



# Orange County CREEC

Volume 2, Issue 2

November 2004

## Coordinator Communications

Thanks to all of you who share these monthly newsletters with your colleagues and help spread the word about CREEC. Visit the website (<http://www.creec.org/region9b/>) frequently to find out about new grants, contests, and opportunities in Orange County. Thanks for the amazing work you do educating students! ☺  
 -Helen de la Maza  
[Hdelamaza@ocde.us](mailto:Hdelamaza@ocde.us); 949-548-0772

## Hidden Question

Embedded within the text of this newsletter, there is a hidden question. The first educator who calls (949-548-0772) or e-mails Helen ([Hdelamaza@ocde.us](mailto:Hdelamaza@ocde.us)) with the correct answer will receive a free *Inside the Outdoors* Traveling Scientist program for up to 40 students (for his/her own school or a school of his/her choice). A Traveling Scientist will bring live animals or science activities to the school and provide a 60-minute hands-on presentation. There are 15 grade-level specific programs to choose from described at <http://www.insidetheoutdoors.org> 5<sup>th</sup> grade teachers may be interested in the new "Drip Drop" program that aligns with the Earth Science Content Standards. Call 949-548-1175 or go online to see which one meets your needs. Good Luck! ☺

## California Assessment Update

(from <http://www.cde.ca.gov>)

On August 16, Governor Schwarzenegger signed legislation reauthorizing the STAR Program through January 1, 2011. The new law, taking effect January 1, 2005, makes the following changes to the program:

- Reauthorizes the program for grades three through eleven through January 1, 2011.
- Reauthorizes grade two testing through January 1, 2008.
- Requires administering the California Achievement Tests, Sixth Edition Survey (CAT/6 Survey) only in grades three and seven beginning in spring 2005.
- Allows grade eleven students to request that their test results be released to post secondary educational institutions.
- Allows schools to prepare students for statewide tests using instructional materials provided by the California Department of Education (CDE), if the instructional materials are embedded in an instructional program that is intended to improve student learning. This allows schools to use the California Standards Test (CST) released questions in accordance with the "Guidelines on Academic Preparation for State Assessments."
- Requires CDE to develop and/or adopt primary language assessments that are aligned to the state academic content standards.

## Grade Eight and Ten Science Field Tests

The spring 2005 CST tests will include field tests for grade eight and ten science tests. The test blueprints are available at

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

Grade ten students who take biology, chemistry, earth science, physics, or one of the four integrated/coordinated science courses between the 2004 summer session and the end of the 2004-05 school year are required to complete the grade ten science field test in addition to taking an end-of-course CST.

For more information contact the CA Dept. of Ed at 916-445-8765 or [STAR@cde.ca.gov](mailto:STAR@cde.ca.gov) ☺

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## Professional Development Opportunities



### Orange County Science Education Association's (OCSEA) Science and Technology Conference at Chapman Univ. November 20; 8 AM - 3:30 PM.

Registration is \$35 (\$20 for student teachers) and includes four workshops and lunch. Workshops topics will include Life, Earth, and Physical Sciences and Pedagogy. For more information or to register, go to <http://www.ocscience.org>

**National Science Teachers Association 2006 National Convention; Anaheim (April 6 - 9, 2006).** Build your resume by presenting at the NSTA National Convention. Proposals are currently being accepted. The deadline for submission is April 15, 2005. Complete instructions, criteria for rating proposals and more are available at <http://www.nsta.org/sessions>

### On-line Courses through the American Museum of Natural History

<http://learn.amnh.org/index.php>  
Each course costs \$445, and graduate credit and continuing education units are available for an additional cost from a number of accrediting institutions. Winter 2005 classes run from January 31 - March 12, 2005.

**The Diversity of Fishes.** What is a fish? This course shows how ichthyologists pursue the evidence through the study of evolution, ecosystems, and biogeography.

**Earth Inside and Out.** How has the Earth evolved? What causes climate and climate change? This course explores the dynamic geological events and systems that have shaped the planet and make it habitable.

**Genetics, Genomics, Genethics.** Learn about the latest research into the genome and the intriguing ethical issues raised by such possibilities as genetic enhancement, genetically modified foods, and cloning.

**Space, Time and Motion.** This course explores the physical laws that govern our universe and how our concepts of how the universe works have changed since ancient times. ❁

## Student Contests and Grants

### 2005 Youth Garden Grant

<http://www.kidsgardening.com/grants.asp#ygg>

**Deadline: Dec. 1, 2004**

The National Gardening Association will award Youth Garden Grants to schools and community organizations with child-centered outdoor garden programs. This year, 200 garden programs will each receive \$250 gift certificates to purchase gardening supplies and tools. Priority will be given to proposals emphasizing

- an educational focus and/or curricular ties
- nutrition or plant-to-food connections
- environmental awareness/education
- entrepreneurship or
- social aspects of gardening such as leadership development, teambuilding, community support, or service-learning.

### Scotts Give Back to Grow Program

<http://www.scotts.com/index.cfm?poeSiteId=10926&partnerId=99999&fuseaction=community/givebacktogrow.home>

**Deadline: Dec. 3, 2004**

Nomination categories are: Classroom Gardener of the Year; Good Neighbor Gardener of the Year; Urban Greenup Gardener of the Year; and Community Beautification Gardener of the Year. The Classroom Gardener of the Year is for elementary through high school teachers who have integrated a school gardening program. Each winner will receive a \$5,000 cash prize and two finalists in each category will receive a \$2,500 cash prize. For more information on the Scotts Give Back to Grow Awards, call 1-800-551-5971 and ask for a *Scotts Give Back to Grow Awards* representative.

### Toyota Tapestry Grants for Science Teachers

<http://www.nsta.org/programs/tapestry/index.htm>

**Deadline: Jan. 19, 2005**

A partnership of Toyota Motor Sales, U.S.A., Inc. and the National Science Teachers Association, the Toyota Tapestry program offers grants to K-12 science teachers for innovative projects that enhance science education in the school and/or school district. Toyota Tapestry grants will be awarded in three categories: Environmental Science Education, Physical Science Application, and Literacy and Science Education. The program awards 50 grants of up to \$10,000 each and a minimum of 20 "mini-grants" of \$2,500 each.

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## Student Contests and Grants

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### ING Unsung Heroes Awards Program

[http://www.ing.com/us/about/connect/education/unsung\\_heroes.html](http://www.ing.com/us/about/connect/education/unsung_heroes.html)

**Deadline: April 30, 2005**

ING financial services organization will award 100 K-12 educators with \$2,000 to help further their projects within their school or school system. Of the 100 finalists, three will be selected for additional financial awards; first place will receive \$25,000; second place will receive \$10,000; and the third place winner will receive \$5,000. Applicants will be notified by October 1, 2005. Contact ING by email: [ing@csfa.org](mailto:ing@csfa.org) or call Scholarship America at (800) 537-4180.

### CAPCO Science Class Challenge

<http://www.nocfes.org/scc/scchome.htm>

**Deadline: May 13, 2005**

This competition is open to full-time teachers and their students in grades 4 - 9. The competition is meant to encourage students and teachers to learn about Earth's protective upper ozone layer, CFCs, and the environment by using provided activities or their own creative methods. Awards range from \$500 to \$5,000 for the winning schools.

To win one free *Inside the Outdoors* Traveling Scientist program for up to 40 students, be the first to call Helen at 949-548-0772 or e-mail [HdelaMaza@ocde.us](mailto:HdelaMaza@ocde.us) with the answer to the following hidden question: What is the biggest barrier you, as a classroom teacher, encounter in taking your students on a field trip? If you are a Program Provider and want to win this for your child's or friend's school, find the URL (<http://www...> etc.) in the CREEC Region 9B Resource Directory for your program. If it is not there or information is incorrect, let me know so your listing can be added or updated. ❁



## Free Resources

### The Water Cycle: USGS Website

<http://ga.water.usgs.gov/edu/watercycle.html>

This new U.S. Geological Survey (USGS) Website about "The Water Cycle" is the most comprehensive discussion of the water cycle anywhere. It features a diagram of the water cycle and an in-depth discussion of each of the 15 topics on the diagram, such as condensation, runoff, storage, springs, flow and more.

### Plan Successful School Garden

<http://www.schoolgardenwizard.org>

The School Garden Wizard is an invaluable resource for educators and volunteers planning a school garden from the ground up. The United States Botanic Garden and the Chicago Botanic Garden together have developed the "Wizard" Web site, which dissects the planning and building of school gardens into five categories: Make the Case, Plan for Success, Create the Garden, Learn in the Garden, and Keep it Growing. The entire resource is downloadable in sections, for a total of 58 pages. An additional Quick Reference section addresses topics like National Science Standards, Cross-Discipline Learning, and A Teacher's Perspective.

### Wonderful World of Weather

[http://www.k12science.org/curriculum/weatherproj/index\\_NEW.html](http://www.k12science.org/curriculum/weatherproj/index_NEW.html)

This website is a real time data module for elementary students to explore weather phenomena locally and globally. Teachers can find many fun classroom activities divided into three sections: introductory activities, real time data activities, and language arts activities related to weather.

### Integrating Language Arts and Science Energy and Environmental Alliance

Fiction and non-fiction book list about environmental issues. Go to <http://eea.freac.fsu.edu/> and click on "Energy in Literature" on the navigation bar on the left.

### California Foundation for Agriculture in the Classroom

Literature with agricultural and environmental themes:

<http://www.cfaitc.org/Bookshelf/Bookshelf.php>



## Exciting Environmental & Science Education Events!

**“Reptiles & Amphibians” by T’Shaka Touré**  
Environmental Nature Center (ENC)  
1601 16<sup>th</sup> Street; Newport Beach 92663  
November 5, 6:00 PM - 7:00 PM  
T’Shaka is an ecologist for United States Geological Society and co-author of *Snake Species of the World*. He will share his knowledge of the reptiles and amphibians of Orange County. The program is appropriate for all ages. Donation is \$3. Call 949-645-8489 for reservations.

**Free Residential Landscaping Classes**  
O.C. Water District; Joint Board Room  
10500 Ellis Avenue; Fountain Valley 92708  
Nov. 6 or Dec. 4, 8:30 AM - 12:30 PM  
This half-day class is offered for free to educate Orange County homeowners on water-efficient landscape design and maintenance practices. RSVP to Beth Fahl at 714-593-5015

**American Cetacean Society Conference:**  
**“Learning from Whales: Education Inspiration, and Action”**  
Queen Mary in Long Beach  
November 12 - 14  
<http://www.acsonline.org/conference/index.html>  
Special program on November 11 for Teachers and Naturalists.

**Native California Plant Sale**  
ENC (see address above)  
Nov. 13, 9:00 AM - 3:00 PM  
This is the ENC's first ever Fall Plant Sale! Come by and purchase beautiful, native, drought tolerant plants that will attract butterflies and birds to your garden. Purchases benefit the ENC. Call 949-645-8489 for information and a list of available species. Sale will proceed rain or shine.

**Native American Plant Uses with Joan Kitchens at the ENC** (see address above)  
Nov. 13, 1:00 - 2:00 PM  
Join naturalist Joan Kitchens in a walk through the Center to discover the ways Native Americans used California native plants for food, medicine, shelter, clothing and tools. This program is especially appropriate for 3<sup>rd</sup> and 4<sup>th</sup> grade students who are studying Native Americans in school. The donation is \$3. Call 949-645-8489 for reservations.

**“Wildlife of Orange County” by Laura Cohen**  
ENC (see address above)  
Nov. 19, 6:00 PM - 7:00 PM  
Laura Cohen, director of the Donna O'Neill Land Conservancy, will share her extensive knowledge of Orange County's wildlife. Learn all about local endangered animals and habitats, and see her spectacular slide show featuring photography by Rick Jackson. This program is appropriate for all ages. The cost is \$3 per person. Call 949-645-8489 for reservations.

**Sally Ride Science Festival**  
University of California, Irvine  
Nov. 20, 10:30 AM - 3:15 PM  
The Festival is for girls in grades 5-8; parents and teachers are also encouraged to attend. The event will feature a keynote by astronaut Sally Ride, Discovery Workshops given by women professionals from veterinarians to rocket scientists, and a Street Fair with booths, exhibits, food, music and a drawing. There is also an adult track of workshops for parents and teachers on topics such as hands-on science and gender equity.

Registration is \$18 in advance (\$25 at the door), and includes all Festival events, lunch, snack and Festival materials. Girls attending the Festival can also join the Sally Ride Science Club (<http://www.SallyRideClub.com>) for a sponsored rate of \$5 for the first year.

Teachers, parents and students can pre-register and find out more about the Festival schedule and workshops either online at <http://www.SallyRideFestivals.com> or by phone at 800.561.5161.

**“The Ancestor’s Tale: A Pilgrimage to the Dawn of Evolution” by Dr. Richard Dawkins**  
Baxter Lecture Hall, Caltech  
1200 East California Blvd.; Pasadena 91125  
Nov. 21, 2:00 PM  
Renowned evolutionary biologist Richard Dawkins presents his most expansive work yet: a comprehensive look at evolution, ranging from the latest developments in the field to his own provocative views.  
<http://www.skeptic.com/lectures.html>



## *Local Event Calendar*

- **Every Wednesday, 9:00 AM - 11:00 AM: Steward Days at Upper Newport Bay's Shellmaker Island.** Collect seeds, propagate plants and support the Bay's unique genetics. Meet at the Exotic Hut on Shellmaker Island. Call 949-640-0286 for more information.
- **Every Saturday, 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.
- **Every Saturday, 10:00 AM - 12:00 PM: Kayak Tours at Upper Newport Bay.** Meet at the Newport Aquatic Center on Northstar Beach for a naturalist-guided kayak tour of Back Bay. The fee is \$15 per person. Call 949-923-2269 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 call ahead of time. Call 714-842-4772 or visit <http://www.fsnc.org> for information.
- **Every Fourth Saturday of the Month, 9:00 AM - 12:00 PM: ROOTS Restoration Teamwork at Upper Newport Bay.** Join ROOTS in the field and help restore Back Bay habitat by planting natives. Volunteers get hands-on experience installing, maintaining and identifying plants while learning about wetland ecology. Meet at the Exotic Hut on Shellmaker Island. Reservations are required for groups of 5 or more. Refreshments and tools provided. Call 949-640-0286 for info.
- **Every Sunday, 10:00 AM - 12:00 PM: Kayak Tours at Upper Newport Bay.** Meet at the Newport Dunes Resort. The fee is \$20 per person (the Dunes also charges a parking fee). Call 949-729-1150 or 800-585-0747 to make reservations.
- **November, 2004: Sea and Sage Audubon Society.** Go to <http://www.seaandsageaudubon.org> for details on the following field trip activities: Nov. 4: Starr Ranch Sanctuary; Nov. 10: Crescent Bay coast in Laguna; Nov. 13: Bolsa Chica; Nov. 15: Seal Beach National Wildlife Refuge; Nov. 18: Mason Regional Park; Dec. 4: Harper Dry Lake Area.
- **November 4, 6:30 PM - 8:30 PM: Monthly Newport Bay Naturalist and Friends Meeting at Shellmaker Island.** Free. For more information call 949-923-2269.
- **November 6, 8:00 AM - 1:00 PM: Get Into It: Bommer Canyon.** Join the Irvine Open Space staff for a docent-led mountain bike ride, guided hike, and crafts for kids. Free. To register sign up for #18338 at <http://www.IrvineQuickReg.org> Call 949-724-6738 for information.
- **November 6, 9:00 AM: Walking Tour of 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 Shellmaker Island. Call 949-923-2269 for more information.
- **November 6, 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.") For info. call 949-497-7647.
- **November 6, 6:30 PM - 8:30 PM: Astronomy Night at the Upper Newport Bay Interpretive Center.** Join members of the Orange County Astronomers for an inspirational tour of the night sky. This program is open to all ages and will include a presentation and observation with telescopes. The suggested donation is \$2.00 per person. Call 949-923-2275 for reservations.
- **November 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.") For info. call 949-497-7647.
- **November 10, 9:00 AM - 12:00 PM: Beginning Plein Art Oil Painting at Upper Newport Bay Interpretive Center.** Learn about the technique of plein air art in a unique natural setting and take home your own painting. Materials are provided. Cost is \$15 per child ages 8 - 18 and \$20 per adult. Call 949-923-2275 to register.
- **November 10, 7:00 PM - 9:00 PM: Southern California Nature Society Meeting at Acorn Naturalists.** Lloyd Sample will talk about "Orange County Fossils." Meetings are held at Acorn Naturalists, 155 El Camino Real; Tustin 92780. Go to <http://www.acornnaturalists.com/store/>

- **November 11, 9:00 AM - 12:00 PM: Family Plein Air Oil Painting at Upper Newport Bay Interpretive Center.** Bring your family and friends and paint out of doors. You'll return home with your completed original oil painting. Materials are provided. Bring a sun hat and drinking water. The cost is \$15 for children 8-18 and \$20 per adult. Call 949-923-2275 to register.
- **November 13, 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. Anyone under 16 must be accompanied by an adult. The fee is \$10 per person. Call the Newport Sea Base 949-642-5031 for reservations. Attention teachers! Groups of 10 or more are free.
- **November 13, 9:00 AM - 10:15 AM: 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. Tours leave every 15 minutes. Free. No reservations required. Call 949-923-2269 for more information.
- **November 13, 9:00 AM - 12:00 PM: Intermediate Plein Air Oil Painting at Upper Newport Bay Interpretive Center.** Continue refining your plein air painting skills and take home your own painting. Materials are provided. Bring a sun hat and drinking water. The cost is \$20 per person. Call 949-923-2275 to register.
- **November 13, 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.") PH: 949-497-7647.
- **November 13, 10:00 AM: Historic District Walk at Crystal Cove State Park.** Take a tour through the historic beach homes. Meet at Los Trancos parking lot at the trailer (PCH turn inland at stoplight "Los Trancos.") For information call 949-497-7647.
- **November 13, 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 Shellmaker Island. Call 949-923-2269 to make reservations.
- **November 13, 3:00 PM: Tidepool Walk at Crystal Cove State Park.** Meet at Pelican Point parking lot #2 (from PCH turn coastward at stoplight "Newport Coast.") PH: 949-497-7647.
- **November 14, 8:00 AM - 10:30 PM: Cardio Conditioning Hike at Hicks Canyon.** Get your blood pumping and enjoy the outdoors on this 6 mile hike. Free. To register sign up for #18334 at <http://www.IrvineQuickReg.org> Call 949-724-6738 for information.
- **November 14, 8:00 AM: Monthly Bird Walk at the San Joaquin Wildlife Sanctuary.** Join Chris Obaditch on a walk around the ponds of the Sanctuary. For more information, call Audubon House at 949-261-7963 or visit <http://www.seaandsageaudubon.org>
- **November 14, 1:00 PM: Geology Hike/Drive at Crystal Cove State Park.** Meet at Los Trancos parking lot at the trailer (PCH turn inland at stoplight "Los Trancos.") For info. call 949-497-7647.
- **November 18, 12:00 PM - 1:00 PM: Lunchtime Meditation Walk at the Environmental Nature Center.** Guests will spend their lunchtime with artist and meditation teacher Cynthia Niermann in the peaceful atmosphere of the ENC, practicing guided walking and sitting meditation. The donation is \$5. Call 949-645-8489 for reservations.
- **November 18, 7:30 PM - 9:00 PM: California Native Plant Society - Orange County Chapter General Meeting.** The meeting will be held at the Irvine Ranch Water District Headquarters (15600 Sand Canyon Ave., Irvine). For more information, go to <http://www.ocnps.org>
- **November 19, 7:30 PM - 9:00 PM: Sea and Sage Audubon Chapter General Meeting.** Kathy Molina will present "Black Skimmers in the West: Their Triumphs, Travels, & Troubles." Kathy will focus on the breeding behavior, at the Salton Sea, of this highly gregarious species; she will also discuss their distribution patterns, behavior, and the challenges they face in the future. The meeting will be held at the Irvine Ranch Water District Headquarters (15600 Sand Canyon Ave., Irvine). For more information, go to <http://www.seaandsageaudubon.org>
- **November 20, 8:30 AM: Cigarette Litter Beach Cleanup through the Earth Resource Foundation.** Meet at the Huntington Beach Pier (Pacific Coast Highway and Main Street; Huntington Beach). Registration: 8:30 AM, 9 AM - 11:0 AM: Cleanup; 11:00 AM - 11:30 AM: Wrap up, prizes, tally of cigarette butts. For more information call 949-645-5163 or go to <http://www.earthresource.org/hotybhuntingtonbeach112004.htm>

- **November 20, 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.") PH: 949-497-7647.
- **November 20, 9:00 AM: Walking Tour of Upper Newport Bay.** Join a trained Naturalist for a two hour walk along the bay. Bring binoculars and sun protection. Free. No reservations needed. Meet at Shellmaker Island. Call 949-923-2269 for more information.
- **November 20, 10:00 AM - 11:30 AM: Dr. Sue's Traveling Zoo at Upper Newport Bay Interpretive Center.** Learn about amazing arthropods like spiders, butterflies, centipedes, ants, and beetles. The cost is \$10 per child ages 5 and up. Call 949-923-2275 to register.
- **November 20, 10:00 AM - 11:30 AM: Trail of Beauty at the Environmental Nature Center.** The Trail of Beauty was developed by renowned environmental educator Joseph Cornell. In the program, inspirational quotes are placed along the trail. Guests walk silently along the path, reading and reflecting while feeling inspiration from the natural world. This is an adult only hike. The cost is \$2. Call 949-645-849 for reservations.
- **November 21, 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.") PH: 949-497-7647.
- **November 24, 2:00 PM: Low Tide Tour of the Bay.** Join a Naturalist on a 2-hour guided tour of the bay at low tide on an electric pontoon boat. This is the best time to view the migratory birds at the bay. Meet at Shellmaker Island. The fee is \$10 per person. RSVP to 949-923-2269.
- **November 26, 6:30 PM - 8:00 PM: Full Moon Walk at the Environmental Nature Center.** Come experience the Harvest Moon at the ENC, and celebrate the beginning of Fall. Warm drinks and snacks will be served. The cost is \$2. Call 949-645-8489 for reservations.
- **November 27, 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.") PH: 949-497-7647.
- **November 28, 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.") PH: 949-497-7647.

## **Weekday Toddler/Childrens' Programs**

### **Environmental Nature Center**

- **November 13, 10:00 AM - 11:00 AM: Toddler Time "Coyote Capers!"** Join in for this parent and child playtime with a coyote theme! Enjoy hands-on fun for 3-5 year olds. The cost is \$5 per child. Call 949-645-8489 for reservations.
- **November 23, 3:00 PM - 4:00 PM: Toddler Time "Nature's Gifts."** Join in for this parent and child playtime celebrating Nature's gifts! Enjoy hands-on fun for 3-5 year olds. The cost is \$5 per child. Call 949-645-8489 for reservations.

### **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 \$2 on weekdays and \$4 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:

- **November 5, 10:00 AM - 11:00 AM: Scales, Feathers & Fur.** Learn what makes reptiles, birds and mammals all different. You'll have the opportunity to make some fun crafts and meet a zoo creature up close.
- **November 12, 10:00 AM - 11:00 AM: Under the Sea.** Find out all about the creatures of the sea. You'll have a great time making some fun ocean crafts.
- **November 18, 10:00 AM - 11:00 AM: Animals in My Backyard.** What creatures do you find in your backyard? Find out in this class filled with fun facts and crafts.

This class is for children that are 5-6 years old:

- **November 13, 10:00 AM - 11:00 AM: Animals in My Backyard.** What creatures do you find in your backyard? Find out in this class filled with fun facts and crafts.

### **Upper Newport Bay Interpretive Center**

- **November 3, 10:30 AM - 11:15 AM: Toddler Time “Let’s Play Opossum.”** Learn all about mother opossum and her babies in this hands-on program. You will meet a live opossum and enjoy stories and activities about this special marsupial. The cost is \$5 per child ages 3-4. Call 949-923-2275 to register.
- **November 8, 10:00 AM - 12:00 PM: The Games People Played.** Explore the games Native American children of the Back Bay might have played. Learn how the Tongva taught their children important life skills through games and play. The cost is \$5 per child (5 yrs. and older). Call 949-923-2275 to register.
- **November 17, 9:00 AM - 9:45 AM (2-3 yrs. old) and 10:30 AM - 11:15 AM (3-4 yrs. old): Toddler Time “Birds.”** Join a Park Ranger for this parent and child playtime with a bird theme. Enjoy stories, movement and hands-on fun. The cost is \$5 per child ages 2-4. Call 949-923-2275 to register.

### **Irvine Open Space**

Register online at <http://www.IrvineQuickReg.org>

- **November 2 - 23 (4 Tuesday classes), 9:00 AM - 10:00 AM: Bug Buddies at the Open Space Nature Center.** Crawl on over to become a part of the miniature world of spiders, insects and snails. Parent participation is required. The cost is \$40 and a \$5 materials fee is due on the first class. Ages 3-6. Class #18324.
- **November 2 - 23 (4 Tuesday classes), 9:00 AM - 10:00 AM: Bug Buddies at the Open Space Nature Center.** Crawl on over to become a part of the miniature world of spiders, insects and snails. Parent participation is required. The cost is \$40 and a \$5 materials fee is due on the first class. Ages 3-6. Class #18324.



### **Would you like to see an event listed in the “Local Events Calendar?”**

E-mail Helen de la Maza ([Hdelamaza@ocde.us](mailto:Hdelamaza@ocde.us)) with the event’s date, time, location, cost, brief description, and contact information by the 15<sup>th</sup> of the month prior to the event occurrence.

