



# Orange County CREEC

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

Volume 3, Issue 6

January 2006

## Hidden Question

Congratulations to Tran Quach, the December CREEC newsletter hidden question winner. Tran is currently working as a substitute teacher. Thanks to all of you who participated!

Embedded within the text of this newsletter, there is a hidden question. The first educator (classroom or nonformal) who contacts Helen at 714-708-3889 or [HdelaMaza@ocde.us](mailto:HdelaMaza@ocde.us) with an answer to the hidden question **will receive Explorabook: A Kids' Science Museum in a Book.** This 100-page book includes activities in magnetism, light waves, illusions, biology, chemistry, physics, and more! Other respondents will receive a token of appreciation as well!

Thanks for playing! ❁



## Coordinator Communications: Recommended Reading

Start your 2006 year by being inspired and motivated by Richard Louv's book *Last Child in the Woods: Saving Our Children from Nature-Deficit Disorder*. It is available at Acorn Naturalists in Tustin, online at <http://www.acornnaturalists.com> as well as through other booksellers.

Richard Louv is the founder of Connect for Kids, the largest child-advocacy site on the Internet, is an advisor to several organizations including the National Scientific Council on the Developing Child, and writes a regular column for the San Diego Union-Tribune.

The book jacket reads, "Nature-deficit disorder is not a medical condition; it is a description of the human costs of alienation from nature. This alienation damages children and shapes adults, families, and communities. *Last Child in the Woods* is the first book to bring together cutting-edge research showing that direct exposure to nature is essential for healthy childhood development - physical, emotional, and spiritual. What's more, nature is a potent therapy for depression, obesity, and ADD."

Enjoy curling up with this fantastic book! -Helen ❁

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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** and OCDE's *Inside the Outdoors* (<http://www.insidetheoutdoors.org>).

The information included is compiled from a variety of sources, including NSTA Express, EE-NEWS@NAAEE, CREEC, Information Exchange for Marine Educators, Energenius, Project Learning Tree, GLEF Edutopia News, and others.

## Training Time!

*See the website for more opportunities!*

### **Saturday Photoshop for Teachers at the Discovery Science Center**

**January 14, 2006; 9:00 AM - 12:00 PM**

Fee \$30

Call 714-542-2823, ext. 5153 or go to

<http://www.digilab.org>

### **Middle School Science Symposium**

**January 21, 2006; 8:30 AM - 3:00 PM**

**Location:** Chapman University in Orange

**Who:** Middle School Physical Science Teachers, District Science Coordinators, Curriculum Directors, and College and University Educators

Sponsored by Science@OC (a part of the California Science Center) and Chapman University

**What:** Professional Development, through interactive sessions, facilitated by master teachers on Physical Science content to emphasize exemplary inquiry-centered science curriculum programs.

**Keynote:** "From Consumers to Producers: Promoting Transformational Science Education in the Middle Grades" by Roxanne Greitz Miller, Ed.D., Science Scope contributing editor and Chapman University Assistant Professor.

**Information/Registration:** To download a registration form, go to the "Training" section on the OC-CREEC website at <http://www.creec.org/region9b/> or contact Sue Neuen (714-777-6804) for more information.

### **California 4-H Wildlife Habitat Evaluation Program Training**

**February 10 - 12, 2006**

**Location:** Camp Ocean Pines, Cambria, CA

**Cost:** \$200 per person (includes lodging and meals)

**Invitees:** Anyone interested in environmental education, stewardship, and wildlife management.

**Registration and Fee due:** January 15, 2006

**Contact information:** Mary Engebreth, 707-996-2981 [maryengebret@comcast.net](mailto:maryengebret@comcast.net)

#### **The weekend will include:**

- Introduction of CAL WHEP Concepts and Activities Guide
- Project WILD, WILD Aquatic, and Project Learning Tree (PLT) basic trainings
- Networking with people from throughout California
- Participating in a great environmental learning and growth experience in a beautiful setting

*(continued on page 5)*

## Great Grants & Cool Contests

### **Disney Minnie Grants**

**Applicants:** Youth (ages 5-14), teachers, schools or organizations

[http://www.ysa.org/awards/award\\_grant.cfm](http://www.ysa.org/awards/award_grant.cfm) or e-mail [MinnieGrant@ysa.org](mailto:MinnieGrant@ysa.org)

**Deadline: January 13, 2006**

Youth Service America and Disney are offering the Disney Minnie Grants for youth across the globe. The grants of \$500 are for youth, or for the teachers, schools and organizations that engage them, to implement community service projects on National & Global Youth Service Day, April 21-23.

### **Young Epidemiology Scholars Research Project Competition**

<http://www.collegeboard.com/yes/>

**Deadline: February 1, 2006**

Epidemiology is the science of exploring patterns of disease, illness and injury within populations, with the goal of developing methods for prevention, control and treatment of the problem. Substantial scholarships are awarded to winners.

### **Christopher Columbus Awards Program**

For students in grades 6-8

**Deadline: February 13, 2006**

<http://www.christophercolumbusawards.com>

This annual award is sponsored by the Christopher Columbus Fellowship Foundation in cooperation with the National Science Foundation. With the help of an adult coach, students in grades 6-8 work in teams to identify a community issue and use science and technology to develop an innovative solution.

### **River of Words Art and Poetry Contest**

**Applicants:** Ages 5-19

<http://www.riverofwords.org/contest/index.html>

**Deadline: February 15, 2006**

Each year, in affiliation with The Library of Congress Center for the Book, River of Words conducts a free international poetry and art contest for youth on the theme of watersheds. The contest is designed to help youth explore the natural and cultural history of the place they live, and to express, through poetry and art, what they discover.

### **Igniting Creative Energy National Student Challenge; for students in K-12**

<http://www.ignitingcreativeenergy.org/index1.html>

**Deadline: February 18, 2006**

The Igniting Creative Energy Challenge is an educational competition designed to encourage

*(continued on page 4)*

## Rad Resources

### **2005 California Standards Test Questions Released and Available on CDE Website**

<http://www.cde.ca.gov/ta/tg/sr/css05rtq.asp>

Use these released test questions to help you understand how students will be tested on the standards. Visit the website for access to 2003, 2004 and 2005 CST Released Test Questions.

### **Jiminy Cricket Environmental Challenge: Message Board**

<http://www.jceckids.org> under the "Forum" tab

The JCEC staff have created a message board where teachers from all of the different JCEC regions can share stories, ask questions, and provide feedback to each other while they complete the Challenge. All teachers are welcome to stop by to find out more about how they can bring environmental education in to their classrooms.

### **Newly Revised Guidebook: Kids as Planners: A Guide to Strengthening Students, Schools and Communities through Service-Learning**

[http://www.kidsconsortium.org/books\\_newsletters.html](http://www.kidsconsortium.org/books_newsletters.html)

This revised guidebook provides teachers, school administrators, students and community partners with a process for designing, implementing and evaluating a service-learning project. It demonstrates how service-learning can effectively meet many educational reform objectives: standards-based learning, character education and school-to-career initiatives. Including reproducible examples, tools and strategies, Kids As Planners is a resource to help schools advance educational goals while deepening the relationship between students and their communities.

### **Information Exchange for Marine Educators**

The monthly e-newsletter, the *Information Exchange for Marine Educators*, includes information about educational programs and activities, professional development opportunities and funding resources of interest to coastal and marine educators. Its goal is to share information pertinent to the marine educator community. To subscribe to this distribution list, send a blank message to [requests@willamette.nos.noaa.gov](mailto:requests@willamette.nos.noaa.gov) with "subscribe infoexchange" in the subject field. You can read the current newsletter and look through the archives at "InfoExchange"

[http://www.mpa.gov/information\\_tools/education.html#InfoExchange](http://www.mpa.gov/information_tools/education.html#InfoExchange)

### **What's Growin' On? California Agriculture**

Grade level: 4-8

Request at: <http://www.cfaitc.org/wgo/request/>

Teachers, request your free class set of the new edition of What's Growin' On? student newspaper. Topics include edible plant parts, weather, ancient civilizations, horticulture, avocados and more. Activities incorporate Content Standards for California Public Schools.

### **AmphibiaWeb**

<http://elib.cs.berkeley.edu/aw/index.html>

AmphibiaWeb is an online system created in conjunction with the Digital Library Project at the University of California, Berkeley, enabling search and retrieval of information relating to amphibian biology and conservation. The website offers general background information about amphibians, species vulnerability, links to additional websites, and more.

### **Cool Science**

<http://www.netl.doe.gov/coolscience/teach.html#LESSONPLANS>

The National Energy Technology Laboratory's Cool Science website offers lessons and experiments on a range of energy-related topics including carbon dioxide sequestration, phytoremediation, environmental management, and more.

### **Biodiversity and Conservation**

<http://darwin.bio.uci.edu/~sustain/bio65/Titlepage.htm>

This book is by Peter J. Bryant of the School of Biological Sciences at UCI. It covers the origin, nature and value of biological diversity, threats to its continued existence, and approaches to preserving what is left. The book itself is on-line, and most of the links leave the book in order to take advantage of documents produced and updated elsewhere.

### **Recycle Your Old Cell Phone**

<http://www.call2recycle.org>

Call 1-877-2-RECYCLE for the center nearest you. Take your old cell phones to a collection center near you to keep them out of the landfills. The phones will be refurbished or recycled, and a portion of the proceeds will be donated to select charities. ♻️



## Great Grants and Cool Contests *(continued from page 2)*

students to learn more about energy and the environment. Students may express their ideas in the form of science projects, essays, stories, artwork, photographs, music, video or Web site projects. They may also submit recent service projects or results from Energy Patrol activities.

### **Learn and Serve America Grants**

**Applicants:** School-based, community-based and higher education programs

**Deadlines:** **February 28, 2006** for higher education  
**March 7, 2006** for school- and community-based programs

[http://www.learnandserve.gov/for\\_organizations/funding/nofa.asp](http://www.learnandserve.gov/for_organizations/funding/nofa.asp)

The Corporation for National and Community Service announces its 2006 Learn and Serve America grant competition to support high quality service-learning projects that engage students in community service projects linked to academic studies. The funding is for the 2006-2007 school year, with possible continued funding for two more years. This competition is particularly focused on ensuring that more youth in disadvantaged circumstances are able to engage in service-learning and on expanding the use of service-learning to more schools, colleges and community organizations. Funds are available to intermediary organizations and may be used to create curriculum materials; support training and technical assistance activities; and make subgrants to local partnerships to carry out service-learning.

### **The Education Foundation for Orange County Schools**

<http://www.octfcu.org/effocs/criteria.asp>

For information, call 714-258-4363 or email [educationfoundation@octfcu.org](mailto:educationfoundation@octfcu.org)

**Deadline: February 28, 2006**

This non-profit organization was established by the Orange County Teachers Federal Credit Union (OCTFCU) and the Orange County Department of Education. It provides grants to Orange County teachers of core curriculum programs in both public and private Orange County schools, kindergarten through community college. All K-14, public and private school teachers in Orange County are eligible. Grants will enable teachers to purchase or create materials that inspire students to succeed in vital core subjects such as language arts, math, science, reading, writing, social studies, and technology. The grant money can be used to fund environmental and science education fieldtrips.

### **The Freida J. Riley Teacher Award**

<http://nmoe.org/riley/about.htm>

**Deadline: March 1, 2006**

This award recognizes an American teacher who overcomes adversity or makes a significant sacrifice to positively impact students.

### **California Water Scholar 2006**

**Postmark Deadline: March 15, 2006**

<http://www.wateraware.org>

Scholarships are available to any senior high school or junior college students interested in a career in the water industry who are entering or attending an accredited 4-year college or university in California. Each year the California Water Awareness Campaign grants two scholarship awards in the amount of \$2,500 each. Applicant must be a California resident.

### **A+ For Energy Grant Program**

**Applicants:** K-12 public and private teachers in CA

<http://www.aplusforenergy.com> ph: 714-228-6760

**Deadline: April 7, 2006**

Apply for a grant of \$5,000 or \$10,000 to help you implement an innovative energy program in your classroom or school. Teachers may apply individually, in teams within a school or across multiple schools. Award recipients will also receive classroom materials and a scholarship to attend an energy training conference presented by the National Energy Education Development (NEED) Project.

### **Stewardship Council: Youth Investment Program (for EE Providers)**

[http://www.stewardshipcouncil.org/youth\\_investment/index.htm](http://www.stewardshipcouncil.org/youth_investment/index.htm)

**Deadline: May 1, 2006**

Studies show that young people benefit significantly from compelling and consistent outdoor experiences, whether in urban or wilderness settings. The outdoors uniquely transforms individuals through personal, social, and academic growth. Unfortunately, many underserved youth do not have access to these life-changing experiences. To respond to this need, the Stewardship Council will invest in organizations that seek to improve the lives of underserved youth through greater access to outdoor experiences. The grant awards are expected to total approximately 2.25 million. ❁



## Training Time! (continued from page 2)

### **Educators' Evening of Science at the Discovery Science Center**

**January 31, 2006**

Call 714-542-2823, ext. 5103 or e-mail

[rsvp@discoverycube.org](mailto:rsvp@discoverycube.org)

### **Laboratory Safety Training for Secondary Science Teachers at Chapman University**

**March 11, 2006; 9:00 AM - 12:00 PM**

**Cost:** \$10 per person, includes all materials

**Presented by** NSTA@Chapman University and the Orange County Science Education Association.

**RSVP:** [klunk@chapman.edu](mailto:klunk@chapman.edu) or call 714-628-2831

Come and learn the latest in California code for keeping your students and yourself protected. All participants will receive a comprehensive school safety manual and a certificate of completion of training. This training is strongly recommended for all preservice science teachers, practicing science teachers who have not been safety certified in the last three years, and department chairs.

### **NSTA National Conference on Science Education Anaheim Convention Center**

**April 6 - 9, 2006**

<http://www.nsta.org/anaheimconference>

Attend the largest gathering of science educators for professional development workshops, networking opportunities, browsing the exhibition of science teaching materials, and listening to the high-profile speakers including Jean-Michel Cousteau, son of explorer Jacques Cousteau.

### **Desert Institute Classes at Joshua Tree Nat'l. Park**

#### **Rocks and Minerals of the Mojave**

**March 3; 6:00 PM - 9:00 PM,**

**March 4; 8:00 AM - 5:00 PM, and**

**March 5; 8:00 AM - 4:00 PM**

**Location:** Meet at Oasis Visitor Center, Joshua Tree National Park, Twentynine Palms

**Credit Fee:** \$175; **Noncredit Fee:** \$100

**Hike Level:** Easy

**Instructor:** Bruce Bridenbecker, M.A., Asst. Prof., Physical Science, Copper Mountain College

**For Information or to Register:** Call 760-367-5535 or visit <http://www.joshuatree.org>

This class is an overview of the rocks and minerals of Joshua Tree National Park and the surrounding desert environment. Participants will learn to identify minerals using physical properties, recognize igneous, sedimentary, and metamorphic rocks, and take several field trips.

#### **Flora of Joshua Tree National Park**

**March 25; 8:00 AM - 5:00 PM and**

**March 26; 7:45 AM - 2:00 PM**

**Location:** Meet at Oasis Visitor Center, Joshua Tree National Park, Twentynine Palms

**Credit Fee:** \$175; **Noncredit Fee:** \$100

**Hike Level:** Easy to Moderate

**Instructors:** Allan Schoenherr, Ph.D., Professor, Ecology, Fullerton College and Alan Romsper, M.A., Botanist, Desert Naturalist

**For Information or to Register:** Call 760-367-5535 or visit <http://www.joshuatree.org>

Students will be able to identify most of the major plants, with an emphasis on wildflowers and the currently blooming perennial shrubs of both deserts and understand their adaptive mechanisms that allow them to survive in a desert environment.

#### **Birds of Joshua Tree National Park**

**May 5; 6:00 - 8:00 PM,**

**May 6; 7:30 AM - 4:30 PM, and**

**May 7; 7:00 AM - 12:00 PM**

**Location:** Meet at Black Rock Canyon Visitor Center, Joshua Tree National Park, Yucca Valley

**Credit Fee:** \$150; **Noncredit Fee:** \$100

**Hike Level:** Easy

**Instructor:** Kurt Leuschner, M.S., Wildlife Ecology, Associate Professor, Natural Resources, College of the Desert

**For Information or to Register:** Call 760-367-5535 or visit <http://www.joshuatree.org>

This course teaches students to identify individual species and separate the summer and winter residents from the true migrants. Nesting and feeding habits, inter-relationships with plant life, and other adaptive strategies are discussed.

#### **Edible Plants of the Desert**

**May 13; 9:00 AM - 5:00 PM, 7:00 PM - 9:00 PM**

**May 14; 9:00 AM - 12:00 PM**

**Location:** Meet at Black Rock Canyon Visitor Center, Joshua Tree National Park, Yucca Valley

**Fee:** \$75; **Material Fee:** \$10

**Instructor:** William J. Pink, Native Skills Teacher, Ethnobotanist, Cupeño/Luiseño Indian

**For Information or to Register:** Call 760-367-5535 or visit <http://www.joshuatree.org>

Students will learn to identify various seed, nut, flower, fruit and stalk producing native plants found locally within the California Desert and regionally. Look at these plants in their native habitat and then prepare foods using traditional grinding, leaching, and cooking techniques. ☘

## Provider Perspectives

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

### **Service-Learning Workshop for Providers: March 10, 2006; 9:00 AM - 3:00 PM at O.C. Dept. of Ed.**

Orange County CREEC was awarded a generous grant by the Disneyland Resort Cast Community Fund to provide a service-learning workshop for environmental and science education providers. The cost is \$20 and includes a full day of training on service-learning (what it is, how to implement it into your existing programs, brainstorming of site-specific projects, and more), all materials, and food. Please plan on joining us! Details and a downloadable registration form are available at <http://www.creec.org/region9b/> in the "Providers" section of the website.

### **Santa Ana Zoo at Prentice Park Docent Program Training Begins January 18, 2006**

Docents are trained to handle and present animals used in the Zoo's education programs and will teach school children and families about conservation, endangered species, and ecology. Skills/Qualifications: Teaching experience a plus but not a requirement. Training provided. Must be at least 18 years old to participate. For more information please contact Alison Coviello at 714-647-6568 or [acoviello@ci.santa-ana.ca.us](mailto:acoviello@ci.santa-ana.ca.us) Website: <http://www.santaanazoo.org>

### **Train for a Day, Become a Volunteer at the Muth Interpretive Center: January 28, 9:00 AM - 3:00 PM.**

Become a part of this dynamic estuary! Learn about the habitats and wildlife of the bay during this training session so you can assist with tours, greet and educate visitors and more. Call to register: 949-923-2295.

### **AEOE Call for Presenters; Deadline: January 31, 2006**

The Association for Environmental and Outdoor Education is having a statewide spring conference April 28 - 30, 2006 at Camp Hess Kramer in Malibu, CA and is looking for workshop presenters. If you have a skill, information, or resources you would like to share, please go online to <http://www.aeoe.org> to complete a presenter application, or contact Kris Pamintuan at (909) 744-4484 or [ladykris@fastmail.fm](mailto:ladykris@fastmail.fm) for more information. Presenters receive a 50% discount off the \$125 registration for the conference, which includes 5 meals, 2 nights lodging, 70+ workshops, entertainment, and **keynote speaker Richard Louv!!**

### **The National Association for Interpretation Region 8's Workshop: "Paring Down to the Bedrock: The Poetry of Interpretation" at Red Rock Canyon National Conservation Area; Las Vegas, Nevada.**

**February 18 - 20, 2006**

<http://www.interpnet.com/CalendarEvents.htm>

The job of an Interpreter is to awaken the hearts and minds of the audience to the natural and cultural resources. Join NAI in the desert to hone the craft while we share and learn from each other. Camping at the Red Rock Canyon Campground is available for free. Registration fee is \$140 for nonmembers and \$100 for students if postmarked by 12/31/05 or \$160 nonmember or \$120 for students afterwards. For questions contact Rebecca Farr; 310-858-7272 x. 132; [Rebecca.farr@mrca.ca.gov](mailto:Rebecca.farr@mrca.ca.gov)

### **Project Learning Tree Facilitator Training at the El Dorado Nature Center in Long Beach Friday, March 10 (4:30-9 PM) and Saturday, March 11 (8:30 AM to 3 PM)**

This 12-hour facilitator-training workshop will prepare and certify you to represent the PLT program in your region. Upon completion of the training, you can offer PLT as a professional development workshop for teachers, youth group leaders, natural resource managers, parents and others. *The goal of PLT workshops is to demonstrate to educators how useful the PLT materials and program are in helping integrate environmental education into their program and curriculum as well as meet California's academic grade level standards.*

**To register for this free workshop**, contact Kay Antunez, PLT Coordinator, California Department of Forestry and Fire Protection to request a "PLT Facilitator Training Application."

([Kay.Antunez@fire.ca.gov](mailto:Kay.Antunez@fire.ca.gov), ph.: 916- 653-7958)

### **4-H Community Tree Planting Grants; Deadline: February 1, 2006**

<http://www.fourcouncil.edu/GrantsTreePlanting.aspx>

Organizations that facilitate youth-led local or state community efforts may apply for the grant. Youths must have a lead role in writing the application and implementing the program. A funding match is required. ❁

## Exciting Environmental & Science Education Events: Highlights

### Back Bay Mini Cleanup at Upper Newport Bay. January 21, 8:00 AM - 12:00 AM

Help clean up trash from the Back Bay. Meet at the Back Bay Science Center on Shellmaker Island. For information call 949-640-9956.

### “Science on the Go” at the Upper Newport Bay Muth Interpretive Center

(2301 University Drive, Newport Beach)

January 29, 2006; 1:00 PM - 3:30 PM

Free. \$3 parking fee. Light snack will be provided.

**To Register:** Make your reservations via fax to Maureen Allen at 714-662-7564, or e-mail Sandy Kaszynski at [teacher@kaszynski.com](mailto:teacher@kaszynski.com) Include your name, school district, and number of people in your party.

Teachers, don't leave your family behind! Explore the migration and adaptations of local birds, local ecology, tectonic history, native plants, and more. You can earn professional development hours or college credit; will be available at the door. This event is brought to you by the cooperative efforts of the Orange County Science Educators Association, Orange County Harbor, Beaches and Parks and Orange County Department of Education.

### Children's Water Education Festival

April 4 - 5, 2006; 8:30 AM - 2:30 PM

<http://www.ocwd.com/html/cwef.htm>

Fourth and fifth grade teachers and their students are invited to attend this annual event held at Hidden Valley Park in Irvine. Students will spend the day going to different booths to learn about water concepts, taught by experts from local water agencies, environmental education organizations, businesses, and more. Funding may be available for bus transportation. Contact Lisa Sanchez at 714-378-3323 or [lisasanchez@ocwd.com](mailto:lisasanchez@ocwd.com) for information. ❁



## Provider Highlight: Resource Directory

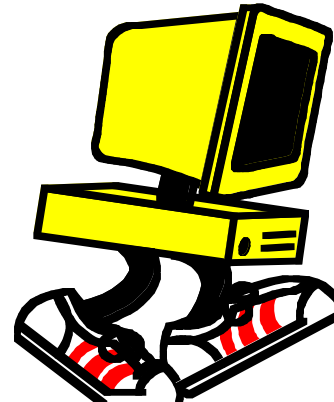
<http://www.creec.org/region9b/>

Looking for curriculum, environmental education resources, or a place to take your students on a field trip or engage them in an environmental education activity at the school? The statewide online CREEC Resource Directory is your solution! You can access the online directory through the Orange County CREEC website at <http://www.creec.org/region9b/> Click the “Resource Directory” navigation button on the left of the screen. Follow the instructions, it is very easy to use! You can limit your search to resources that are available in Orange County, or you can do a search by grade level and type of activity (e.g., field trip, outreach, kit).

If you are not finding what you are looking for, have questions about the resources, or need help using the Directory, please contact Helen de la Maza, the OC-CREEC Coordinator, at 714-708-3889 or [Hdelamaza@ocde.us](mailto:Hdelamaza@ocde.us)

The Resource Directory will be undergoing some revisions in the next several months to improve the search process and results. We would love to hear from you!

**Hidden Question:** For the hidden question, the first person who contacts Helen with feedback on how to improve the Resource Directory accessed through <http://www.creec.org/region9b/> will receive **Explorabook: A Kids' Science Museum in a Book.** Everyone else who participates will also receive a little something to acknowledge their participation and show appreciation for their input and suggestions. ❁



## Exciting Environmental & Science Education Events!

### *Local Event Calendar*

(For a listing by Facility/Provider, go to <http://www.creec.org/region9b/>)

- » **Every first Monday of the Month: Residents of Santa Ana with a valid ID can receive free admission to Discovery Science Center.** Call for details! 714-542-CUBE
- » **Every second Tuesday of the Month: Residents of Santa Ana with a valid ID receive free admission to the Santa Ana Zoo.** Also available are free train rides on the Zoofari Express (11:00 AM - 2:00 PM). For more information, call 714-836-4000 or visit <http://www.santaanazoo.org>
- » **Every Wednesday, 9:00 AM - 11:00 AM: Steward Days at Upper Newport Bay's Shellmaker Island.** Join in to maintain the restoration projects around the Upper Newport Bay. Activities vary each week and may include working in the native plant nursery or watering plants at restoration sites. Gloves, tools, snacks and water are provided. For more information (including directions to the work site) and to register as a volunteer, please contact Matt Yurko at 949-640-0286 or [myurko@coastal.ca.gov](mailto:myurko@coastal.ca.gov)
- » **Saturdays, 8:30 AM: Canoe the Back Bay.** Take a 2-hour, naturalist-guided tour of the Back Bay. The cost is \$10 per person. Call 949-923-2269 to make reservations. (January 7, 14, 21; February 4, 11, 18).
- » **Every Saturday, 10:00 AM: Kayak Tours at Upper Newport Bay.** Meet at the Newport Aquatic Center on Northstar Beach for a 2-hour, naturalist-guided kayak tour of Back Bay. The fee is \$15 per person. Call 949-923-2269 for reservations.
- » **Saturdays and Sundays: The Nature Conservancy has hikes, bike rides, equestrian rides, and more.** A few events are included below. For all their events, go to <http://www.creec.org/region9b/> "Calendar."
- » **Every Saturday and Sunday, 12:00 PM - 12:30 PM and 2:30 PM - 3:00 PM: "Critters for Conservation" Animal Shows at the Santa Ana Zoo.** Come meet some of the zoo's animal ambassadors up close and personal and learn how you can help save endangered species. The show is free with zoo admission. For more information call 714-836-4000 or visit <http://www.santaanazoo.org>
- » **Every Sunday, 10:00 AM: Kayak Tours at Upper Newport Bay.** Meet at the Newport Dunes Resort for a 2-hour, naturalist-guided kayak tour of Back Bay. The fee is \$20 per person. There is also a parking fee. Call 949-729-1150 or 949-729-3863 for reservations.
- » **Every First Saturday of the Month, 9:00 AM - 12:00 PM: Restoration at Shipley Nature Center.** Everyone is invited to participate in planting, weeding, and other restoration activities. Bring a pair of gardening gloves and any gardening tools you have available such as shovel, hoe, or rake. *Please label tools clearly with your name.* Wear sturdy closed toe shoes and clothes you don't mind getting dirty. Call 714-842-4772 or visit <http://www.fsnc.org> for information.
- » **Every First Saturday of the Month, 11:00 AM: Tour of Shipley Nature Center.** Hear descriptions of the Center's planned restoration to its historical native plant habitat with the addition of water conservation gardens. Meet at the front gate to the Shipley Nature Center. Large groups should e-mail [shipleynature@yahoo.com](mailto:shipleynature@yahoo.com) Visit <http://www.fsnc.org> for information.
- » **January: Laguna Coast Wilderness Park.** Call 949-923-2235 for information.
- » **January: Ocean Institute.** Visit <http://www.ocean-institute.org> for information.
- » **January 1 - 8: Science of Snow Stage Show at Discovery Science Center.** <http://www.discoverycube.org> or call 714-542-2823.
- » **January 14 - 16: The Science of Music at Discovery Science Center.** <http://www.discoverycube.org> or call 714-542-2823.
- » **January 1, 9:00 AM - 11:30 AM: New Year's Nature Walk at The Donna O'Neill Land Conservancy.** Celebrate the New Year in the beautiful, peaceful wildlands of Orange County. Start the year in the fresh air with the fragrant scents of native California plants and search for the early signs of wildflowers. Donation: \$8/adult, \$3/child. Call for reservations and directions: 949-489-9778. For information visit <http://www.TheConservancy.org>
- » **January 5, 6:30 PM - 8:30 PM: Monthly Naturalist Meeting at the Muth Interpretive Center.** Join the Naturalists for a presentation related to the Upper Newport Bay. Refreshments area at 6:30 PM and the presentation is at 7:00 PM. Free. For information call 949-923-2269.
- » **January 7, 8:00 AM - 11:30 AM: Distance Hike at Bommer Canyon.** For those who are looking to just

# Exciting Environmental & Science Education Events!

## Local Event Calendar

- get out and hike, this one is for you. Don't miss the great views! Hike distance is a minimum of 8 miles and is designed for advanced hikers. Recommended for ages 16+. To register sign up for #33977 at <http://www.irvineopenspace.org> or call 949-724-6738 for information.
- » **January 7, 9:00 AM: Backcountry Hike at Crystal Cove State Park.** Meet at El Moro Visitor Center (from PCH turn inland at the stoplight "School-State Park."). Day use parking fee is \$10. Call for information: 949-497-7647.
  - » **January 7, 9:00 AM: Walking Tour at Upper Newport Bay.** Join a trained Naturalist for a 2 hour walk along the bay. Bring binoculars and sun protection. Free. No reservations needed Meet at the Back Bay Science Center on Shellmaker Island. Call 949-923-2269 for more information.
  - » **January 7, 9:00 AM – 11:00 AM: Family Nature Walk - Going Birding - at The Donna O'Neill Land Conservancy.** The Conservancy is home to more species of birds than Yosemite National Park. Learn to use binoculars and identify some of our local birds by sight and sound. Donation: \$8/adult, \$3/child. Call for reservations and directions: 949-489-9778. For information visit <http://www.TheConservancy.org>
  - » **January 7, 9:30 AM - 10:30 AM: Junior Gardeners (ages 6-9) at Fullerton Arboretum.** Explore the Children's Garden through storytelling, planting, caring for various garden plots and harvesting too! Parent or grandparent participation welcomed. Saturday Gardening Classes for young people offer a variety of hands-on projects designed to introduce children to gardening and the natural environment. Each class offers new and exciting activities. Attend as many classes as your schedule permits. Reservations are requested for groups of 4 or more by calling 714-278-3579, press 0. Meet in the Children's Garden. Fee is \$3 per child per class.
  - » **January 7, 10:00 AM - 11:00 AM: Migratory Birds of the Canyon at Oak Canyon Nature Center.** Join this guided nature walk with a professional naturalist. Free. Call 714-998-8380 for information and directions.
  - » **January 7, 10:00 AM - 12:00 PM: Deciduous Fruit Tree Workshop at the Fullerton Arboretum.** Learn how to select and care for deciduous fruit trees such as apple, apricot, peach, and plum. You will also get a review on the guidelines for watering, feeding, and soil choices for these plants. For information call 714-278-3579.
  - » **January 8, 9:00 AM: Mostly Plants Hike at Crystal Cove State Park.** Meet at El Moro Visitor Center (from PCH turn inland at the stoplight "School-State Park."). Day use parking fee is \$10. Call for information: 949-497-7647.
  - » **January 8, 1:00 PM - 4:00 PM: Bird Watching for the Complete Novice at the Muth Interpretive Center.** Join us for this introduction to the joy of bird watching. No experience necessary; all birding materials provided. Come prepared to hike. \$4 per person, ages 8 and up. Call 949-923-2275 for registration.
  - » **January 13, 7:00 PM - 9:00 PM: Full Moon Hike at Bommer Canyon.** Experience Bommer Canyon under a moonlit sky. Walk among nocturnal creatures as you learn of their nighttime habits. Hike distance 2 miles. Recommended for ages 10+; moderate difficulty. To register sign up for #33720 at <http://www.irvineopenspace.org> or call 949-724-6738 for information.
  - » **January 14, 8:00 AM – 11:30 AM: Trail Clearing at The Donna O'Neill Land Conservancy.** How often do you get a chance to do important work in beautiful surroundings? You can help us clear the trails while we discover the changes that fall has brought to the local wilderness. Drinks and sandwiches provided. Free. Call for reservations and directions: 949-489-9778. For more information visit <http://www.TheConservancy.org>
  - » **January 14, 8:30 AM - 11:30 AM: Marine Discovery at Upper Newport Bay.** Marine biology students ages 8 and up are invited to participate in a variety of marine life monitoring programs including a beach seine, bottom trawl, and plankton/water quality survey. Anyone under 16 must be accompanied by an adult. Free. Location: Back Bay Science Center at Shellmaker Island. Call 949-640-9956 for reservations and information.
  - » **January 14, starting at 9:00 AM (tours leave every 15 mins.): Friends of Newport Bay Walking Tour.** Walk along the Back Bay listening to Naturalists and visit interpretive stations featuring specialists addressing different natural history topics. Meet at the corner of Eastbluff and Back Bay Drive. Free. No reservations required. Call 949-923-2269 for more information.

## Exciting Environmental & Science Education Events!

### *Local Event Calendar*

- » **January 14, 10:00 AM - 11:00 AM: Plants of the Canyon at Oak Canyon Nature Center.** Join this guided nature walk with a professional naturalist. Free. Call 714-998-8380 for information and directions.
- » **January 14, 10:00 AM: Historic District Walk at Crystal Cove State Park.** Meet at Los Trancos lot near the trailer (from PCH turn inland at the stoplight “Los Trancos”). Day use parking fee is \$10. Call for information: 949-497-7647.
- » **January 14, 11:00 AM: Lecture on the Rancho of Orange County by Doug Westfall at Tree of Life Nursery.** Doug Westfall is a local historic publisher and has studied our local history for over 15 years. Mr. Westfall has spoken internationally and in local libraries and schools, telling fascinating stories of true-life experiences. Several of his published works, including *Ranchos of Orange County*, will be available for purchase. Call Laura Camp at 949-728-0685 for information.
- » **January 14, 11:30 AM: Electric Boat Tour of Upper Newport Bay.** Join a Naturalist on a 2-hour guided tour of the bay on a comfortable electric pontoon boat. The fee is \$10 per person. Meet at the Back Bay Science Center on Shellmaker Island. Call 949-923-2269 to make reservations.
- » **January 14, 2:00 PM: “Basic Bugs” at Upper Newport Bay Interpretive Center.** Join “Dr. Sue, The Bug Lady” and her traveling zoo for a learning experience all about bugs. \$10/child, ages 5 and up. Call 949-923-2275 to register.
- » **January 15, 9:00 AM - 1:00 PM: Gray Whale Sunday at Crystal Cove State Park.** Meet at Los Trancos lot near the trailer (from PCH turn inland at the stoplight “Los Trancos”). Day use parking fee is \$10. Call for information: 949-497-7647.
- » **January 19, 12:00 PM – 1:30 PM: Walk with a Founder, Robert House, at the Environmental Nature Center.** Take a walk with ENC founder, Robert House, and learn about the history of the ENC and the plant communities of California while enjoying the beauty of the Center. Admission is free and there are no fees. Bring a sack lunch. Call 949-645-8489 for reservations.
- » **January 19, 7:30 PM: Chapter Meeting of the Orange County California Native Plant Society.** Meetings are held at the Irvine Ranch Water District headquarters (15600 Sand Canyon Ave., Irvine). Go to <http://www.occnps.org/> for details.
- » **January 21 (call for time): Arboretum Entomologists “Bug Safari” (ages 8+) at Fullerton Arboretum.** Young people participate in a garden adventure, discovering, exploring and investigating the world of insects. Hands-on activities includes observation and catch and release. Class participants will gather in the Children’s Garden to explore for insects of all kinds. Then the group will head off on an exciting exploration of the Arboretum grounds to find more interesting specimens to observe. Parent participation is welcomed. Fee is \$3/child. For group reservations of 4 or more, please call 714-278-3579, press 0.
- » **January 21, 8:00 AM - 12:00 AM: Back Bay Mini Cleanup at Upper Newport Bay.** Help clean up trash from the Back Bay. Meet at the Back Bay Science Center on Shellmaker Island. For information and reservations call 949-640-9956.
- » **January 21, 8:00 AM - 10:00 AM: Cardio Conditioning Hike at Bommer Canyon.** Designed to get your heart pumping, this hike is a fast paced volunteer led trek. Get a great work out while enjoying Irvine’s open space. Hike distance is 5 miles. Recommended for ages 12+. To register sign up for #3373 at <http://www.irvineopenspace.org> or call 949-724-6738 for information.
- » **January 21, 9:00 AM: Geology Walk at Crystal Cove State Park.** Meet at Los Trancos Lot (from PCH turn inland at the stoplight “Los Trancos;” then meet at the trailer). Day use parking fee is \$10. Call for information: 949-497-7647.
- » **January 21, 9:00 AM: Winter Plant Hike at Crystal Cove State Park.** Meet at El Moro Visitor Center (from PCH turn inland at the stoplight “School-State Park.”). Day use parking fee is \$10. Call for information: 949-497-7647.
- » **January 21, 9:00 AM: Walking Tour at Upper Newport Bay.** Join a trained Naturalist for a 2 hour walk along the bay. Bring binoculars and sun protection. Free. No reservations needed Meet at the Back Bay Science Center on Shellmaker Island. Call 949-923-2269 for more information.
- » **January 21, 9:00 AM – 11:30 AM: Weed Warriors Protect Mother and Sister Oak at The Donna O’Neill Land Conservancy.** The two largest and oldest oaks at the Conservancy are plagued by two

# Exciting Environmental & Science Education Events!

## Local Event Calendar

kinds of thistle: milk thistle and Italian thistle. These thistles cover the ground beneath the oaks, stealing precious water and minerals to support their weedy growth habits. Help us remove the thistles - they are small and easy to remove right now. Snacks are provided. Free. Call for reservations and directions: 949-489-9778. For more information visit <http://www.TheConservancy.org>

- » **January 21, 10:00 AM - 12:00 PM: Rose Care and Pruning Workshop at the Fullerton Arboretum.** Learn tips and techniques on how to prune and care for roses to produce both beautiful blooms and a healthy plant. Our resident expert will show you a variety of ways to get the best results in your Rose Garden. For information call 714-278-3579.
- » **January 21, 2:00 AM - 4:30 PM: Gardening for Wildlife Workshop at The Donna O'Neill Land Conservancy.** Native plants can make a world of difference in your garden. Our local butterflies require specific plants for caterpillar food. By adding these plants to your garden, you can watch the life cycle of a butterfly. Birds also use local plants for shelter and food. Join us to learn how to create a garden habitat. Donation: \$8/adult. Call for reservations and directions: 949-489-9778. For more information visit <http://www.TheConservancy.org>
- » **January 21, 6:00 PM - 7:30 PM: Night Hike at the Muth Interpretive Center.** Join us for a night hike and learn about the wonders nighttime brings to our nature preserve. Dress warmly. \$5 per person, ages 5 and up. Call 949-923-2275 for registration.
- » **January 22, 9:00 AM: Backcountry Hike at Crystal Cove State Park.** Meet at El Moro Visitor Center (from PCH turn inland at the stoplight "School-State Park."). Day use parking fee is \$10. Call for information: 949-497-7647.
- » **January 22, 9:00 AM - 12:00 PM: South Ridge Hike at The Donna O'Neill Land Conservancy.** Hike the South Ridge Trail of The Conservancy and see the reserve on a beautiful January morning. Learn about the precious wilderness in orange County and the native plants and animals that live there. Start the day with an invigorating 4 to 5-mile hike. Donation: \$8/adult, \$3/child. Call for reservations and directions: 949-489-9778. For more information visit <http://www.TheConservancy.org>
- » **January 22, 1:00 PM - 4:00 PM: Plein Air Painting for Kids at the Muth Interpretive Center.** Enjoy a wonderful time painting the Back Bay. Jean Marie will demonstrate and present traditional Plein Air techniques. All materials are provided. Bring drinking water. Event fee: \$15/child aged 8-18; \$20/adult. Call 949-923-2275 to register.
- » **January 25, 9:00 AM - 11:00 AM: Mid Week Hike at Bommer Canyon.** Take a break and get some fresh air! Join us on a mid week hike through Bommer Canyon. This hike is for those who just want to get out and hike. Enjoy the views and a little quiet time in Bommer Canyon. Hike distance is 5 miles. Recommended for ages 12+; moderate difficulty. To register sign up for #34018 at <http://www.irvineopenspace.org> or call 949-724-6738 for information.
- » **January 28, 8:00 AM - 10:00 AM: Birding in Bommer Canyon.** Join our volunteer specialists as they point out and describe the variety of birds that frequent Bommer Canyon. Learn how to identify different species through the calls they make and the features they possess. Don't forget your binoculars! Hike distance is 2.5 miles. Recommended for ages 9+; easy. To register sign up for #34034 at <http://www.irvineopenspace.org> or call 949-724-6738 for information.
- » **January 28, 9:00 AM: Plant Identification Hike at Crystal Cove State Park.** Meet at El Moro Visitor Center (from PCH turn inland at the stoplight "School-State Park."). Day use parking fee is \$10. Call for information: 949-497-7647.
- » **January 28, 9:00 AM - 12:00 PM: ROOTS Restoration Teamwork at Upper Newport Bay.** Help restore Back Bay habitat by installing and maintaining native plants while learning about wetland ecology. Reservations required for groups of 5 or more. Refreshments, tools provided. 949-640-0286 for information and location.
- » **January 28, 10:00 AM - 11:00 AM: Trackin' in the Canyon at Oak Canyon Nature Center.** Join this guided nature walk with a professional naturalist. Free. Call 714-998-8380 for information and directions.
- » **January 28, 11:00 AM - 1:30 PM: Mountain Bike Ride at Bommer Canyon.** Join us for a challenging docent led mountain bike ride through the Irvine Open Space Preserve. Ride distance is approximately 10

## Exciting Environmental & Science Education Events!

### Local Event Calendar

miles. Participants must wear a helmet and possess above-average mountain biking skills.

Recommended for ages 16+. To register sign up for #33740 at <http://www.irvineopenspace.org> or call 949-724-6738 for information.

- » **January 28, 6:30 PM – 8:30 PM: Astronomy Night at The Donna O’Neill Land Conservancy.** Learn the beautiful constellations of winter, find out how to locate the North Star, learn to work with a star map, and look through a telescope to discover star clusters, nebulae, and other treats. Donation: \$10/adult, \$6/child. Call for reservations and directions: 949-489-9778. For information visit <http://www.TheConservancy.org>
- » **January 28, 6:30 PM - 8:30 PM: Astronomy Night at the Muth Interpretive Center.** Join members of the O.C. Astronomers for an inspirational tour of the night sky including observation with telescopes. Family program. No fee; suggested donation of \$2 per person. Call 949-923-2275 to register.
- » **January 29, 9:00 AM: Backcountry Hike at Crystal Cove State Park.** Meet at El Moro Visitor Center (from PCH turn inland at the stoplight “School-State Park.”). Day use parking fee is \$10. Call for information: 949-497-7647.
- » **January 29, 2:00 PM: Tidepool Walk at Crystal Cove State Park.** Meet at Pelican Point Parking Lot #2 (from PCH turn coastward at the stoplight “Newport Coast,” then turn right at the kiosk to the first lot on the left). Day use parking fee is \$10. Call for information: 949-497-7647.

### Weekday Toddler/Children’s Programs

#### **Environmental Nature Center** (<http://www.encenter.org>)

1601 16th Street; Newport Beach 92663

Open Monday - Friday, 8:00 AM - 5:00 PM and Saturday, 8:00 AM - 4:00 PM

Call 949-645-8489 for reservations and information.

Programs listed below are for 2 - 5 year olds. Cost is \$5/child. Call for reservations.

- » **January 12, 10:00 AM – 11:00 AM: Little Naturalists - Outrageous Owls.** Join the ENC’s early childhood expert Rainbow Pharaon for this parent and child playtime with an owl theme! We’ll learn all about what makes a bird a bird, and hike through the Center in search of our feathered friends. We’ll stop to read “Owl Babies,” listen to real owl calls, and practice our owl hoots and screeches. Enjoy hands-on fun for 2-5 year olds. Younger siblings are welcome!
- » **January 16, 10:00 AM – 11:00 AM: Little Naturalists - Terrific Trees.** Join the ENC’s early childhood expert Rainbow Pharaon for this parent and child playtime with a tree theme! We’ll learn all about what trees need to grow, and hike through the Center to feel the bark of trees and collect fallen leaves for a leaf rubbing craft. We’ll stop to read “The Lorax,” and plant our own tree seeds to take home. Enjoy hands-on fun for 2-5 year olds. Younger siblings are welcome!
- » **January 26, 10:00 AM – 11:00 AM: Little Naturalists - Exploring Nature Through Our Senses.** Put on your hiking boots for a long hike to the back of the Center with the ENC’s early childhood expert Rainbow Pharaon. We’ll listen for the calls of birds, look for signs of spiders, smell the damp soil beneath our feet, feel the rough bark of trees, and taste the fruits of Nature. We’ll stop to read “The Listening Walk,” then make some 3-D texture art to take home. Enjoy hands-on fun for 2-5 year olds. Younger siblings are welcome!

#### **Oak Canyon Nature Center** (<http://www.anaheim.net/ocnc>)

See *chronological calendar* for family Saturday events.

**Nature Hikes for Tykes.** For ages 2-4, from 10:00 AM - 11:00 AM. \$3/participant.

1/6 Hide and Seek Animals

1/9 Nap Time! (hibernation)

1/17 Whooo do you Hear?

1/25 Textures of Nature

1/31 Winter Wonder Colors

# Exciting Environmental & Science Education Events!

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**Tykes on the Go.** For ages 4-6, from 2:00 PM - 3:00 PM. \$3/participant.

1/4 It's Not Easy Being Green (amphibians)

1/12 FBI Hike (decomposers)

1/20 Nap Time! (hibernation)

1/23 Leaves, Bark, and Seeds, Oh My!

**Canyon Explorers.** For ages 6-9; from 1:00 PM - 2:00 PM. \$4.50/participant.

1/7 It's a Small, Small World (arthropods)

**Art a la Naturelle.** For ages 9-12; from 1:00 PM - 2:30 PM. \$4.50/participant.

1/21 Winter Birds (create a three dimensional bird to hang at home)

**Canyon Trailblazers.** For ages 9-12; from 10:00 AM - 11:30 AM. \$4.50/participant.

1/3 Let's Get Lost! (learn how to survive in nature)

**Roots & Shoots.** Ages 12 and up on Sundays, 1:00 - 2:30 PM. Free.

1/8 "Dig-In" Trash Clean Up

1/15 "Dig-In" Non-Native Plant Removal - Butterfly Garden / Heritage Trail

1/22 "Dig-In" Dry Brush Removal & Trail Maintenance - Tranquility Trail

1/29 "Dig-In" Trash Clean Up - Stream Trail

### Orange County Zoo in Irvine Regional Park

Event fees include admission for the enrolled child and one parent (only one parent can accompany the child). Parking Fee: Irvine Park gate entry is \$3 on weekdays and \$5 on weekends and holidays. Class registration can only be made by phone by contacting Marcy Crede-Booth, Education Coordinator, at 714-973-6846. The cost is \$5 per child. All fee payments are to be made the day of the scheduled class when you arrive at the zoo. Location: Orange County Zoo; 1 Irvine Park Road; Orange 92862.

These classes are for toddlers 3-4 years old:

- » **January 6, 10:00 AM – 11:00 AM: Wild North America** Find out what wild and amazing animals are on this continent! Class includes hands-on learning and fun crafts.
- » **January 12, 10:00 AM – 11:00 AM: Magnificent Mammals.** From tiny furry creatures to big furry ones, you'll learn all about the mammals of the world! Class includes hands-on learning and fun crafts.
- » **January 19, 10:00 AM – 11:00 AM: Creatures in the Cold.** Learn what animals are adapted for living in cold weather - polar bears, penguins, reindeer and more! Class includes hands-on learning and fun crafts.
- » **January 27, 10:00 AM – 11:00 AM: Animal Art.** Join us for an hour of creativity and fun with an animal theme! Come ready to get a little messy. Wear clothes you don't mind getting a little dirty.

**Story Time at the Zoo for All Ages:** The Orange County Zoo invites children of all ages to join us for story time. Come learn more about animals and enjoy storytelling under the oak trees! Event Fee: Free with zoo admission (\$2.00 per person, ages 2 and up). Irvine Park entry fee: \$3.00 weekdays.

- » **January 4, 11:30 AM**
- » **January 10, 11:30 AM**
- » **January 19, 11:30 AM**
- » **January 24, 11:30 AM**
- » **January 28, 1:30 PM**
- » **January 4, 11:30 AM**
- » **January 12, 11:30 AM**
- » **January 20, 11:30 AM**
- » **January 26, 11:30 AM**
- » **January 7, 2:00 PM**
- » **January 17, 11:30 AM**
- » **January 21, 1:30 PM**
- » **January 27, 11:30 AM**

### Muth Interpretive Center (at Upper Newport Bay)

2301 University Drive; Newport Beach. Call 949-923-2275 to register. \$5 per child.

- » **January 4, 10:30 AM - 11:15 AM: Toddler Time "Hungry Animals."** Join a Park Ranger for a parent-child experience with stories, movement and hands-on fun. Learn about the food chain in the Upper Newport Bay.
- » **January 18, 10:30 AM - 11:15 AM: Toddler Time "Whooo's That Owl."** Join a Park Ranger for a parent-child experience with stories, movement and hands-on fun. Learn about the owls that inhabit the Upper Newport Bay.

