



**CREEC
NETWORK**

CALIFORNIA REGIONAL
ENVIRONMENTAL
EDUCATION
COMMUNITY

Orange County CREEC

<http://www.creec.org/region9b/>

Volume 7, Issue 1

September - October 2009

Hidden Question

Embedded within the text of this newsletter is a hidden question. To be entered into the opportunity drawing for the prize described below, follow the instructions in the hidden question then contact me with your answer at HdelaMaza@ocde.us or 714-838-8990 by **September 23 by 5 p.m.** All participants will be entered into an "opportunity drawing." The winner of the drawing will receive the prize described below, and the rest of the participants will receive an appreciation gift.

The prize this month is the Summer 2009 issue of *Green Teacher Magazine: Education for Planet Earth*. This issue focuses on Self-Guided Earth Adventures. Articles include: Environmental Writing Projects, Humane Education, and Teaching Carbon Regulation.



Check out <http://www.greenteacher.com> for more information about this fantastic quarterly magazine. The editors have also compiled their "best of" into grade-span specific books.

Good Luck! ☺

Coordinator Communications: September Starts

Welcome to the new academic year! By now most of you have settled into regular routines with your students. Hopefully you have an eager and motivated crop of kids! ☺

As you continue to plan your curriculum for the year, please consider the many exciting environmental and outdoor education opportunities we have in Orange County. You can access a database of these resources at <http://www.creec.org/region9b/> then click on "Region 9b Resource Directory."

There are several local and statewide grants available with deadlines coming up in October and November. Please check out the "Funding Opportunities" posted on the OC-CREEC website.

In this newsletter and on the Orange County Region 9b website: <http://www.creec.org/region9b> you will also find many teacher workshops and opportunities to become more informed about science and environmental issues. We hope that you partake in these exciting offerings! Please let them know you heard about their event from OC-CREEC!

To a great new academic year!

-Helen



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For more local events, training opportunities:
<http://www.creec.org/region9b/>

This newsletter is a monthly publication of the California Regional Environmental Education Community (CREEC) Network in Orange County. The CREEC Network is administered by the California Department of Education, Environmental Education Program, in partnership with numerous agencies. In Orange County, CREEC is housed by the Orange County Department of Education's *Inside the Outdoors*® (<http://www.insidetheoutdoors.org>).

Information is compiled from several sources, including NSTA Express, NSTA, CSTA, EE-NEWS@NAAEE, CREEC, Information Exchange for Marine Educators, Energenius, Project Learning Tree, GLEF Edutopia News, CABAP, CFAITC, Volunteer Center OC, and others.

Training Time!

(Opportunities listed here may be appropriate for Teachers, EE Providers, or other Educators. Visit <http://www.creec.org/region9b> for other opportunities.)

Educators' Evening of Science at the Discovery Science Center - Free!

September 24, 2009; 4:00 p.m. - 7:00 p.m.

Join us for wine & hors d'oeuvres, exclusive program previews, and experience our newest permanent exhibit: Science of Hockey! You'll also visit with our program partners.

RSVP by Sept. 21: 714-542-2823 x 5103; email rsvp@discoverycube.org or online at: <http://www.discoverycube.org/education.aspx?q=74>

Environmental Service Learning Professional Development Workshop

September 26, 2009; 9:00 a.m. - 4:00 p.m.

Organizer: Generation Earth

Location: TreePeople, Beverly Hills 90210

Contact Ana Maria Sanchez at:

asanchez@treepeople.org or 818-623-4855

Registration Deadline September 24:

http://generationearth.com/calendar_registration.cfm

Attendees: Middle and High School Teachers
Our workshop addresses the ins-and-outs of environmental service learning. In addition to program materials covered on the day of the event, our Professional Development workshop connects you with Generation Earth's experienced staff who will help in the facilitation of an environmental service learning project on your school's campus.

Our workshop will provide participants with a wealth of resources including:

- Tools to create a standards-based environmental service learning project
- Free bus for a project-related fieldtrip (contingent upon criteria fulfillment)
- Environmental auditing tools for your campus

Green Lecture Series at the Environmental Nature Center: *6.8 Billion and Growing. Are We There Yet?*

September 30, 2009; 7:00 p.m.

Location: Environmental Nature Center (1601 16th Street; Newport Beach, CA 92663)

Information: <http://www.encenter.org>

RSVP: 949-645-8489 or email lori@encenter.org

Join John Seager, President and Chief Executive Officer of Population Connection, for an empowering presentation on human population.

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Great Grants & Cool Contests

Captain Planet Foundation Grants

Deadlines: Sept 30, 2009; Dec. 31, 2009; March 31, 2010; June 30, 2010

<http://captainplanetfoundation.org/>

The Captain Planet Foundation provides grants to support hands-on environmental projects. The objective of the Foundation is to encourage innovative activities that empower children around the world to work individually and collectively as environmental stewards. Grant rewards up to \$2,500 are available.

Toshiba America Foundation Grant

Deadline: October 1, 2009 (7 - 12 grade grants over \$5,000)

Deadline: Year-round (7-12 grade grants under \$5,000)

<http://www.toshiba.com/tafpub/jsp/home/default.jsp>

The Toshiba America Foundation is currently accepting applications for grants to support innovative projects designed by math and science teachers to make their own classrooms more exciting and successful for students.

State Farm Youth Advisory Board Grants

Deadline: October 2, 2009

<http://www.statefarmyab.com/>

Awards range from \$25,000 - \$100,000

Primary applicant should be either an educator who currently teaches in a public K-12, public charter, or higher education institution, or a school-based service-learning coordinator whose primary role is to coordinate service-learning projects in a public, charter, or higher education institution. Non-profit organizations are also eligible if they are able to demonstrate how they plan to actively interact with students in public K-12 schools.

Fedco Foundation Teacher Grants Program

Deadline: October 15, 2009

<http://www.oc-cf.org/Page.aspx?pid=293>

Information: Claudia Montesano at (949) 553-4202 ext. 46 or cmontesano@oc-cf.org

The Orange County Community Foundation, in partnership with the FEDCO Charitable Foundation, provides grants for full-time public school teachers serving students in grades kindergarten through 12th grade in Orange County.

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Training Time! [continued from page 2](#)

With the earth's population growing by one billion every dozen years, there is a clear connection between human population growth and virtually every global challenge from poverty to climate change to species extinction. The presentation includes a brief overview of the causes of rapid population growth, its impacts, and how we can meet and overcome this challenge.

Free Educator's Workshop at Discovery Science Center: Autumn Season Science **October 5, 2009 4:00 p.m. – 6:00 p.m.**

Information/RSVP: 714-263-3837

<http://www.discoverycube.org/education.aspx?q=11>

This educational event includes a hands-on science workshop on standard-based concepts, and exploratory visits to the Center's exhibits related to those topics. The workshop will address a variety of concepts and their applications across all grade levels with added emphasis on avoiding misconceptions.

Seminars on Science: Online Courses through the American Museum of Natural History

<http://www.amnh.org/learn/index.php>

Registration Deadline: October 5, 2009 (register by September 21 to receive a \$50 discount)

Cost: \$465/course

The following Fall 2009 courses are being offered:

- Earth: Inside and Out
- Genetics, Genomics, Genethics
- The Link Between Dinosaurs and Birds
- The Ocean System
- Water
- Evolution
- The Solar System

Up to 4 graduate credits are available for each course. All courses are September 26 - November 6, with an extra week for finishing your project.

For more information, e-mail seminfo@amnh.org

O.C. Natural History Lecture Series

October 7, 7:00 p.m. – 9:00 p.m.

Gary Meredith – *Birds of Orange County*

Information: Michelle Clemente: 949-644-3036

Location: Back Bay Science Center
(600 Shellmaker Rd.; Newport Beach 92660)



Project WILD and Aquatic WILD Workshop **October 10, 2009; 9:00 a.m. – 3:00 p.m.**

Advanced registration is required.

Location: Santiago Oaks Regional Park, Orange

Contact: *Inside the Outdoors* 714-708-3885 or

insidetheoutdoors@ocde.us

<http://www.insidetheoutdoors.org>

The Project WILD and Project WILD Aquatic workshop provides participants with interactive instructional strategies to make learning science fun! Activities have an emphasis on wildlife (terrestrial and aquatic) and natural resources, and are taught using innovative techniques for teaching basic skills. The curriculum meets the accepted criteria for environmental education and provides educators with materials that support national, state, and district standards in science, mathematics, language arts, social studies, and expressive arts.

National Teachers Enhancement Network: Online Science Content Courses for Teachers

<http://btc.montana.edu/courses.aspx/ntenhome.aspx>

Cost: Varies

Information: 800-282-6062

Upcoming courses include:

- Entomology: The Fascinating Bug
- The Twelve Principles of Soil Science
- Physics: Special Relativity
- Physics: The World of Forces

Wildlife Conservation Society Professional Development Courses

<http://www.wcs.org/teachers/online-professional-development.aspx>

Classes include:

- *Habitat Ecology for Education*
Fall Session: October 30 – December 18, 2009
Summer 2010 Session: July 9 – Aug. 27, 2010
- *Conservation Biology for Educators*
Winter Session: January 22 – March 12, 2010
- *Predators: Biology and Conservation*
Spring Session: April 2 – May 21, 2010
- *Marine Biology for Elementary Educators*
Winter Session: January 22 – March 12, 2010
- *Conservation Communication*
Spring Session: April 2 – May 21, 2010
- *Energy, Climate and Wildlife Connections*
Fall Session: September 11 – October 30, 2009
Spring Session: April 2 – May 21, 2010
- *Fundamentals of Environmental Education*
Summer Session: June 25 – September 3, 2010



Great Grants & Cool Contests *continued from page 2*



FEDCO teacher grants provide up to \$500 per teacher for hands-on classroom or field trip projects that help bring “learning to life.” Teachers may collaborate and submit a joint application with a total sum of no more than \$2,000 per school. Priority is given to schools that serve children with a low socio-economic status and/or low academic scores.

Lowe’s Toolbox for Education Grant Program

Deadline: October 16, 2009, or when 1500 applications have been received

<http://www.toolboxforeducation.com/>

Lowe’s Charitable and Educational Foundation (LCEF) offers this grant program to schools to help them succeed on a school project. This year, we challenge ourselves to seek ways to provide the tools that help our educators and parent groups through these challenging times efficiently and with the greatest impact. In 2009, basic needs will take priority. Please keep this focus in mind as you apply for the 2009-2010 academic year.

Healthy Sprouts Awards

Deadline: October 17, 2009

<http://www.kidsgardening.com/healthysprouts.asp>

Research supports the connection between kids' food gardens and improved nutrition. To encourage the growth of these health-focused youth gardens, National Gardening Association recognizes outstanding programs through the Healthy Sprouts Awards, sponsored by Gardener's Supply Company. These awards support school and youth garden programs that teach about nutrition and the issue of hunger in the United States. Schools or organizations applying must plan to garden in 2010 with at least 15 children (ages 3-18).

AeroGrow Growing Kids Award

Deadline: October 24, 2009

<http://www.kidsgardening.org/grants/growingkids.asp>

The AeroGrow Growing Kids Award is open to K-6 classrooms in the United States with a minimum of 15 students who plan to use indoor gardens to teach nutrition and life science. Each winning program will receive an AeroGarden Classic valued at \$150 and an AeroGrow Salad Greens Seed Kit.

PLT Greenworks! Service-Learning Grants

Deadline for proposals: October 31, 2009

http://www.plt.org/cms/pages/21_22_21.html

GreenWorks! grants engage Project Learning Tree educators and their students with their local community in “learning-by-doing” environmental projects. Student leadership, service-learning, and community participation are the cornerstones of GreenWorks! projects. These grassroots action projects enable schools and youth organizations across the country to make a positive impact on their communities. Two awards categories are available:

\$250 - \$1,000 GreenWorks! Grants and
\$1,001 - \$5,000 GreenWorks! Grants

HSBC - North America Grants Available

http://www.hsbcusa.com/corporateresponsibility/contributions_grants/application_guidelines.html

Deadline: November 1, 2009

HSBC provides grants to schools and non-profit organizations in the areas of education and the environment.

2010 Youth Garden Grants Program

<http://www.kidsgardening.com/YGG.asp>

Deadline: November 2, 2009

National Gardening Association (NGA) and The Home Depot award Youth Garden Grants to schools and community organizations with child-centered garden programs. In evaluating grant applications, priority will be given to programs that emphasize one or more of these elements:

- educational focus or curricular/program integration
- nutrition or plant-to-food connections
- environmental awareness/education
- entrepreneurship
- social aspects of gardening such as leadership development, team building, community support, or service-learning.

Applicants must plan to garden in 2010 with at least 15 children (ages 3 – 18 yrs).

Hidden Question

Simply contact me and let me know what you’re looking forward to this academic year!

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Great Grants & Cool Contests

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Target Field Trip Grants Program

<http://sites.target.com/site/en/company/page.jsp?contentId=WCMP04-031880>

Deadline: November 3, 2009

As part of the Target commitment to supporting education, Target Field Trip Grants program will award 5,000 grants of up to \$800 each to U.S. educators to fund a field trip for their students. Target Field Trip Grants may be used to fund trips ranging from visits to art museums and environmental projects to cultural events and civic experiences.

Education professionals who are at least 18 years old and employed by an accredited K-12 public, private or charter school in the United States that maintains a 501(c)(3) or 509(a)(1) tax-exempt status are eligible to apply.

Disney's Planet Challenge

Registration Closes December 18, 2009

Portfolio Deadline: February 26, 2010

<http://www.Disney.com/planetchallenge>

Disney's Planet Challenge is a project-based environmental competition for fourth through sixth grade classrooms. The cross-curricular program empowers classrooms to make a difference in their homes, schools, and communities and prompts students to think and act responsibly toward the environment while fostering teamwork, problem solving skills, and lifetime love for learning.

The grand prize-winning classroom will win a three-day trip to the Disneyland® Resort May 6-8, 2010, a chance to meet a Disney Channel star, and the class and its winning project may be featured on the Disney Channel. Up to 55 classrooms will win additional prizes, including \$1,000 - \$2,500 grants, Disney DVDs, student eco-friendly prize packs and more. Prizes from NSTA include a one-year membership to the teacher/coach of each winning team, and an expense-paid trip to NSTA's 2011 National Conference on Science Education in San Francisco for the grand prize-winning teacher/coach where he or she will be recognized at a special banquet and awards ceremony.



California Coastal Art and Poetry Contest

Postmark Deadline: January 30, 2010

For information, e-mail coast4u@coastal.ca.gov or call 800-Coast-4U.

<http://www.coastal.ca.gov/publiced/poster/poster.html>

The California Coastal Commission invites California students in kindergarten through 12th grade to submit artwork or poetry with a California coastal or marine theme to the annual contest. Up to eight winners will be selected to win \$100 gift certificates to an art supply or book store, and each winner's sponsoring teacher will receive a \$40 gift certificate for educational supplies. Winners and honorable mentions will also receive tickets to the Aquarium of the Pacific in Long Beach. Students may have their work featured on Commission web pages and materials. Submissions become the property of the California Coastal Commission.

Imagine Life Without Water: Student Contest

Presented by Orange County Department of Education

<http://win.ocde.us/home.htm> (*details to be posted at the beginning of October*)

Deadline: March 15, 2010

Open to Orange County students grades K - 12. Students in grades K - 12 attending school in Orange County, CA can enter this contest to create innovative water conservation solutions. Prizes for teachers and students. Entries can be an individual or team of up to 4 individuals.

Tucker Wildlife Sanctuary Field Trip Bus Scholarship

[http://www.creec.org/region9b/stories/storyReader\\$407](http://www.creec.org/region9b/stories/storyReader$407)

Tucker Wildlife Sanctuary offers K-12 teachers an exciting way to ignite the interest of their students in the environment. Hikes and activities provide cross-curricular lessons in science, art and culture, and language arts. Each tour lasts approximately two hours. Topics include: Our Native Habitats, Flora and Fauna of the Santa Ana Mountains, Native American Uses of the Natural Resources, and Nature Observations.

Program Fees are only \$6 per student.

Tucker Wildlife Sanctuary is making a limited amount of funding available to assist with busing costs for school field trips to Tucker. Applicants must have 50% of students enrolled in free and reduced price lunch program.





Rad Resources



Earth Science Week: “Understanding Climate” October 11 – 17, 2009

<http://www.earthsciweek.org/materials/>
The American Geological Institute (AGI), in conjunction with Earth Science Week 2009 released a new toolkit that enables students, educators and the general public to fully explore this year’s theme. The toolkits are available for the cost of shipping and handling (\$6.95 in the United States). Visit the website for lessons, information, and materials. A few student contests are also explained on the website. No Child Left Inside resources are available at <http://www.earthsciweek.org/ncli/>

Sally Ride’s Climate Change Classroom Set http://www.sallyridescience.com/for_educators/classroom_sets/climate

Order two or more Classroom Sets by Sept. 30 and save 15%. Call for details - 800-561-5161
These unique readers fuel a student’s natural curiosity through cutting-edge science and real-world examples that demonstrate the many faces and backgrounds of today’s renowned scientists. Readers include: Climate Change Classroom Set, Earth’s Precious Resources Classroom Set, and Science Careers Classroom Set.

Catch the Science Bug

<http://www.sciencebug.org/>
This new educational science Web site offers a variety of science activities that increase science literacy, raise environmental awareness, and introduce different careers in the sciences. The site also provides the user with video clips from the PBS Rhode Island television series, interactive online activities, and downloadable instructions and data collection sheets for hands-on activities.

Coastal Commission’s Kindergarten Activities

http://www.coastal.ca.gov/publiced/directory/global_k.html
Two activities introduce the topics of global warming (*The Earth has a Fever!*) and the origin of our drinking water (*Our Melting Ice Cube*) with tips on how students and their families can help protect the earth. The lessons are described on the webpage and fully downloadable as PDFs.

Science: It’s a Girl Thing

<http://www.edequity.org/sigt/>
This is an early childhood science program designed for parents and children to do together at home.

OC-CREEC Website Highlights

The Orange County CREEC website is full of great information and resources!

<http://www.creec.org/region9b/>

From Orange County’s home page, you can access the following using the navigation bar on the left:

Calendar - Find out what’s going on in O.C.! These programs may be suitable for your students, your own professional growth, or your families and the general public.

Newsletters - Current and archived newsletters.

Workshops and Classes and Conferences and Symposia can be accessed through “For Teachers” and “For Providers.” Both of these web pages have information on local, national, and on-line programs that may be valuable to Educators.

Funding Opportunities & Student Contests include grant information and contests for your students.

Resource Directory: This searchable database, with 3,000+ records, will help you find curriculum, field trips, teacher kits, and much more!



2009 California Science Education Conference in Palm Springs October 22 - 25, 2009

http://www.cascience.org/csta/conf_home09.asp

The conference qualifies for HOUSSE credit and for NCLB Title II funding.

The California Science Education Conference is the premier annual professional development event for science teachers and educators. The event draws, on average, 2,300 science teachers from across California every year.

Conference events address all areas of science education, including life science, earth/space science, physical science, environmental science, literacy, English language development, and assessment.

Scholarships to attend the CSTA Conference:

Application Deadline October 9, 2009

http://www.cascience.org/csta/conf_registrationScholarship.asp



Provider Perspectives

This section of the newsletter is specifically for naturalists, docents, interpreters, and any other staff of Environmental Education and Science Education Providers.

Docent Days at the Audubon San Joaquin Wildlife Sanctuary Save the Date! October 17, 2009

Details will be posted on <http://www.creec.org/region9b> once they become available.

Water Innovation Now (WIN) Contest Kick-Off October 17, 2009; 10:00 a.m. – 1:00 p.m.

A message from Denise Antrim, Science Coordinator at Orange County Department of Education: We will be having booths, displays and presentations by numerous environmental, sporting, educational groups, etc. The event will be from 10-1 with time on either end for set-up and take-down. If you would like to be a Presenter or Exhibitor at this event, sign up at <http://win.ocde.us/Home.htm>

Education and the Environment Initiative

The EEI curriculum has undergone a rigorous review by Content Review Experts and Instructional Materials Reviewers approved by the State Board of Education. The Report of Findings will be reviewed by the Curriculum Development & Supplemental Materials Commission. The Curriculum Commission will submit its recommendations to the Secretaries of the California Environmental Protection Agency and the California Natural Resources Agency. The Secretaries will then submit the materials to the State Board of Education for approval in January 2010. To review any of the units, visit the EEI website at <http://www.calepa.ca.gov/Education/EEI/default.htm>

Whale Tail Grants Program

Postmark Deadline: November 16, 2009

<http://www.coastal.ca.gov/publiced/plate/plgrant.html>

The WHALE TAIL® Grants Program distributes funds from sales of the WHALE TAIL® License Plate. The grants support programs that teach California's children and the general public to value and take action to improve the health of the state's marine and coastal resources. Adopt-A-Beach programs, as well as other beach maintenance and coastal habitat restoration projects that have an educational component, are also eligible for these grants.

Categories of Grants: The WHALE TAIL® Grants Program funds projects that fall into any one of the following three categories: 1) Adopt-A-Beach programs; 2) Youth programs; 3) Programs for the general public.

This grants program focuses on reaching communities that are currently poorly served in terms of marine and coastal education. Available Funding: A total of \$352,000 will be distributed. Applicants may request any amount up to \$50,000, and 25-50% of the funding will be allocated in small grants under \$10,000. Applicants must be either a non-profit organization or a governmental entity.

Life on the Edge Symposium

October 2 – 5, 2009; 9:00 a.m. – 5:00 p.m.

Location: Festival of Arts Forum Theater at the Festival of Arts Grounds, Laguna Beach

http://endangeredplanet.net/1E1D_Sym1.html

“Life on the Edge” features renowned guest speakers (including Former UN Ambassador Anwarul Chowdhury and National Geographic EcoAmbassador Christ Jordan), panel discussions on topics ranging from sustainable building design to innovations in fuel cell technology, film screenings (including the 11th Hour and Pangea Day), and more.

Help Me Help You Publicize Your Information!

Email me at HdelaMaza@ocde.us with upcoming events, teacher training opportunities, grants, or other valuable information so I can include it on the website and in the newsletter.

Please submit your calendar events to OC-CREEC's online calendar, accessible at

<http://www.creec.org/region9b> Simply click on “Calendar” to the left in the navigation bar. Underneath the mini calendar on the top right of the page, you will see a link that reads, “add an event.” Click on that and then fill out the form. Thank you for your support! Many hands make light work.



Exciting Environmental / Science Education Events: Highlights

For School Programs, visit the "Resource Directory" at <http://www.creec.org/region9b/>
Visit the "Calendar" section of the website for many more local opportunities.

Fall Nature Walk at The Donna O'Neill Land Conservancy

September 27, 8:30 a.m. – 11:00 a.m.

Donation: \$10.00/adult; \$5.00/child (6-18 yrs.)

Free for members

<http://www.theconservancy.org>

Enjoy Nature's gorgeous Fall hues! Join guest naturalist Lois Taylor for a seasonal exploration of The Conservancy. Learn more about Southern California's longest "season" of the year-- Summer Drought--as you explore the many interesting water-saving adaptations of our local wildlife.

One Earth, One Dream EcoFest 2009

October 3, 11:00 a.m. – 9:00 p.m.

October 4, 10:00 a.m. – 5:00 p.m.

Location: Lumberyard Mall, 384 Forest Ave., Laguna Beach 92651

<http://www.Static.kern.org/gems/region9b/ecofest09.jpg>

Kids activities: October 3, Saturday

1-3 p.m.: Dream Catchers and Survival Skills

1-3 p.m.: Tree Art Project

1-3 p.m.: Recycled Art and "There is No Away" lecture inspired by Julia Hill Butterfly's work

3-5 p.m.: Global Vision Boards

3-5 p.m.: Plant Your Own Home Veg. Garden

Kids activities: October 4, Sunday

10-12 p.m.: Garden Crafts

10-12 p.m.: Solar Exploration

12-2 p.m.: Plant Your Own Home Veg. Garden

12-2 p.m.: Survival Skills

12-2 p.m.: Reduce Your Carbon Footprint

2-4 p.m.: Recycled Art "There is No Away"

2-4 p.m.: Tracking Endangered Animals

Weekends at the Nix Nature Center: Hawks, Owls and Falcons

October 3, 1:00 p.m. – 4:00 p.m.

RSVP: 949-923-2235

<http://www.lagunacanyon.org>

Get a close look at live hawks, owls and falcons from the Orange County Bird of Prey Center. Learn to identify raptors in flight. Dissect an owl pellet. Learn how owls fly so silently, and discover other raptor survival secrets. Free event. Parking: \$3.

Sea Tales at Newport Harbor Nautical Museum October 7, 2009; 9:45 a.m. – 11:00 a.m.

RSVP: Traci De La Torre; traci@nhnm.org
949-675-8915

<http://www.nhnm.org/>

Join us for stories, crafts, touch tank and music geared for pre-schoolers (ages 2 - 5). Each month's theme is designed to introduce kids to a variety of marine topics.

Science at the Santa Ana Zoo, Chemistry – it's Elemental!

October 11; 10:00 a.m. – 3:00 p.m.

http://membership.acs.org/o/orange_county/NCW09.htm

College students from all over the southland will be at the zoo to assist kids with hands-on science experiments.

Rudy's Radical Science Show: 12:30 p.m.

Fall Faire & Pumpkin Patch at ENC

October 18; 10:00 AM - 3:00 PM

Location: 1601 16th Street, Newport Beach 92663

<http://www.encenter.org>

Join us for an ENC annual tradition! Enjoy live music, food, crafts, games, a silent auction and an opportunity drawing. Pick out your favorite pumpkin, buy native plants, and explore the Center on a scavenger hunt. No reservations necessary.

Inside the Outdoors' Community Nature Day

October 19; 10:00 a.m. – 2:00 p.m.

Location: Rancho Soñado (off Santiago Cnyn)

RSVP: 714-708-3885

<http://www.insidetheoutdoors.org>

Day will include: activities for all ages, live animals, interpretive hikes, and eco-friendly vendors and crafts. Free event!

Family Nature Workshops at Starr Ranch

November 7; 9:00 a.m. – 1:00 p.m.

RSVP Required: 949-858-0131

<http://www.starr-ranch.org>

Audubon's 4000-acre Starr Ranch invites you to enjoy nature walks and programs on cougars, bats, spiders, hawks, and more. Free event!

Irvine Ranch Conservancy Activities

<http://www.irvineranchconservancy.org/getting/activities.aspx>

Ocean Institute Public Events

<http://www.ocean-institute.org/>

