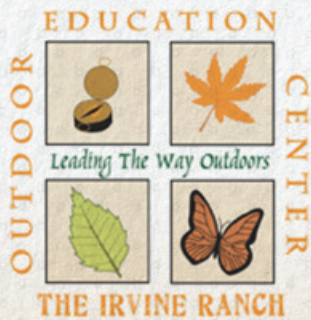


THE IRVINE RANCH OUTDOOR EDUCATION CENTER



ACADEMIC PROGRAM GUIDE



EARTH SCIENCE

- MINING CAMP -

The Mining Camp features an 1800 square foot mine with two shafts and a crank-operated ore lift. Students wear miner's helmets with working headlamps to dig for ore, then crack geodes, and finish by panning for gold.

Areas of study include: geology, engineering, geography, plate tectonics, earthquakes, archeology, fossils & fossil fuels and minerals.



LIFE SCIENCE

- RANCH CAMP -

The Ranch Camp is a two-acre outdoor learning laboratory where students focus on how to positively impact ecosystems. Students will explore the 188 citrus grove with over 30 varietals, the organic garden beds, beehives, fresh water pond, and aquaponics system.

Areas of study include: botany, agricultural ecology, soil science, composting, permaculture, entomology, and biomimicry.



PHYSICAL SCIENCE

- ASTRONOMY & STEM CAMP -

The Astronomy & STEM Camp boasts two, 11.5" Celestron telescopes to experience the thrills of space discovery and the universe beyond their reach. Students will be able to build and launch their own rocket and explain how rollercoasters and airplanes are set into motion.

Areas of study include: astronomy, aviation, atmospheric pressure, gravitation, sublimation, and engineering.

IMMERSION PROGRAMS

ACADEMIC PROGRAMS

The Irvine Ranch Outdoor Education Center offers a wide range of academic fieldtrip, day-use and multi-day science immersion programs that meet or exceed over 100 California Educational Curriculum Standards! Bring your school or home school for one session or add a recreational activity and make a full day of it! Feel free to have kids bring their lunch from home or we can set up lunch in our dining hall. Choose from Weird & Wacky Science, The Lucy-Lou Mine, or A Day on the Ranch – sessions go from 9:00am – 12:00pm or 1:00pm – 4:00pm.

Weird & Wacky Scientist

Experience out-of-this-world wonders at Astronomy & STEM Camp. Students will focus on physical science concepts by firing rockets, use atmospheric pressure to implode soda cans, and much more!

The Lucy-Lou Mine

Mosey on over to the Lucy-Lou Mine to absorb all of our rich Gold Rush history. Students will climb down the replica mine-shaft to dig in a fun, hands-on encounter, then rock out to mineral exploration.

A Day on the Ranch

Adventures in the Ranch Camp allow for exploring the citrus grove, seasonal vegetable garden, then visit our windmill and solar powered well. All of this can be done while learning about agro-ecology, integrated pest-management, plant anatomy, photosynthesis, and sustainability.





Recreation Programs

Archery // Students will learn the ancient art of archery. Here staff will walk them through proper safety techniques and form to help them hit the bulls eye they can brag about to their parents.

Zip Line // Our 100-yard zip line travels over a majestic canyon where students will be first briefed on safety procedures. After everyone is harnessed up by staff, they will be set soaring down over the coastal sage scrub and desert canyon. Our staff will encourage and help students overcome any fears, while also using the activity to create a bond and trust with all campers.

Challenge Course // Being able to lead, collaborate, and communicate are skills to help us develop into positive individuals. Our staff will give challenges to campers to build these abilities together in a cooperative, group setting. The 21st century learning competencies gained here are priceless and fun!

Rock Wall // This activity is becoming popular nationwide and is the perfect mix of excitement and dexterity. Here at the IROEC, we have a rock wall to challenge all skill levels. Staff will facilitate students climbing up the wall to help build confidence, in a safe and encouraging atmosphere.

Tie Dye // What is a camp without tie dye? Students will pick out their size white shirt with our IROEC logo and create their own design through this fun staff-lead craft. Students get the chance to make something unique that they can take home with them and wear for years to come.

Day Swim // Another hot day in Southern California? Don't sweat it. Our junior Olympic-size swimming pool is exactly the cure. Students will be able to splash or lounge around in the amazing aquatic area. In addition to this competition size (3ft-8 ft deep) pool, we feature 188ft curving waterslide that takes 5 turns to drop kids off into a shallow pool (3ft 6 in deep) that sits just below.

Two, Three, or Four Night Outdoor Science Camp Program

Our overnight camp is not only educational, but creates memories that last a lifetime. From the moment they arrive, students will participate in fully immersive activities, including learning about the various sciences above, exploring our local ecology, and bonding with our staff which all culminates in a campfire at the end of the week. Schools or staff can select the academic programs and activities that meet the needs of the students.





The Irvine Ranch Outdoor Education Center's mission is to serve all youth of Southern California by providing quality outdoor educational programs that instill in them an appreciation of the outdoors and the environment, teach effective teamwork, instruct about the cultural history of California and provide access to the natural resources of the surrounding areas.

LEADING THE WAY OUTDOORS

The IROEC team looks forward to hosting your students. Contact our staff to come and tour the property or we can bring the presentation to you! We welcome the opportunity to showcase all aspects of our facility. Please call today for more information.



The Irvine Ranch Outdoor Education Center strives to provide the highest quality outdoor education program. With that in mind, we love working with schools to figure out what the optimal programming would be for the most reasonable price. Our scholarship fund is designed to ensure that all children, no matter economic or other disabling factor, be able to have the same opportunities as their peers. The scholarship money is used primarily to assist in student fees, acting in the same fashion as a college scholarship, ensuring that students with financial need will be assisted.

