

explorit.org



EXPLORIT SCIENCE CENTER

DAVIS, CALIFORNIA



2018-2019
Explorit Science Center

PROGRAM GUIDE

CA NGSS Aligned
Science Programs for
Schools, Groups, and Teachers

Providing programs that help strengthen your curriculum
and inspire enthusiasm about science and nature.

Hello from Explorit!

We are excited to offer another year of hands-on science education for students, teachers and families. For 36 years Explorit's mission has been to ignite and foster curiosity about science and nature through inquiry and discovery. We promote "Think it-Try it-Explorit!" – an approach aligned with NGSS standards. Explore classroom adventures brought by our education staff or come to us to interact with our gallery of Earth Explorations and many onsite inquiry labs. A great extension of learning happens with a Family Science Night as we bring museum quality experiences to your location. We look forward to supporting your science adventures this year!



Sheila Allen, R.N., Ph.D.
President, Board of Directors

Programs At Your Site - We Visit You

Classroom Adventures

Invite Explorit into your classroom to provide guided hands-on experiences for your students. After a brief introductory discussion with an Explorit educator, students will rotate through four activity stations, each with interactive activities and explorations to stimulate curiosity, and encourage investigation and problem solving.



Available topics:

Amazing Animals

Grades K-3



Investigate the ways animals survive and thrive with real animal specimens. See how adaptations help animals hide in plain sight and how young animals change as they grow. Meet Explorit's resident insects and reptiles.
LS1.A, LS1.B, LS1.C, LS2.A, LS3.A, LS3.B, LS4.B, LS4.C, LS4.D, ESS2.E, ESS3.A

Earth's Features

Grades 3-5



Uncover the Earth's layers to discover the forces behind the phenomena of earthquakes and volcanoes. Design an earthquake-safe structure and then shift the tectonic plates. Explore rock, fossil, sand, and mineral samples for what they reveal about the history of the planet.
ESS1.C, ESS2.A, ESS2.B, ESS2.C, ESS2.E, ETS1.A, ETS1.B

Ecosystems and Biomes

Grades 2-5



Discover how water, weather, geology, and flora and fauna make each biome unique. From changes in the atmosphere to the layers of the soil, explore the roles that both biotic and abiotic factors play in an ecosystem.
LS1.A, LS1.B, LS1.C, LS1.D, LS2.A, LS2.B, LS2.C, LS2.D, LS4.C, LS4.D, ESS2.A, ESS2.C, ESS2.D, ESS2.E

Simple Machines

Grades K-3



Explore how forces and objects interact to make things move. Test different pulley systems, build with gears, and discover the simple machines hidden in everyday objects. Lift people off the ground with a lever, or roll them across the floor with wheels.
PS2.A, PS2.B, PS2.C, PS3.C, ETS1.A, ETS1.B, ETS1.C

Family Science Nights

Explorit transforms the school multipurpose room into an interactive hands-on science museum for the entire family. Invite students and their families for an unforgettable science event. With up to 14 tables of activities, there is science fun for everyone.

Available topics:

Science in Your World

Explore a variety of Earth, life, and physical sciences. Meet live Madagascar Hissing cockroaches, help dissect a sheep's heart, use microscopes to solve mysteries, and experience static electricity.
LS1, LS2, LS3, LS4, ESS2, ESS3, PS1, PS2, PS3, PS4, ETS1

Green World, Healthy People

Explore the interconnectedness of human, animal, and environmental health. Design an energy-efficient building, learn to support bees and pollination, and make smart food choices for a healthier future of the planet.
LS1, LS2, LS3, LS4, ESS2, ESS3, PS1, PS2, PS3, ETS1



All Programs
are aligned with
California State
Science Standards

Classroom Adventures Fees

Classroom Adventures

- 4 sessions = \$550 (\$137.50/session)
- 2 sessions = \$350 (\$175/session)
- 3 sessions = \$450 (\$150/session)
- 1 session = \$190

Travel Fee

99 cents per round-trip mile to the site.

Details

- Book up to four 60-minute sessions of a single topic in one day.
- Each session accommodates up to 40 students.
- Additional charges apply for groups over 40 students.
- Teacher participation plus 2-4 adult chaperones required.
- Available weekdays or by special arrangement.

Family Science Night Fees

Family Science Nights

\$925 for a 90-minute program.

Travel Fee

99 cents per round-trip mile to the site.

Details

Available weekday evenings with other days and times available by arrangement.

Programs At Explorit - You Visit Us

In Our
Exploration
Gallery!

Discovery Lessons



Join an Explorit educator for a guided exploration of our current gallery exhibition.

LS1.A, LS1.C, LS1.D, LS2.B, LS2.C, LS2.D, LS3.A, LS3.B, LS4.A, LS4.B, LS4.C, LS4.D, ESS1.B, ESS3.C, PS2.A, PS2.B, PS3.B, PS3.C, PS4.B, ETS1.A, ETS1.B, ETS1.C

Inquiry Labs

Students, in small groups, meet open-ended challenges designed to stimulate curiosity and problem-solving skills. These labs emphasize the importance of experimentation and collaboration in the scientific process.

Available topics:

Electricity



Explore electricity and magnets. Learn more about flowing and static electricity by creating electrical charges, watching how they interact, and constructing circuits. **PS2.B, PS3.A, PS3.B, PS3.D, ETS1.A, ETS1.B**

Energy



Get moving by transforming potential energy into kinetic energy with a series of fun science challenges. Use gravity, engineering and boundless imagination to propel toy cars without touching them or to slow a marble's fall. **PS2.A, PS2.B, PS3.A, PS3.B, PS3.C, PS3.D, ETS1.A, ETS1.B, ETS1.C**

Light and Sound



Make some waves while exploring how sound and light move and how to use that movement to communicate over long distances. Work with a team to construct a device to carry sound waves using everyday household materials. **PS3.A, PS3.B, PS4.A, PS4.B, PS4.C, ETS1.A, ETS1.B, ETS1.C**

States of Matter



Investigate the properties of substances like colloids and polymers. Get messy with solids and liquids by stretching, poking, and testing a variety of fun slimes. **PS1.A, PS1.B**

Nature Safaris



Explore the wilds of our adjacent Mace Ranch Park while discovering the biotic and abiotic factors that comprise Explorit's local ecosystem. **LS1.A, LS1.C, LS2.A, LS2.C, LS4.C, LS4.D, ESS2.E, ESS3.A, ESS3.C**



Programs at Explorit Fees

Discovery Lessons, Inquiry Labs and Nature Safaris

\$6.00/student, \$72 minimum per group.

Details

- All programs are 75 minutes.
- Each session accommodates up to 40 students, with at least one adult for every seven students (chaperones free).
- Available Monday-Friday or by special arrangement.

Earth Explorations

Get to know the planet we call home with this dynamic exhibition about the forces that shape the Earth. From wind and rain to earthquakes, experiment with shaping and moving different landforms. Shape the sand in our digital watershed model, then wave your hands to make it rain and watch how things change. Can you control where the water goes? Or use the shake table to make an earthquake. Explore rocks and minerals and much more.



The Augmented Reality (AR) watershed model allows visitors to mold miniature mountains, lakes, and rivers using only their hands.

About Our Gallery

Promoting our mission of hands-on science through inquiry and discovery, our onsite gallery offers many engaging, interactive experiences. The gallery honors a founding member of Explorit and has been named the "Anne Hance Exploration Gallery". We are forever grateful to her as well as all our volunteers who are committed to science education.

How You Benefit from Explorit

"I was very impressed with the programs Explorit brought to our school. They provided experiences above and beyond our resources. Looking forward to more visits!"

--Third Grade
Teacher

- We provide engaging hands-on science activities for you and your students.
- We help you meet state and national education standards.
- Families are inspired to discover science together.
- Our programs foster science literacy and awareness in your community.



Think it.
Try it.
Explorit.

How to Make a Reservation



Reserve by Phone

Call us at (530) 756-0191, 9am-4:30pm at least two weeks before your desired date.

Reserve Online

Visit www.explorit.org/program-request and fill out the online form. We will contact you to confirm your reservation.

Discounts

Programs delivered by December 31, 2018 receive a 10% discount. If your school has never had a program from Explorit, receive another 10% discount.

Fee Assistance

Full and partial scholarships are available for schools and groups demonstrating financial need. Apply online at explorit.org/programs/programs-for-groups and click on "Group Fee Assistance Application." Availability is limited.

Prepayment Policy

Programs reserved in May and June of 2019 must be paid by April 30, 2019.

The programs described in this brochure are offered by Explorit Science Center, a nonprofit California 501(c)(3) corporation. Your school district is not a legal sponsor of the programs and does not endorse them, nor accept any liability or responsibility for them.

Other Explorit Programs

- Exploration Gallery Exhibit
- Astronomy Club
- Birthday Parties
- Scout Programs
- Special Events
- Summer Science Camps

Visit explorit.org for information on these programs and more. Learn how to become a member and how you can support Explorit.

Contact us

Location

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