



# Program Guide 2010-11

## SCIENCE FOR K-6, FAMILIES AND GROUPS

*“Explorit’s programs provide lifelong memories that breed curiosity and encourage students toward future studies.”*

*– a 5th grade teacher in Rocklin*

### Online Reservation Requests (Preferred Method):

- Visit [explorit.org/program-request](http://explorit.org/program-request) at least 2 weeks before your desired date (the earlier the better).
- Click on “Make a Reservation Now” and follow the easy steps. This is simply a request; we will review availability and contact you to confirm your reservation.

### Phone Reservations:

- Call **(530) 756-0191** between 9-4:30 pm at least 2 weeks before your desired date (the earlier the better).
- Please have the following information ready:
  1. Name of program you desire
  2. Preferred and alternate dates
  3. Grade or age of group
  4. Number in group
  5. Desired time, accounting for lunch and recess

### Scholarships:

Full and partial scholarships are available for schools or groups demonstrating financial need.

- Fill out the online application at [www.explorit.org/scholarship](http://www.explorit.org/scholarship).
- If you are awarded assistance, you may then reserve a date following the normal procedure. Apply early; availability is limited.

### Contact Us:

**Phone:** (530) 756-0191

**Fax:** (530) 756-1227

**Email:** [explorit@explorit.org](mailto:explorit@explorit.org)

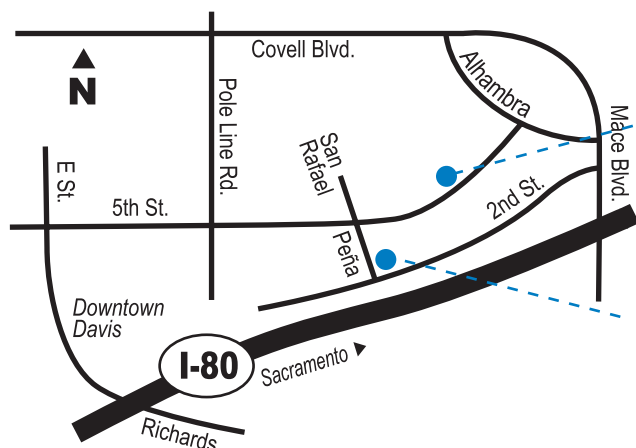
**www.explorit.org**

**Mail:** P.O. Box 1288  
Davis, CA 95617-1288



### Visiting Explorit:

please visit [www.explorit.org/visit/directions](http://www.explorit.org/visit/directions) for more detailed directions



**Explorit Nature Center**  
3141 Fifth St., Davis, CA 95618  
Nature Safaris take place here



**Explorit Science Center**  
2801 Second St., Davis, CA 95618  
Discovery Lessons and Inquiry Labs take place here



*This printer-friendly guide has nearly all the same information as our commercially printed guide, also available online.*

# Field Trips to Explorit Science Center



## Discovery Lesson

Under the guidance of an Explorit educator, your students will question, investigate and discover as they enjoy a stimulating lesson and exploration of the hands-on exhibition at our museum. Our interdisciplinary exhibitions will strengthen and support your students' science and math education. Additionally, brush up on a topic or provide your own hands-on activities with the help of our free Teacher Enrichment Resource Packet.

### Choose an Exhibition to Visit:

#### ■ Wheels to Wings

*September 13, 2010 – January 9, 2011*

Planes, trains, and automobiles! From the wheel to the jet engine, humans have created many ways to move around. Examine the different forms of transportation in use around the world. Learn about bike and car safety and how our transportation choices today can affect our environment and our future.

#### ■ Game On! The Science of Sports

*January 22 – May 8, 2011*

Play smarter, understand the science of sports. Find the "sweet spot" on a baseball bat. Feel the force that accelerates spinning skaters and divers. Discover how your muscles work together to throw a ball. Learn how to improve your game as you investigate the physics, biology, and even chemistry behind your favorite sports.

#### ■ Beautiful World: Science and Art

*May 21 - September 11, 2011*

From the ocean depths to the highest peaks, Earth is a dynamic planet. Discover how earthquakes and volcanoes shape the landscape and explore strange creatures adapted to survive in the harshest environments. You're in for a "wild" ride!

#### Length:

75 minutes

#### Group Size:

Up to 40 students. At least 1 adult per 7 students must accompany the group.

#### Availability:

Weekdays, 9–10:15 am, 10:45–12 noon, 12:30–1:45 pm.

#### Program Fee:

\$4 per student for a *Discovery Lesson* (\$48 minimum per group).  
\$7.50 per student for both a *Discovery Lesson* and *Inquiry Lab* on the same day for the same group (\$90 minimum per group). Teachers and adult chaperones are free.

## Inquiry Lab

*Inquiry labs* help emphasize the importance of experimentation, creativity and group work to the scientific process.

Students face multiple open-ended challenges. They're designed and facilitated in a way that stimulates curiosity and problem-solving skills. All labs are aligned with state education standards.

*Inquiry Labs* can be scheduled on their own or with a *Discovery Lesson*. A price break will apply when scheduling both on the same day.

### Choose a Topic:

#### ■ Electricity

*September 13, 2010 – January 9, 2011*

Learn more about flowing and static electricity by creating electrical charges, watching how they interact, constructing circuits and more.

#### ■ Falling and Floating

*January 22 – May 8, 2011*

Work through challenges to investigate concepts such as gravity, friction, air resistance and density.

#### ■ States of Matter

*May 21 - September 11, 2011*

Examine substances that defy our normal assumptions about what matter is and how it behaves.

#### Length:

75 minutes

#### Group Size:

Up to 40 students. At least 1 adult per 7 students must accompany the group.

#### Availability:

Weekdays, 9–10:15 am, 10:45–12 noon, 12:30–1:45 pm.

#### Program Fee:

\$4 per student for an *Inquiry Lab* (\$48 minimum per group).  
\$7.50 per student for both a *Discovery Lesson* and *Inquiry Lab* on the same day for the same group (\$90 minimum per group). Teachers and adult chaperones are free.



## Request a Program Online 24/7:

- Visit [explorit.org/program-request](http://explorit.org/program-request) at least 2 weeks before your desired date (the earlier the better).
- Click on "Reserve a Program Now" and follow the easy steps. We will review availability and contact you to confirm your reservation.
- For phone reservations: (530) 756-0191 (weekdays 9-4:30)

# Field Trips to Explorit Nature Center



## Nature Safari

Visit Explorit Nature Center for an outdoor safari experience, in which students discover the array of creatures that share our world.

With the help of an Explorit educator, students catch insect specimens, observe local wildlife in its natural habitat and learn about the roles these organisms play in the complex web of life. The program takes place outside regardless of weather conditions.

**Length:**

75 minutes

**Group Size:**

Up to 40 students. At least 1 adult per 7 students must accompany the group.

**Availability:**

Aug. 31 - Oct. 29 and March 15-June 4. Weekdays, 9-10:15 am, 10:45-12 noon, 12:30-1:45 pm.

**Program Fee:**

\$4 per student for a *Nature Safari* (\$48 minimum per group). Teachers and adult chaperones are free.



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## Become an Explorit Supporter

### Become an Explorit Member

**Members receive:**

- Free admission to Explorit plus free admission to more than 300 science and technology centers worldwide.
- Discounts on Summer Science Camps and our science-themed birthday parties.
- A 10 percent discount off merchandise from our store.

### Sponsor Programs

Corporate and business donors or individuals can support science education by underwriting programs at Explorit or at schools in the region. Custom packages available.

### Volunteer

A variety of opportunities are available. Assist in classrooms, at family events or in the office.

[www.explorit.org/support](http://www.explorit.org/support)

### **Request a Program Online 24/7:**

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- Click on “**Reserve a Program Now**” and follow the easy steps. We will review availability and contact you to confirm your reservation.
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# Traveling Programs for Large Groups



## School Assembly Program

Get your entire student body excited about human biology with "Journey Through the Human Body," a dynamic multimedia presentation that includes live experiments conducted by volunteers in the audience. Our newest outreach program brings several of the body's amazing systems to life as students explore what exists beneath the surface of their skin.

This assembly program is a great way to kick off interest in our family science night programs, especially the family science night *Health in Your World*. Schedule both an assembly and a *Health in Your World* for a 10 percent discount off your total program fees.

### Length:

45 minutes

### Group Size:

Up to 300 children, with one adult chaperone per class.

### Availability:

Weekdays, up to two presentations a day (with a 20- to 30-minute break between presentations)

### Program/Travel Fees:

\$430 for one presentation, \$685 for two presentations, plus 99 cents per round-trip mile to your site

*All programs are aligned with state and national education standards. Details at [www.explorit.org](http://www.explorit.org).*



## Family Science Nights

Turn your school into a hands-on museum for a night! Have students invite their siblings and their parents back to school for this program, which offers dynamic science experiences for all.

This program is a cooperative effort between Explorit and the host group. Explorit provides the activities and support staff. The host provides a contact person, space, tables, publicity and volunteers.

### Choose a Theme:

#### ■ Science in Your World

Watch the fun happen! We set up about 15 exciting interactive stations on geology, light, magnetism, engineering, chemistry, the human body and much more. Each station inspires participants to discover science through hands-on, inquiry based puzzles, experiments, and activities.

#### ■ Health in Your World

View the effect of tobacco on human lungs, see how much sugar goes into a 2-liter bottle of soda, understand how a healthy heart works. Explore the human body, fitness, the environment and more through experiments that make learning about health and healthful choices fun and accessible.

### Length:

90 minutes

### Serves:

200 to 600 children and adults

### Availability:

Weekdays, 6:30 - 8 p.m. Other days and times are available by special arrangement.

### Program/Travel Fees:

\$685, plus 99 cents per round-trip mile to your site.

## Request a Program Online 24/7:

- Visit [explorit.org/program-request](http://explorit.org/program-request) at least 2 weeks before your desired date (the earlier the better).
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- For phone reservations: (530) 756-0191 (weekdays 9-4:30)

# Traveling Programs for Small Groups



## Classroom Adventures

Invite Explorit into your classroom to provide guided, hands-on and minds-on experiences for your students. With six topics, an array of specimens, activities and information, *Classroom Adventure* programs will supplement and enrich your science curriculum. Each *Classroom Adventure* includes an interactive introduction by Explorit's science educator, plus time for free exploration and investigation. Students will use a variety of science tools to examine real science specimens.

Your students will make and share observations, construct a framework for understanding science, and develop problem-solving skills. The scope and focus of each subject varies according to grade level. Teacher supplements are available for each topic.

### Choose a Topic:

#### ■ Amazing Animals (Grades K-4)

Identify many types of animals through the examination of specimens and live animals. Understand animal traits and characteristics and how they are adapted to their environments.

#### ■ Simple Machines (Grades K-4)

Discover and experiment with the six main types of simple machines while exploring the forces of motion.

#### ■ Neighborhood Ecosystems (Grades K-6)

Step outdoors to explore the schoolyard ecosystem. Use magnifiers and binoculars to look closely at the soil, plants and animals in the world outside the classroom.

#### ■ Earth's Features (Grades 2-6)

Investigate the features of Earth like volcanoes and the forces that affect the surface like earthquakes. Compare everyday items with their natural rock and mineral forms.

#### ■ Explorations in Energy (Grades 3-6)

Learn about energy use and conservation through hands-on exploration. Experiment with different energy sources and how they can be converted into heat, light and motion.

#### ■ Microscopes and Magnifiers (Grades 3-6)

Learn about the principles of magnification and the "how-to's" of microscope use. Investigate microscopic wonders, from pond water life to your own fingerprints.

### Length:

60 minutes

### Group size:

Up to 40 children. Teacher participation plus 2-4 adult chaperones required.

### Availability:

Weekdays, up to 4 sessions per day; up to 2 different topics per day

### Program/Travel Fees:

Collaborate with other teachers to book more sessions and save!

- 4 sessions = \$380 (\$95 per session\*), plus 99 cents per round-trip mile to your site
- 3 sessions = \$300 (\$100 per session\*), plus 99 cents per round-trip mile to your site
- 2 sessions = \$250 (\$125 per session\*), plus 99 cents per round-trip mile to your site
- 1 session = \$150, plus 99 cents per round-trip mile to your site

\*Reduced prices apply only for same topic, same site, same day programs. Overage charges apply for groups over 40 students.

## Request a Program Online 24/7:

- Visit [explorit.org/program-request](http://explorit.org/program-request) at least 2 weeks before your desired date (the earlier the better).
- Click on "Reserve a Program Now" and follow the easy steps. We will review availability and contact you to confirm your reservation.
- For phone reservations: (530) 756-0191 (weekdays 9-4:30)

## Young Scientist Series

In this multi-session program during or after school, students can delve into a single topic for four consecutive weeks. They'll participate in ongoing investigations that build on each other each week, all the while keeping a lab journal. At the end, students will receive a Young Scientist Club card and a discount pass to Explorit. We provide an educator and all of the equipment and supplies.

To reserve the program, choose 1) a topic, 2) one day of the week for four consecutive weeks, and 3) a start time for your group(s). Custom packages are available.

### Choose a Topic:

- Forensics
- Health and Human Biology
- Plants and Nature
- Science and Art
- Space and Astronomy
- Up in the Air

### Length:

Four 60 – 75 minute sessions per group

### Group size:

Up to 25 children after school or 40 children during school. Teacher participation plus 2-4 adult chaperones required.

### Availability:

Weekdays for up to 2 groups during or after school. One topic per multi-session program.

### Program/Travel Fees:

Fees start at \$675, plus 99 cents per round-trip mile to your site. Total fees vary depending on session number and duration. Call us for details: (530) 756-0191 between 9-4:30 weekdays.



# Public Programs

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## Discover the wonders of science during a visit to Explorit Science Center, in Davis.

**“Move It! Science in Action”** is featured in the Jonsson Family Gallery. This exhibition explores the behavior of moving objects and our perceptions of them. What affects an object’s spin? How do still images in a movie combine to create the illusion of motion? Race two types of cycles, test shapes in a wind tunnel, experiment with sound waves and watch objects fall. After a visit to this exhibition, you’ll discover that motion is everywhere!

Upstairs in the Gumerlock Gallery investigate one of Explorit’s **Changing Exhibitions**. Every few months Explorit custom-builds a new exhibit based around varying themes. Please visit [www.explorit.org](http://www.explorit.org) for more information about the current exhibit and a schedule of upcoming topics.

## Hours & Admission:

Please visit our website, [www.explorit.org/visit](http://www.explorit.org/visit), for current hours and admission information.

## Our other public programs

- **Family Explorations and Festivals:**  
Periodically we stage all-ages events with a science focus. Expect a lively time, whether dissecting an owl pellet, making “Explor-ick” or controlling a robot.
- **Portal to the Public:**  
A multi-museum collaborative project providing free workshops for scientists and events for the public.
- **Summer Science Camp:**  
During summer camps, we offer programs that emphasize active learning – and fun!
- **Birthday Parties:**  
With several fun topics to choose from, Explorit offers hands-on and minds-on science birthday parties for children ages 4–12.
- **Astronomy Club:**  
Discover our universe through dynamic presentations and stargazing. Visit our website to learn more about the Club.

*The programs described in this guide – which are offered by Explorit, a nonprofit California corporation – are not legally sponsored or endorsed by any school district. School districts need not accept any liability or responsibility for these programs.*

## Program Sponsors:

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