

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
INFORMATION EXCHANGE FOR MARINE EDUCATORS

APRIL 2012

This update is funded by the National Marine Sanctuary Foundation in partnership with NOAA's Ocean Exploration and Research Program, with additional support from the National Marine Protected Areas Center, to share information pertinent to the marine educator community. It is intended to encourage exchange of information and programs. We hope that it will also promote collaboration among the different educators addressing similar issues in their programs.

Please share this email with your colleagues and constituents. If you request materials or respond to a request for information, please mention that you learned about it from NOAA's Information Exchange.

The information included here has been compiled from many different sources, including EE-NEWS@NAAEE, EEinGEORGIA, the Scout Report, scuttlebutt, NSTA Express, and others. We have verified web addresses, but make no guarantee that they will remain active. The Department of Commerce/NOAA does not necessarily endorse or promote the views or facts presented on these sites.

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Collected archives and issues of the newsletter, past and present, are available at <http://mpa.gov/resources/education/#exchange>. Contact the editor directly at phyllis.dermer@noaa.gov, or by phone at (865) 932-5074, to discuss further enhancements or to contribute information for future issues.

OPPORTUNITY OF THE MONTH

TED Talk Talent Search

From April to June 2012, TED will hold special salons in 14 cities on six continents seeking to uncover new talents, voices, and ideas the world needs to hear. They are looking for the teacher, artist, storyteller, prodigy, and many more outstanding speakers. The event in New York will be held June 7, 2012; the deadline for application is April 19, 2012.

<http://conferences.ted.com/TED2013/auditions/index.php>

WEBSITES OF THE MONTH

Saylor.org

Saylor.org is an open collection of over 200 free, self-paced, automated, peer-reviewed college level courses. Participants earn a certificate upon completion of each course. The setup of the courses offers a structured approach. Courses include biology, mathematics, and more, with a current focus on the undergraduate college level. Authors: check the website for the Open Textbook Challenge.

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

YardMap

YardMap is a free, interactive, citizen science mapping project about habitat creation and low-impact land use from the Cornell Lab of Ornithology, designed to cultivate a richer understanding of bird habitat for both professional scientists and people concerned with their local environments. YardMap uses web technology to let users construct landscape maps using real satellite images of their own backyard. Map your yard, track birds, and measure your impact.

<http://content.yardmap.org/>

REQUESTS

Articles for General Issues of *Current*

The editors of *Current: The Journal of Marine Education* seek articles for upcoming general issues on topics related to marine education. The deadline for submission is July 1, 2012.

Contact Lisa Tooker at ltooker@sbcglobal.net

<http://www.marine-ed.org/current/CurrentGuidelines.pdf>

Citizen Science

The Cornell Lab of Ornithology welcomes submissions from all educators who have ideas about ways to utilize citizen science projects with middle and high school students. Consider submitting your lesson plan for inclusion in an upcoming citizen science book to be published by NSTA Press. The deadline for submission is May 15, 2012.

<http://www.birds.cornell.edu/birdsleuth//book>

GRANTS AND OPPORTUNITIES

Beach Sister Program Fellowship - Massachusetts

The Northeastern University Marine Science Center has an opening for an Americorps volunteer through the Massachusetts Promise Fellowship. The fellow will be responsible for developing and coordinating a new program, Beach Sister, with school-aged girls at a non-profit center in Lynn, Massachusetts. The fellowship dates are August 2012 through July 2013. The deadline for application is May 11, 2012.

<http://www.masspromisefellows.org/openpositions.html#northeastern>

Caribbean Coastal Communities Small Grants Program

Counterpart International, the University of Miami, and the Punta Cana Ecological Foundation are working in partnership with the Inter-American Development Bank on a Caribbean Coastal Communities Small Grants program. These grants are intended to support NGOs, community groups, and businesses supporting the sustainable

management of coastal resources and livelihoods development in the Caribbean region. The deadline for application is April 15, 2012. Contact Abram Henry at Ahenry@counterpart.org

Charlotte Martin Foundation

The Charlotte Martin Foundation supports wildlife and habitat through grants to protect and conserve ecosystems and their resident wildlife for the long term, with the aim of preserving biodiversity in the region in Washington, Oregon, Idaho, Montana, and Alaska. Additional areas of support include education and culture. The next deadline for application is April 30, 2012.

<http://www.charlottemartin.org/programs.htm>

Environmental Workforce Development and Job Training Grants

The EPA Environmental Workforce Development and Job Training Grants offer financial assistance to eligible entities to deliver environmental workforce development and job training programs that recruit, train, and place local unemployed and under-employed residents, offering the skills needed to secure full-time employment in the environmental field. The grants' focus on training is on solid and hazardous waste remediation, environmental health and safety, and wastewater. The deadline for application is April 12, 2012.

<http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-12-03.pdf>

Get to Know Your Wild Neighbors Contest

The Get to Know Your Wild Neighbors Contest will launch April 7, 2012 in partnership with the U.S. Fish & Wildlife Service, Association of Zoos and Aquariums, and partners. The contest invites American youth (19 and younger) to develop a deeper appreciation for their neighbors of other species by getting outdoors and creating art, writing, digital photography, videos, and music. The goal is to engage the power of art to help youth feel more connected with nature. Check out the launch events in select cities across the country.

<http://www.get-to-know.org/>

Green in Action Awards

The GEF Green in Action award is given to schools, classes, and/or groups of green keepers who show exceptional initiative in sustainability projects. The deadline for entry is April 22, 2012.

<http://www.greeneducationfoundation.org/nationalgreenweeksub/green-in-action-contest>

Harry Passow Classroom Teacher Scholarship

The National Association for Gifted Children awards the A. Harry Passow Classroom Teacher Scholarship to teachers of grades K-12 who have shown excellence in teaching gifted students. The scholarship is designed to reimburse or defray the costs of continuing education. The deadline for application is April 16, 2012.

<http://www.nagc.org/index.aspx?id=1255>

MASNA Scholarship

The Marine Aquarium Societies of North America offers the MASNA Scholarship to one full-time undergraduate and graduate student seeking a degree in the marine science field. The deadline for application is June 22, 2012.

<http://www.masna.org/AboutMASNA/MASNAScholarship.aspx>

MATE International ROV Competition

The MATE (Marine Advanced Technology Education) Center coordinates an international student ROV competition and a network of 19 regional ROV contests. The competitions connect students and educators with employers and working professionals from marine industries, highlight marine-related career opportunities, and promote the development of technical, problem solving, critical thinking, and teamwork skills. This year's competition theme focuses on World War II shipwrecks and the role that ROVs play in assessing and addressing the potential environmental threat of any fuel oil that they may still contain.

<http://www.materover.org/main/index.php>

Mia J. Tegner Memorial Research Grants

The Marine Conservation Institute offers Mia J. Tegner Memorial Research Grants in Historical Marine Ecology. The grants support young scientists studying what the oceans were like before humans began significantly altering marine ecosystems. The deadline for application is April 16, 2012.

<http://www.marine-conservation.org/tegnier-grants/>

Microsoft Partners in Learning

The Microsoft Partners in Learning 2012 U.S. Forum is a part of a global program consisting of regional forums culminating in a worldwide event recognizing innovative educators from around the world. The competition is open to all K-12 educators and school leaders. Educators apply with classroom projects using technology in innovative ways that positively impacts student learning. The deadline for application is May 15, 2012.

http://www.microsoft.com/education/en-us/Training/events/Pages/2012_US_Forum.aspx

Ocean Education Partnership Grants

The NOAA Office of Education Ocean Education Partnership Grants are for projects designed to expand or develop professional development and other capacity-building activities for informal science educators and volunteers. A successful project will utilize the resources of multiple institutions which include at least three non-profit U.S. aquariums. Collaborative teams should involve applicants from multiple U.S. states and are strongly encouraged to include at least one aquarium that has not previously received a grant from NOAA's Office of Education. There is special interest in collaborative teams that include aquariums representing a wide range of annual operating budgets, total visitorship numbers, and/or physical sizes. The deadline for applications is May 7, 2012. See the website for details; click on funding.

<http://www.oesd.noaa.gov/grants/elg.html>

Ocean Guardian School Grants - California

Ocean Guardian School Grant funds are now available for area California schools to create a school- or community-based conservation project that focuses on current issues affecting local watersheds and the ocean while promoting best environmental practices. Check the website for eligible counties. The deadline for application is May 1, 2012.

http://sanctuaries.noaa.gov/education/ocean_guardian/

Patagonia Environmental Grants

Patagonia offers grants to organizations that identify and work on root causes of problems and that approach issues with a commitment to long-term change, with a focus on organizations that build a strong base of citizen support. Applications are accepted

year round at retail stores and twice yearly at the headquarters, with the next deadline for application at headquarters of April 30, 2012.

<http://www.patagonia.com/us/patagonia.go?assetid=2942>

PLT Greenschools! Action Project Grants

Project Learning Tree's GreenSchools! Action Project Grants fund projects that make a difference in young people's sense of responsibility toward their communities and in their understanding of their relationship to the environment. Examples of past grant projects include habitat restoration, watershed improvement, outdoor classrooms, and energy conservation. The deadline for application is May 15, 2012.

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

Rachel Carson Sense of Wonder Contest

The EPA and partners announce a poetry, essay, photo, and dance contest. Contestants will work across generations to share their own interactions with and reflections about the sense of water. The deadline for entry is June 1, 2012.

<http://www.epa.gov/aging/resources/thesenseofwonder/index.htm>

Science Prize for Inquiry-Based Instruction

This contest from *Science* magazine is designed to encourage innovation and excellence in education by recognizing outstanding, inquiry-based science and design-based engineering education modules. The deadline for entry is April 30, 2012.

<http://www.sciencemag.org/site/feature/data/prizes/inquiry/>

Small Grants Programme – Migratory Species

The Convention on the Conservation of Migratory Species of Wild Animals has announced a call for proposals as part of the Small Grants Programme. The deadline for application is May 31, 2012. See the website for complete details.

http://www.cms.int/bodies/ScC/small_grants_programme.htm

Sol Hirsch Education Fund Grants

The National Weather Association awards grants to K-12 teachers to improve the study of meteorology. Selected teachers can use the funds to take accredited courses, attend workshops and conferences, or purchase materials for the classroom. The deadline for application is June 1, 2012.

<http://www.nwas.org/grants/solhirsch.php>

Urban Ocean Poetry Contest

The Aquarium of the Pacific hosts an annual Urban Ocean Poetry Contest for youth ages 13-18, in conjunction with the Aquarium's Urban Ocean Festival, May 5-6, 2012 in Long Beach, California. The deadline for submission is April 6, 2012.

<http://www.aquariumofpacific.org/contest/urbanoceanpoetry>

Wetlands Program Development Grants

The EPA's Wetlands Program Development Grants offer financial assistance for wetland protection and enhancement for state, tribal, and local governments. Grants may be used to develop or enhance programs for protecting, managing, or restoring wetlands. Projects must be performed within Alaska, Idaho, Oregon, and/or Washington. The deadline for application is April 9, 2012.

<http://yosemite.epa.gov/R10/ECOCOMM.NSF/webpage/wetland+grants>

Win a Wireless Lab

The 2012 Win a Wireless Lab Sweepstakes will award three classroom technology packages. Public and private school employees are eligible to enter the sweepstakes once a day through May 3, 2012.

<http://cdwg.discoveryeducation.com/wawl/>

Windland Smith Rice International Photography Competition

The Nature's Best Photography Windland Smith Rice International Awards competition is open. The deadline for submission is May 7, 2012. Note that there may be an entry fee for submission.

http://www.naturesbestphotography.com/competition_overview.php

World Environment Day Contest

Students, teachers, classes, or schools across the globe participating in an environmental activity that involves students in grades K-12 are invited to enter their project into the Project Earth 2012 World Environment Day Contest. The deadline for entry is June 5, 2012.

<http://www.projectearth.net/Competition/Details/0b755bf6-7839-488d-a414-562465c18af9>

INTERNSHIPS AND TEMPORARY OPPORTUNITIES

Coastal Ocean Science Academy - Massachusetts

The Coastal Ocean Science Academy, August 13-25, 2012 from Nahant, Massachusetts, is for students entering grades 9-12 who have a strong interest in science and the marine environment. The program includes class and field instruction. A limited number of scholarships are available; the deadline for application is May 31, 2012.

http://www.northeastern.edu/marinescience/visiting_the_msc/outreach/summer.html

Dauphin Island Sea Lab Internships - Alabama

The Marine Ecology Lab at the Dauphin Island Sea Lab has two paid internship opportunities, June 1-August 3, 2012, available to undergraduates from minority groups currently under-represented in marine science and environmental education, looking for experience in marine ecology. The deadline for application is March 30, 2009.

<http://dhp.disl.org/ALminorityinternship.htm>

Ocean Science Internships - Massachusetts

MIT Sea Grant is now accepting applications for four paid Summer 2012 Ocean Science Internships for high school students. Interns will work collaboratively to investigate the intertidal zone in the Boston Harbor Islands. The deadline for application is April 13, 2012.

http://seagrant.mit.edu/osi_application.php

CONFERENCES, WORKSHOPS, AND PROFESSIONAL DEVELOPMENT

Aquaculture in the Classroom Teacher Workshop - Florida

Harbor Branch Oceanographic Institute at Florida Atlantic University will hold an Aquaculture in the Classroom Teacher Workshop, July 16-18, 2012 in Fort Pierce,

Florida. The workshop provides classroom aquaculture information to educators who have limited aquaculture experience. The Teach Aquaculture curriculum will be introduced and selected lessons and activities will be demonstrated. Topics covered include aquarium set-up, permitting for schools, nutrition, and more. The deadline for registration is July 6, 2012

http://www.fau.edu/hboi/Aquaculture/AQacted_WorkshopSchedule.php

Currents Symposium - California

The free Currents Symposium, April 14, 2012 in Seaside, California, is an annual event for researchers, educators, students, and the public to learn about current research being conducted in the Monterey Bay National Marine Sanctuary. This year's theme is *From Lions to Luminescence: Linking Land and Sea*.

<http://montereybay.noaa.gov/research/currsymp2012/welcome.html>

Designing Evaluations - Online

NOAA's Central Library Brown Bag Seminar series will host Dr. Stephanie Shipman and Dr. Valerie Caracelli of the Government Accountability Office (GAO), April 5, 2012, who will discuss the recently released report, *Designing Evaluations: 2012 Revision*. The report addresses the logic of program evaluation design, introduces key issues in planning studies, and describes a variety of designs for answering different types of questions about program performance. Free access to the seminar is available; see the website for registration and full details, along with a link to the GAO report.

<http://www.lib.noaa.gov/about/news/brownbagseminars.html>

Exploring the Ocean through Science and Children's Literature - Maine

This professional development for educators, June 25-27, 2012 from South Portland, Maine, incorporates field experiences, children's books, and current scientific data to investigate the marine life and environmental health of coastal Maine. Materials feature hands-on activities geared to grades 4-6.

<http://friendsofcascobay.org/curriculum.aspx>

Fortune Brainstorm Green - Online

Fortune will team up with program partners including Conservation International, The Nature Conservancy, and others, for this green business conference. Free virtual participation for select sessions is available. Registration is required.

<http://events.unisfair.com/index.jsp?eid=661&seid=1722>

Fostering Sustainable Behavior Workshop – Florida

This workshop, June 13-14, 2012 in Clearwater, Florida provides an introduction to community-based social marketing and how it is applied to foster sustainable behavior. Participants will learn the five steps of community-based social marketing (selecting behaviors, identifying barriers, developing strategies, conducting pilots, and broad scale implementation), and will be exposed to numerous case studies illustrating its use. Check out the website authored by the instructor.

<https://www.htfsolutions.com/HTFSolutions/forms/mma/index.htm>

<http://www.cbsm.com/public/world.lasso>

Georgia's Barrier Island Habitats Teacher Workshop - Georgia

Explore the maritime forest, beach, and marsh habitats of one of Georgia's fourteen barrier islands, July 19-21, 2012 on Sapelo Island, Georgia. Activities include seining for local organisms, a turtle walk, introduction to the Estuaries 101 curriculum, and more.

This workshop is open to both formal and informal educators of all grade levels. The deadline for registration is June 20, 2012.

Contact Georgia Graves at georgiabeachwalk@bellsouth.net

International Beachcombing Conference

The 2012 International Beachcombing Conference, October 4-7, 2012 in Lewes, Delaware, will host ocean scientists; beachcomb and coastal experts; and sea glass, beach pottery, shipwreck, shell, and marine fossil educators and authors.

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

MarineLab Teacher Workshops - Florida

MarineLab will host three workshops concurrently from July 23-28, 2012 in Key Largo, Florida: Coastal Marine Ecology of the Florida Keys; Advanced Marine Ecology and Research Techniques; and the Reef Check Eco Diver Certification program. The workshops are designed for middle and high school science teachers; all feature on-water field explorations.

http://www.marinelab.org/Teacher_Workshops.html

NAAEE Conference – Call for Presentations

The North American Association for Environmental Education's (NAAEE) 41st Annual Conference, October 10-13, 2012 will take place along with the 9th Annual Research Symposium, October 9-10, 2012, in Oakland California. The conference offers hundreds of presentations that explore the practice and profession of environmental education. The deadline for submission is April 25, 2012.

<http://www.naaee.net/conference/call-for-presentations>

National Project for Excellence in EE Webinars

NAAEE offers this webinar series to help educators learn about the National Project for Excellence in EE. The upcoming webinar, Environmental Education Materials: Guidelines for Excellence, April 10, 2012, will guide participants through NAAEE's Environmental Education Materials: Guidelines for Excellence as a tool to self-evaluate your EE materials or programs. Registration is free and archived presentations are available from the website.

<http://eelinked.naaee.net/n/guidelines>

Ocean Exploration Workshops – Washington, D.C.

NOAA's Ocean Exploration Program and partners offer the Okeanos Explorer Education Materials Collection, Volume 1: Why Do We Explore? Professional Development Workshop for Educators, June 2, 2012 with the Smithsonian Institution's Sant Ocean Hall in Washington, D.C. The deadline for registration is May 18, 2012. Participants will receive curriculum with CD-ROM's, certificates of participation, and more.

Contact Trish Mace at macet@si.edu.

<http://oceanexplorer.noaa.gov/edu/development/development.html>

Salish Sea Expeditions Teacher Trainings - Washington

Salish Sea Expeditions invites teachers to free teacher trainings geared for classroom educators. Free registration is required; there will be a minimal cost for Washington State clock hours.

- April 14, 2012 aboard the 61' sailing vessel *Carlyn*, from Anacortes, Washington
- April 15, 2012 in Tacoma, Washington

Contact Jennifer Pritchard at jennifer@salish.org

Teachers on the Estuary Workshop – Florida

The Guana Tolomato Matanzas National Estuarine Research Reserve will host a Teachers on the Estuary (TOTE) Workshop, June 11-14, 2012 in Tallahassee, Florida. The workshop provides resources and hands-on experiences to support the incorporation of estuary and watershed topics into classroom teaching. Participants will work with local scientists and coastal educators to explore estuary habitats, practice scientific field activities, and bring data into the classroom. Contact Kenneth Rainer at Kenneth.Rainer@dep.state.fl.us

EDUCATIONAL RESOURCES

Best of COSEE Hand-On Activities

The Best of COSEE Hands-On Activities is now online and available as a CD. Over 50 hands-on activities have been collected from across the COSEE network and are available through a user-friendly online interface. The activities can be searched by subject, grade level, duration, and Ocean Literacy principle.

http://www.cosee.net/best_activities/

Classroom Connection

Join the Center for Dark Energy Biosphere Investigations (C-DEBI) for six weeks of scientist-classroom interaction, starting April 9, 2012. The Classroom Connection engages students in deep ocean science and exposes them to new concepts and oceanographic tools, while addressing federally-mandated curriculum standards. The program offers hands-on classroom lessons, interviews with scientists and crew members, shipboard blogs, and more.

<http://www.darkenergybiosphere.org/classroomconnection/>

Coral and Fish Identification Aids

New aids for identifying the species of corals and fishes in the wider Caribbean that can be found during Atlantic and Gulf Rapid Reef Assessment (AGRRA) surveys are now available for downloading. The materials include new photographs, flash cards, and more.

<http://www.agrra.org/method/trainingid.html>

Deepsea Challenge

Read about James Cameron's solo dive to Challenger Deep, the deepest known point in the ocean. The website offers links to teaching resources, maps, and much more.

http://education.nationalgeographic.com/education/deepsea-challenge/?ar_a=1

Earth Preservers

Earth Preservers is an environmental news and information website for kids that relates the environment to a wide range of current events and topics. Resources include short films and documentaries, interactive quizzes, classroom resources, poll questions, and a monthly newsletter. Check this out for your students.

<http://www.earthpreservers.com/storage/home/index.html>

Endangered Species Day

National Endangered Species Day is May 18, 2012. The Endangered Species Day website features a Teacher Resource Center with sample science and art lesson plans, and more.

<http://www.stopextinction.org/esd.html>

Federal Evaluators

Federal Evaluators is an informal association of evaluation officials in the legislative and executive branches of the U.S. government. The website was established to provide access to information about federal evaluation activities as well as access to resources useful for conducting evaluations, including downloadable publications, useful evaluation websites, and more.

<http://www.fedeval.net/>

Green Education Foundation Institute Virtual Classroom

The Green Education Foundation's GEF Institute is a virtual classroom offering courses in sustainability to educators, high school and undergraduate students, and professionals. Each 15-hour course is self-paced over a 90-day period. Classroom courses provide ready-to-use curriculum that integrates sustainability concepts into classrooms using a comprehensive package of materials and resources. Each 30-hour course includes access to lessons, audits, PowerPoints, and videos. Companion curriculum packs include 10-15 scripted lessons and a hands-on audit.

<http://www.greeneducationfoundation.org/institute>

Greening STEM Planning Toolkits

This five-volume set of planning toolkits is being offered free to educators in honor of this year's EE week theme, *Greening STEM: The Environment as Inspiration for 21st Century Learning*. The toolkits feature STEM activities and resources for all grade levels on Gardens & Schoolyards, Energy Efficiency, Geography Connections, Water Resources, and Climate & Weather. The kits highlight opportunities for project-based learning, service-learning, and citizen science.

http://eeweek.org/greening_stem/toolkits

Gulf of Mexico 2012 Expedition

Follow along with NOAA's Office of Ocean Exploration and Research on the Okeanos Explorer Gulf of Mexico 2012 Expedition, March 3–April 29, 2012. Postings include daily logs, videos and images, lesson plans, and a digital atlas to follow along with the expedition. Join the crew through live feeds from the expedition.

<http://oceanexplorer.noaa.gov/okeanos/explorations/ex1202/welcome.html>

Hurricane Webinars

The Hurricanes: Science and Society webinar series introduces a range of hurricane topics, including the basics of hurricane science, advances in forecasting hurricanes, preparing for an approaching hurricane, and more. Hurricane researchers discuss their research and answer questions from participants. Past webinars are archived on the website. The next webinar, Hurricane Hazards and Impacts, will be held April 24, 2012.

<http://www.hurricanescience.org/resources/webinar2012/>

In Search of the World's Strongest Corals

Researchers and students will be in American Samoa and the Cook Islands from March 18-April 7, 2012 to find the world's strongest corals. Follow the team at with daily blog updates, photos, and videos from the field.

<http://www.stanford.edu/group/microdocs/blogs.html>

Marine Protected Area Resources and Concepts for Teaching Ocean Literacy

This new publication developed by the National Geographic Society, NOAA, and partners links MPA Center educational resources with National Ocean Literacy Principles. The information is intended to help educators improve ocean literacy by highlighting MPA Center resources on marine protected areas and conservation.

<http://www.mpa.gov/resources/education/>

National Glider Asset Map

The U.S. Integrated Ocean Observing System (IOOS) launched a new map that displays where partner gliders are currently patrolling and where they have been. The National Glider Asset Map is a collaborative effort and includes all the current and historical glider missions dating back to 2005 from Southern California, Northern Pacific, and Mid-Atlantic. Users can access a current snapshot of where gliders are located at sea and, once a glider returns from a mission, users can scroll over visualizations from collected data. Additionally, users can retrieve an historical collection of data from previous missions.

http://www.ioos.gov/observing/observing_assets/glider_asset_map.html

Navassa Expedition

Follow along with Mike Trimble, a teacher from Corona del Sol High School in Tempe, Arizona, as he joins the research staff of the Khaled bin Sultan Living Oceans Foundation aboard the *M/Y Golden Shadow* on the week-long mission to survey Navassa Island, an uninhabited island between Jamaica and Haiti currently managed by the U.S. Fish & Wildlife Service. The goal of the expedition is to complete coral reef assessments throughout the shallow water habitats and obtain updated information on corals, fishes, and benthic communities around the island.

http://www.globalreefexpedition.com/index.php?option=com_content&view=article&id=271&Itemid=709

PolarTREC Live

Sign up to talk with teacher Amber Lancaster aboard the *NB Palmer* off the coast of Antarctica, April 9, 2012. Her team is part of the LARISSA project working to understand the changes caused by the Larsen Ice Shelf.

<http://www.polartrec.com/expeditions/impacts-of-the-larsen-ice-shelf-system-on-the-weddell-sea>

Return to Titanic Program

Commemorate the 100th Anniversary of Titanic's sinking with Immersion Learning's Return to Titanic Program, including hands-on activities, videos, and interactive online games that engage students in science, technology, and exploration. Topics covered include scale drawings, remotely operated vehicles, conservation, and much more. Online resources include an interactive Titanic Moviemaker game, a sample classroom activity, and more. The Return to Titanic curriculum for grades 1-8 is available for purchase and contains student reading selections, activity masters, and comprehensive educator notes for the program's twelve hands-on activities. In addition, two

professional development workshops will be held, June 2 and June 8, 2012 in Mystic, Connecticut; participants receive the multimedia pack with print curriculum, CD, and DVD.

<http://www.immersionlearning.org/titanic>

Science Buddies

The Science Buddies website helps K-12 students, parents, and teachers to find free science project ideas. Visitors can browse over 1,000 science fair project ideas in more than 30 different areas of science, including ocean sciences, weather & atmosphere, and more. There is also an Advanced Project Guide for students and teachers involved in high school science competitions.

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

Sun, Sand and Sea Turtles Curriculum Guide

The Georgia Sea Turtle Center offers *Sun, Sand and Sea Turtles: Inspiring Youth through Hands-on Learning*, a curriculum guide that can be used both in the classroom and in non-formal education settings with any age group. The syllabus contains material for 15 hours of activity, which can be presented consecutively or in multiple sessions.

<http://www.jekyllislandshop.mybigcommerce.com/sun-sand-and-sea-turtles/>

TED-Ed

TED-Ed's mission is to capture and amplify the voices of great educators around the world by pairing extraordinary educators with talented animators to produce a new library of curiosity-igniting videos. The new website will launch in early April 2012 and will feature new TED-Ed Originals as well as some powerful new learning tools. Sign up to receive Ted-Ed News or suggest a teacher or lesson, and the TED team will work with the educators chosen to record and animate those lessons.

<http://education.ted.com/>

<http://www.edutopia.org/blog/film-festival-ted-for-teachers>

Water Footprint

An individual's water footprint is equal to the water required to produce the goods and services consumed. Use this online calculator to determine your water footprint.

<http://www.waterfootprint.org/?page=cal/WaterFootprintCalculator>

Why Is the Ocean Salty?

This webpage offers a primer explaining the origin of the ocean, sources of salts, and processes affecting its chemical composition, including the hydrologic cycle.

http://www.palomar.edu/oceanography/salty_ocean.htm

WoRMS

The World Register of Marine Species provides an authoritative and comprehensive list of names of marine organisms, including information on synonymy. While highest priority goes to valid names, other names in use are included so that this register can serve as a guide to interpret taxonomic literature.

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

INITIATIVES, JOURNALS, and MORE

National Week of the Ocean - Florida

The National Week of the Ocean celebration, April 1-7, 2012, is sponsored by Fort Lauderdale-based National Week of the Ocean, Inc. in cooperation with the City of Fort Lauderdale, Florida. The theme is *Exploring and Caring for the Ocean*. The annual event is dedicated to educating young people to develop a sense of stewardship towards the ocean. National Week of the Ocean members encourage year-round ocean study from the arts to commerce, from history to foods, from endangered sea creatures to issues such as offshore drilling or ocean dumping. Check out the schedule of events for the Week of the Ocean Seas-on, to be held March 10-June 8, 2012.

<http://www.national-week-of-the-ocean.org/>

National Water Trails System

A new Secretarial Order establishes national water trails as a class of national recreational trails under the National Trails System Act of 1968. The Chattahoochee River Water Trail has been designated as the first National Water Trail. The National Park Service will coordinate the water trail nomination process.

<http://www.americantrails.org/resources/water/AGO-first-blueway-designation.html>

NOAA in the Caribbean Newsletter

The NOAA Southeast and Caribbean Regional Team and partners offer this quarterly publication designed to engage and educate regional stakeholders about the on-the-ground science, management, and operations taking place throughout the Caribbean. The newsletter will provide news items on a variety of topics concerning the Caribbean audience, updates on new regional data and tools, announcements of funding opportunities, upcoming events, and more.

<http://noaaoceanscience.wordpress.com/2012/02/29/noaa-in-the-caribbean-newsletter/>

NOAA Earth Day Events

From mid-to-late April, NOAA and community partners will begin highlighting NOAA Earth Day events on the main NOAA website. Check back often for items of interest.

<http://www.noaa.gov/index.html>

NSTA STEM Newsletter

National Science Teachers Association is publishing *STEM in the Classroom* to provide a forum for ideas and resources middle and high school teachers will need to support science, technology, engineering, and math education.

<http://ecommerce.nsta.org/stemenewsletter/>

Ocean Science Journal

Ocean Science is the science and technology journal of the Department of the Interior's Bureau of Ocean Energy Management, Regulation and Enforcement. The bureau is the federal agency responsible for overseeing the safe and environmentally responsible development of energy and mineral resources on the Outer Continental Shelf. Check out the latest issue on the new website, including *Evaluating Potential Visual Impacts on Historic and Cultural Resources*, *For the Birds: An Overview of Renewable Energy-Related Avian Studies*, and more.

<http://www.boem.gov/BOEM-Newsroom/Library/Ocean-Science/Ocean-Science.aspx>

Pinterest for Educators

Principal Eric Sheninger offers a short blog about using the social media application, Pinterest, for education.

<http://www.edutopia.org/blog/pinterest-for-educators>