil Science | Come and and explore the exciting world of mud or more commonly known as Soil Science. Learn about soil colors, make your own soil profile, then create your own dirt pudding soil profile that you can eat! Make your own soil drawings to create your own soil painting masterpieces. | \$138 | \$150 |
| | 3rd-8th | #405 New! Fortnite Creative: Physical World Challenge | Entertainment Technology, Physics | Why do some jumps in Fortnite feel different? What happens when you hit terminal velocity? In this exciting class, kids will use Fortnite Creative mode to explore real-world physics principles like speed, acceleration, projectile motion, and collisions. Through custom-built challenges and experiments, they'll discover how science shapes every movement in the game—and in real life. | \$148 | \$160 |
| | 5th-8th | #406 New! Code & Motion: Exploring Physics Through Coding | Computer Science, Physics | Turn physics into code and see science come to life! In this interactive class, kids will learn key physics concepts—like acceleration, energy, and gravity—by learning basic programming. Students will use coding to explore how the world around them moves and works. | \$148 | \$160 |
| 4:00 - 5:30 | K-4th | #407 Slimey Science | Chemistry | Like things that ooze, things that are squishy, things that are icky, and things that are slimes? Then come join us and learn the chemistry behind many different types of slimes all while making and experimenting with slime! | \$74 | \$80 |
| | 3rd-8th | #408 Minecraft.edu | Entertainment Technology | Use your creative and critical thinking skills to learn about Farming Technology through engaging activities specifically developed to promote learning through playing the popular game, Minecraft.edu. | \$79 | \$85 |

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June 30 - July 3 (Week 5) **No class on July 4**

| Time | Grade Level | Class Title | Subject | Description | Member* | Non-Member |
|--------------|-------------|---|--------------------------|--|---------|------------|
| 8:30 - 11:45 | K-2nd | #501 Battle Bots Jr. | Robotics | Use your creative thinking skills and your competitive nature to program your robots, to complete the balloon popping challenge, to wrestle your robot gladiators, and much more in this fun robot engineering class. | \$111 | \$120 |
| | | Science Time Travelers: How We Got Here | General Science | Travel through time and uncover the greatest scientific discoveries that changed the world! From famous discoveries, to the invention of electricity through space exploration, kids will learn about groundbreaking ideas and the brilliant minds behind them through hands-on activities, fun experiments, and interactive storytelling. | | |
| | 3rd-5th | #502 New! Map Quest: The Hunt for Lost Riches | Cartography | Come and join us for a thrilling adventure hunting treasures while learning how to read maps. Through teamwork and problem-solving, students will follow clues and navigate to hidden treasures. This hands-on experience not only builds map-reading skills but also encourages exploration, creativity, and fun! Join us for a quest that turns learning into an unforgettable adventure! | \$111 | \$120 |
| | | Battle Bots | Robotics | Use your creative thinking skills and your competitive nature to program your robots, to complete the balloon popping challenge, to wrestle your robot gladiators, and much more in this fun robot engineering class. | | |
| | 6th-8th | #503 New! Cosmic Explorers: A Journey Through the Stars | Astronomy | Ever wanted to travel through space? Now's your chance! In this immersive astronomy class, students will step into our giant inflatable planetarium to explore the night sky like never before. With hands-on activities and exciting experiments, they'll learn about planetary orbits, cosmic distances, and the forces that shape our universe. | \$111 | \$120 |
| 12:30 - 3:45 | K-2nd | #504 New! Suds & Scrubs: Fizzy Chemistry | Chemistry | Ever wondered how soap cleans, lotion softens, or shampoo makes bubbles? In this hands-on class, kids will become mini chemists as they mix, measure, and experiment to create their own skin care products! We'll explore the science behind emulsions, pH balance, and natural ingredients while making fun, safe products like soaps, lip balm, and more! | \$111 | \$120 |
| | 3rd-8th | #505 New! Circuitry Circus | Electrical Engineering | Experiment with these exciting snap circuits to make dozens of cool electronic gadgets and learn the basics of electrical engineering and circuitry. Students will have the opportunity to keep their circuit kit and take home all the knowledge and skills they learn in class. By the end of the session, they'll be able to showcase their new electric powered gadgets and creations, impressing friends and family with their newfound skills. | \$118 | \$128 |
| | 5th-8th | #506 3D Laser & Engraver | Graphic Design | Learn spatial reasoning using cutting edge tools required to create 3D designs and how to efficiently use computer aided design software to produce your projects. | \$118 | \$128 |
| 4:00 - 5:30 | K-4th | #507 Magic Science | Physics | Come discover the magical, surprising science in our world! Defy the forces of gravity, investigate optical illusions, experiment with sound makers, mix colors without touching them, and "see" invisible forces at work! Learn the magic behind the exciting world of physics! | \$59 | \$64 |
| | 3rd-8th | #508 Minecraft.edu | Entertainment Technology | Use your creative and critical thinking skills to learn about Creative Design through engaging activities specifically developed to promote learning through playing the popular game, Minecraft.edu. | \$63 | \$68 |

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July 7 - July 11 (Week 6)

| Time | Grade Level | Class Title | Subject | Description | Member* | Non-Member |
|--------------|-------------|---|---------------------------------|--|---------|------------|
| 8:30 - 11:45 | K-2nd | #601 New! Fun Fungi: Building a Greener World with Mushrooms | Mycology, Environmental Science | Discover the incredible root structure of fungi, mycelium! Students will discover how mycelium serves as nature's recycler, breaking down organic matter and enriching the soil. They'll explore the future of mycelium, such as creating eco-friendly furniture, biodegradable clothes, and even building products. Through hands-on activities, kids will see how mycelium can help reduce waste, promote sustainability, and create a "greener" future! | \$138 | \$150 |
| | | New! Circuitry Circus Jr. | Electrical Engineering | Let's explore the world of simple circuits! In this class, kids will experiment with circuits to create sounds, lights, and simple games with the Makey Makey Go device, and create their own fun-moving robots using batteries, motors, and everyday materials. From dancing bots to scribbling art bots, each take home project is designed to spark creativity and introduce young minds to electrical engineering! | | |
| | 3rd-5th | #602 Jr. Digital Designers | Graphic Design | Unleash your creativity in this hands-on class where kids will learn to design movies, websites, and comic strips using Canva! From crafting cool animations to building eye-catching web pages and designing action-packed comics, this class turns imagination into reality. Perfect for young storytellers, future designers, and creative minds who want to bring their ideas to life. | \$148 | \$160 |
| | | New! Fun Fungi: Building a Greener World with Mushrooms | Mycology, Environmental Science | Discover the incredible root structure of fungi, mycelium! Students will discover how mycelium serves as nature's recycler, breaking down organic matter and enriching the soil. They'll explore the future of mycelium, such as creating eco-friendly furniture, biodegradable clothes, and even building products. Through hands-on labs, students will understand the microscopic world of mycelium and how it can create a "greener" future! | | |
| | 6th-8th | #603 New! Fortnite Creative: Survival World Challenge | Environmental Science | Gear up for an amazing adventure where you'll team up with friends to build a better world in Fortnite! Dive into Creative mode and learn how to tackle issues like climate change and food shortages. Compete in thrilling challenges to see who can design the most sustainable world using Unreal Editor for Fortnite & Creative. Let's save the Earth—one game at a time! | \$148 | \$160 |
| 12:30 - 3:45 | K-2nd | #604 Pet Vets Jr. | Veterinarian Science | This hands-on veterinarian class is designed to instill a sense of empathy, responsibility, and curiosity about the well-being of animals. Through a blend of play, exploration, and creative activities, our Pet Vets Jr. class will leave young learners excited about the world of veterinary care and the importance of kindness to animals. | \$138 | \$150 |
| | 3rd-8th | #605 Bio-explorers: Dissections, One Cell at a Time | Anatomy, Biochemistry | Discover how the body works—from the tiniest molecules to entire organ systems! In this interactive class, students will dissect specimens to study anatomy while also performing biochemistry experiments to explore how enzymes power digestion, how proteins build muscles, and much more. It's a perfect mix of hands-on exploration and scientific discovery. | \$148 | \$160 |
| | 5th-8th | #606 Roblox Lua Coding | Computer Science | Curious about entering the world of computer science? Learn Lua - one of the most popular languages for video game programmers using the hit platform Roblox! Students will use Roblox Virtual Studio graphical and Lua-scripting capabilities to learn the basics of building a graphical interface and writing simple code. Watch your creations come to life! No experience necessary! | \$148 | \$160 |
| 4:00 - 5:30 | K-4th | #607 Balloon Engineering | Engineering | Engineer some fun by learning about fish and human physiology; engineer creative aerodynamic vehicles and launchers; and engineer fantastic durable arch structures all with the use of your critical thinking skills, fine motor skills, and you guessed it, balloons! | \$74 | \$80 |
| | 3rd-8th | #608 Minecraft.edu | Entertainment Technology | Use your creative and critical thinking skills to learn about Creative Design through engaging activities specifically developed to promote learning through playing the popular game, Minecraft.edu. | \$79 | \$85 |

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