

**NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**  
**INFORMATION EXCHANGE FOR MARINE EDUCATORS**

**MAY 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](mailto:phyllis.dermer@noaa.gov), or by phone at (865) 932-5074, to discuss further enhancements or to contribute information for future issues.

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### **Notable References**

#### **Ocean Acidification: A National Strategy to Meet the Challenges of a Changing Ocean**

The long term consequences of ocean acidification are not known, but are expected to result in changes to many ecosystems and the services they provide to society. Ocean Acidification: A National Strategy to Meet the Challenges of a Changing Ocean reviews the current state of knowledge, explores gaps in understanding, and identifies several key findings.

<http://dels.nas.edu/Report/Ocean-Acidification-National-Strategy/12904>

## **Wildlife Heroes**

People around the world are fascinated by wildlife and wildlife conservationists - we are captivated by the animals, and those people working in the remote corners of the Earth to save them. Wildlife Heroes provides a visual and written window into the world of these individuals, the fascinating species, and the issues that must be resolved to save them. Heroes from Oceana, WideCAST, Project Seahorse, the National Marine Sanctuary Foundation, and other ocean-related organizations are included.

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

## **GRANTS EACH MONTH**

### **Awesome Foundation Grants**

The Awesome Foundation awards micro-grants every month for “your crazy brilliant idea”. Projects funded in the past have ranged from mobile applications to scientific experiments. Note that the first grantee on Oahu is 6 years old. Check this out; maybe even start an ocean chapter.

<http://awesomefoundation.org/>

## **MESSAGE FROM THE BRIDGE**

### **Nominate Your Video**

Videos instantly grab students' attention and are a good way to share research or demonstrate a science concept. Does your group have a YouTube video for science classrooms? Nominate it to the Bridge using the online form on the website.

<http://www2.vims.edu/bridge/search/nominate.cfm>

<http://web.vims.edu/bridge/>

## **REQUESTS**

### **Call for Papers - Ocean Literacy in the Classroom**

The journal *Science Activities: Classroom Projects and Curriculum Ideas*, published by Routledge/Taylor and Francis Group, will host a special issue entitled *Ocean Literacy in the Classroom*, January 2013, Vol. 50, Issue 1. The deadline for submission is July 1, 2012.

<http://www.tandf.co.uk/journals/cfp/vscacfp.pdf>

### **NOSB Question Writers Needed**

The National Ocean Sciences Bowl® (NOSB) is revamping its competition question writing process and is hiring science question writers. Hurry – the deadline for application is May 4, 2012.

<http://www.oceanleadership.org/2012/announcement-for-2012-2013-nosb-question-writing-and-development-committee-participants/>

## **GRANTS AND OPPORTUNITIES**

### **Afterschool Scholarship Awards**

The Afterschool Awards contest spotlights after school achievements for elementary, middle school and junior high students. Categories include community service, science and more. The deadline for application is June 25, 2012.

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

### **Aquaponics Workshop Scholarships - Maine**

Herring Gut Learning Center offers two aquaponics teacher workshops, July 10-12 and July 17-19 in Port Clyde, Maine. The Borman Family Foundation is supporting partial tuition scholarships. The deadline for application is May 31, 2012.

<http://www.herringgut.org/summerworkshopsdetail.html?id=3>

### **Be Big In Your Community Contest**

Scholastic's Be Big Fund will help bring to life the winning Big Idea that helps make your community a better place. The deadline for submission is June 22, 2012.

<http://www.scholastic.com/cliffordbebig/contest/>

### **Brower Youth Awards**

The Earth Island Institute's New Leaders Initiative offers the Brower Youth Awards, recognizing young people (ages 13-22) for their outstanding activism and achievements in the fields of environmental and environmental justice advocacy. The deadline for application is May 14, 2012.

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

### **Delta Science Fellows Program**

The Delta Science Fellows Program brings together young scientists, agency scientists, and senior research mentors in collaborative data analysis and research projects relevant to the Delta Stewardship Council's coequal goals of providing a more reliable water supply for California and protecting, restoring, enhancing the delta ecosystem. Up to 11 pre-doctoral students and postdoctoral researchers will be awarded fellowships for proposals addressing 2012 priority topic areas. The deadline for application is June 4, 2012.

[http://csgc.ucsd.edu/EDUCATION/DELTA/DeltaFellow\\_RFA2012-13.html](http://csgc.ucsd.edu/EDUCATION/DELTA/DeltaFellow_RFA2012-13.html)

### **Earth Savers Club Mini-grants**

Youth-led school, community, and faith-based groups with an environmental focus can join Greening Forward's Earth Savers Club and take advantage of club resources, including mini-grants, mentorships, and more. Grants are awarded year-round.

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

### **EarthEcho Water Planet Challenge Grants**

A collaborative effort between EarthEcho International and the NEA Foundation, EarthEcho Water Planet Challenge Grants are available to middle and high school public educators to support service-learning programs that improve the health of the planet. Applicants must cite specifically how they are utilizing EarthEcho's Water Planet Challenge Action Guides in the classroom with their students. Applications are accepted three times per year; the next deadline for application is June 1, 2012.

<http://www.neafoundation.org/pages/educators/grant-programs/nea-foundation-earthecho-grants/>

### **Edge Fellowship**

The Zoological Society of London's EDGE of Existence program offers two-year fellowships to future conservation leaders for work on poorly-known EDGE species, including corals. The deadline for application is May 31, 2012.

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

### **Get Ur Good On Grants**

Youth Service America supports Get Ur Good On Grants for youth-led (ages 5-25) service initiatives. Projects must address a demonstrated community need or issue, and must take place during June, July and/or August 2012. The deadline for application is May 27, 2012.

<http://www.ysa.org/grants/gurgo>

### **Green Living Project Student Film Project**

Green Living Project's Student Film Project is a filmmaking competition that encourages students, from middle school through college, to produce a film, 5 minutes or less, telling a compelling story about a local or global sustainability-related project. The deadline for submission is May 25, 2012.

<http://www.greenlivingproject.com/studentfilmproject/>

### **ICRI Small Grants Program**

The International Coral Reef Initiative Grants Program 2012-2013 encourages small community groups or NGOs to apply for funding for a small project that relates to coral reef management and protection in developing countries. The deadline for submission is May 20, 2012.

<http://icriforum.org/news/2012/04/icri-grants-program-2012-2013>

### **Jessie Smith Noyes Foundation Grants**

The Jessie Smith Noyes Foundation supports grassroots organizations and movements in the U.S. working to change environmental, social, economic and political conditions to bring about a more just, equitable, and sustainable world. Grants are accepted year-round.

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

### **Kinder Morgan Foundation Grants**

The Kinder Morgan Foundation supports nonprofit youth programs that focus on education, the arts, and the environment in communities where Kinder Morgan operates. The next deadline for application is May 10, 2012, and every 2 months thereafter.

<http://www.kindermorgan.com/community/>

### **MeadWestvaco Foundation Grants**

The MeadWestvaco Foundation seeks to provide leadership for advancing research, education, and public dialogue on public policy issues of special interest, such as the economy, regulation, and environmental stewardship. The foundation's primary focus is to enhance the quality of life in communities where MeadWestvaco employees and their families live and work. Proposals for grants are accepted throughout the year.

<http://www.mwvfoundation.com/applicationguidelines/index.htm>

### **MetLife Foundation Afterschool Innovator Awards**

The Afterschool Alliance and MetLife Foundation award MetLife Foundation Afterschool Innovator Awards, which aim to identify potentially lesser-known, yet highly effective programs and the individuals running them. Nominees in four categories will be judged by the innovative nature of their approach and demonstrated effectiveness. The deadline for application is May 15, 2012.

<http://www.afterschoolalliance.org/metLife.cfm>

### **Multistate Conservation Grant Program**

The Multistate Conservation Grant Program from the U.S. Fish and Wildlife Service and partners aims to strengthen the ability of State and Territorial fish and wildlife agencies to meet the consumptive and non-consumptive needs of the public for fish and wildlife resources. The deadline for letters of intent is May 11, 2012.

[http://www.fishwildlife.org/files/2013MSCGP-FundingOpportunity\\_LOIs.pdf](http://www.fishwildlife.org/files/2013MSCGP-FundingOpportunity_LOIs.pdf)

### **National Wildlife Photo Contest**

The National Wildlife Photo Contest is looking for striking images of nature. These images may show animal behavior, portraits of wildlife in natural habitat, plant life, natural landscapes, or people interacting with nature. The deadline for submission is July 16, 2012.

[http://www.nwf.org/PhotoContest/PhotoContestHome.aspx?s\\_email\\_id=20120414\\_MEM\\_ENG\\_April\\_NWM|OldP](http://www.nwf.org/PhotoContest/PhotoContestHome.aspx?s_email_id=20120414_MEM_ENG_April_NWM|OldP)

### **Outstanding Earth Science Teacher Awards**

The National Association of Geoscience Teachers presents its Outstanding Earth Science Teacher awards to K-12 educators who have made exceptional contributions to the stimulation of interest in the earth sciences. The deadline for application is May 15, 2012.

<http://www.nagt.org/nagt/programs/oest.html>

### **Pulling Together Grants**

The National Fish and Wildlife Foundation's Pulling Together Initiative seeks proposals that will help control invasive plant species, primarily through the work of public/private partnerships such as Cooperative Weed Management Areas. The deadline for submission of pre-proposals is May 18, 2012.

[http://www.nfwf.org/AM/Template.cfm?Section=Charter\\_Programs\\_List&TEMPLATE=/C/M/HTMLDisplay.cfm&CONTENTID=24721](http://www.nfwf.org/AM/Template.cfm?Section=Charter_Programs_List&TEMPLATE=/C/M/HTMLDisplay.cfm&CONTENTID=24721)

### **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>

### **State Farm Good Neighbor Student Achievement Award**

The State Farm Companies Foundation, through Youth Service America, offers grants enhancing student achievement through service-learning in K-12 public schools. The grant engages participating teachers and students in a service and learning program that promotes academic achievement, workplace readiness, and stronger communities.

Note: the grant requires a 12-14 week Semester of Service™. The deadline for application is May 31, 2012.

<http://www.ysa.org/goodneighbor>

### **World Oceans Day Video Contest**

Students in grades 7-12 may enter the World Oceans Day Video Contest with a one-minute video telling what the ocean means to you, why the ocean is important, and how it impacts them on a daily basis. Prize categories include best video, humorous video,

music video, and video from a non-coastal city. Hurry – the deadline for submission is May 4, 2012.

<http://www.oneworldocean.org/pages/world-oceans-day-video-contest>

## **INTERNSHIPS, SUMMER PROGRAMS, AND TEMPORARY OPPORTUNITIES**

### **Chesapeake Conservation Corps - Maryland**

The Chesapeake Bay Trust's Chesapeake Conservation Corps program coordinates an effort to pair young people, ages 18-25, with organizations around Maryland to provide service-learning opportunities and green job training through environmental and energy conservation and education projects. The program provides hands-on environmental, leadership, and technical training opportunities for a one-year term of service to begin late August. The deadline for application is May 14, 2012.

[http://www.cbtrust.org/site/c.miJPKXPCJnH/b.6185161/k.3657/Chesapeake\\_Conservation\\_Corps.htm](http://www.cbtrust.org/site/c.miJPKXPCJnH/b.6185161/k.3657/Chesapeake_Conservation_Corps.htm)

### **Coastal Studies for Girls - Maine**

Coastal Studies for Girls is actively seeking students for the Fall 2012 or Spring 2013 semester. The program is a residential marine science and leadership semester school just for 10th grade girls, located on the coast of Freeport, Maine. The program offers hands-on marine and environmental science and outdoor leadership adventures in the classroom, laboratory, and along the coast. Scholarships may be available; the deadline for application is June 1, 2012.

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

### **Marine Science Camps for Youth and Families - Oregon**

Oregon Sea Grant is hosting summer day camps for different age groups (including families) in Newport, Oregon in July and August. Camps involve field trips, interaction with scientists, and various activities.

<http://hmsc.oregonstate.edu/visitor/education-programs/day-camp>

### **Seafaring Adventure Camps**

Ocean Classroom offers the educational Seafaring Camp, a one-week learning adventure for teens aged 13-16, and the two-week Advanced Seafaring Camp for teens aged 15-18.

[http://www.oceanclassroom.org/index.php?option=com\\_content&task=view&id=30&Itemid=54](http://www.oceanclassroom.org/index.php?option=com_content&task=view&id=30&Itemid=54)

## **CONFERENCES, WORKSHOPS, AND PROFESSIONAL DEVELOPMENT**

### **Aquascience Workshop - Alabama**

Middle- and high-school science and math teachers interested in including aquaculture/aquascience as a hands-on component in their classrooms are invited to attend Aquaculture 101, June 11-15, 2012 in Auburn, Alabama. The free workshop focuses on aquaculture and aquascience and how to teach principles (matched to core standards) of biology, chemistry, math, and physics in innovative ways.

<http://www.masqc.org/page.asp?id=720>

### **Citizen Science Conference**

The Conference on Public Participation in Scientific Research, August 4-5, 2012 in Portland, Oregon, is being held in conjunction with the annual meeting of the Ecological Society of America. The deadline for poster abstracts and scholarship application is May 4, 2012.

<http://www.birds.cornell.edu/citscitoolkit/conference/2012>

### **Climate Science Research for Educators and Students – New York**

The Institute for Earth Science Research and Education, in collaboration with Queens College/City University of New York, is offering this workshop for secondary school educators, June 28-30, 2012 in New York City, New York. The deadline for application is May 31, 2012. Some travel support may be available for participants from outside the New York City metropolitan area.

<http://www.instesre.org/GCCE/GCCEHome.htm>

### **Coastal Ecology Teacher Workshop - Georgia**

Join educators for an in-depth look at Georgia's coastal systems and discover the abundance and variety of wildlife found along the shores in this Coastal Ecology Teacher Workshop, June 11-15, 2012 on Sapelo Island, Georgia. Emphasis is placed on estuarine and marine ecology, coastal species identification and adaptations, commercial and recreational fisheries, and management.

Contact Georgia Graves at [georgiabeachwalk@bellsouth.net](mailto:georgiabeachwalk@bellsouth.net)

### **EETAP Summer Courses - Online**

The University of Wisconsin-Stevens Point and the Environmental Education and Training Partnership (EETAP) offers the following online summer courses:

- Environmental Education Theory & Practice May 31–August 24, 2012
- Advanced Topics in Natural Resources and PR: Social Marketing June 18–July 13, 2012
- Natural Resources Policy and the Legislative Process July 16–August 9, 2012
- Water Resources and the Science, Policy and Politics of Climate Change June 4–June 22, 2012

Scholarships may be available. The deadline for registration is May 10, 2012.

<http://www.uwsp.edu/natres/eetap/index.aspx>

### **From H-2-O - Louisiana**

This free workshop presented by the Louisiana Universities Marine Consortium, June 13-16, 2012 in Cocodrie, Louisiana, will provide teachers with the knowledge, skills, and equipment to do water quality monitoring as an inquiry-based environmental education experiences with their students using LUMCON's BayouSide Classroom program. Teachers can show students their connection to the Gulf of Mexico through watershed science while conducting meaningful science and stewardship activities. The deadline for application is May 24, 2012.

[http://www.lumcon.edu/education/MarineEducation/H-2-O\\_2012.pdf](http://www.lumcon.edu/education/MarineEducation/H-2-O_2012.pdf)

### **NASA Aquarius Webinar Series - Online**

The scientific aim of the Aquarius SAC/D satellite is to collect data on the salinity of the oceans, revealing information relevant to ocean circulation, the water cycle, and climate. The NASA Aquarius Webinar Series: Focus on Inquiry Education will present the free

webinar, How Do We Teach Ocean Concepts in the High School Earth Science Classroom?, May 3, 2012.

<http://cosee.umaine.edu/programs/webinars/aquarius/inquiry/>

### **New England Aquarium Workshops - Massachusetts**

The New England Aquarium in Boston, Massachusetts offers a variety of professional development courses for teachers. Upcoming opportunities focus on bioluminescence, changing oceans, watershed education, and more. See the website for details, including deadlines for registration.

[http://www.neaq.org/education\\_and\\_activities/teacher\\_resources/professional\\_development/workshops/index.php](http://www.neaq.org/education_and_activities/teacher_resources/professional_development/workshops/index.php)

### **NSTA Web Seminars - Online**

NSTA Web Seminars are free, 90-minute, live professional development experiences that use online learning technologies to allow participants to interact with experts, education specialists, and others. Educators can use online tools that allow them to mark-up and annotate presenter's slides or share desktop applications, in addition to engaging in chat with others online and answering quizzes and poll questions. Seminars may be archived and available for viewing after the live event has occurred. Check out the upcoming seminars and archives, including climate tools, designing effective science instruction, and more.

<http://learningcenter.nsta.org/products/webseminars.aspx>

### **Ocean Science Summer Institute - Washington**

Join the educators at Port Townsend Marine Science Center for this summer institute, June 25-28, 2012 from Port Townsend, Washington, and explore inquiry-based curriculum for grades 4-6.

<http://www.ptmsc.org/teacher.html>

### **Seminars on Science - Online**

Registration is open for the summer sessions of Seminars on Science from the American Museum of Natural History. Courses are co-taught by an experienced classroom teacher and a research scientist. Upcoming courses include The Ocean System, Diversity of Fishes, Climate Change, and more. The deadline for registration for summer session 1 (May 28-July 8, 2012) is May 14, 2012; for summer session 2 (July 2-August 12, 2012), June 18, 2012.

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

### **Student Climate & Conservation Congress - Green School Fellows**

The Green Schools Alliance in partnership with the U.S. Fish and Wildlife Service supports the 2012 Student Climate & Conservation Congress U.S. Green School Fellows Leadership Program. Rising 9-12th grade students who have demonstrated outstanding leadership in their schools or communities are invited to apply to become a fellow and attend the 2012 Student Climate & Conservation Congress, June 24-29, 2012 in Shepherdstown, West Virginia. The mission of the conference is to empower student environmental leaders with the skills, knowledge, and tools necessary to address natural resource challenges and better serve their schools and communities.

<http://www.greenschoolsalliance.org/students/student-climate-conservation-congress-sc3>



### **Summer Teacher Coastal Stewardship Program - Florida**

The 2012 Florida A&M University Summer Teacher Coastal Stewardship Program, June 14-28, 2012 in Tallahassee, Florida, provides teachers with the skills, materials and knowledge to teach watershed conservation and stewardship, and increase K-12 environmental literacy. The program is open to K-12 science teachers within upstream watersheds that drain into the Gulf of Mexico. The deadline for application is May 11, 2012.

[http://www.wlf.louisiana.gov/sites/default/files/pdf/simplenews/35359-weekly-enews-events-webinarsworkshops-lagniappe-resources-listservs/famu\\_coastal\\_program\\_for\\_teachers\\_2012.pdf](http://www.wlf.louisiana.gov/sites/default/files/pdf/simplenews/35359-weekly-enews-events-webinarsworkshops-lagniappe-resources-listservs/famu_coastal_program_for_teachers_2012.pdf)

## **EDUCATIONAL RESOURCES**

### **BatsLIVE**

BatsLIVE is an education program that provides free, online resources and opportunities to learn more about bats. Check out the upcoming electronic field trip, May 17, 2012, lesson plans, web seminars, and more.

<http://batslive.pwnet.org/>

### **BirdsEye and BirdLog**

These apps from Birds in the Hand are available for both iPhones and Android phones. BirdsEye guides you to the birds using the millions of sightings entered every month into eBird.org, while BirdLog finds your location, times your outing, and keeps a running tally of the birds you see, allowing you to enter them into your eBird account.

<http://birdseyebirding.com/>

### **California Environmental Resources Evaluation System**

The California Natural Resources Agency's California Environmental Resources Evaluation System (CERES) offers links to a myriad of environmental resources for students and teachers. The California Wetlands Information System includes lists of educational resources with contact information, a reading list, and much more. CERES' on-line environmental education offers links to Natural and Social Sciences, English and Language Arts, Visual and Performing Arts, and more. The California Ocean and Coastal Environmental Access Network is a virtual library offering access to ocean and coastal data and information from a wide variety of sources and in a range of types and formats.

<http://www.ceres.ca.gov/index.html>

### **Climate Education in an Age of Media Project**

The Climate Education in an Age of Media Project website contains information about how media production by students is being brought into climate change education and can be readily adopted in a wide range of instructional environments. This is a new initiative; check back often for further updates.

[http://cleanet.org/cced\\_media/index.html](http://cleanet.org/cced_media/index.html)

### **Coastal Kingdom**

The TV series, Coastal Kingdom, focuses on the diverse habitats found in the South Carolina lowcountry. Current episodes include Sharks and Rays, The Salt Marsh, and more. You can view them on the website if you don't live in an area that broadcasts

them on television. Check out the additional resources on the website, include a field guide.

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

### **Database of Island Invasive Species Eradications**

The Database of Island Invasive Species Eradications from Island Conservation is a tool for conservation practitioners which contains 1,182 documented successful eradications of invasive vertebrates on 762 islands. Data from each project includes information on the island, methods used in the eradication, and contact information for people knowledgeable about the eradication. The database offers the opportunity to analyze trends in past eradication projects.

<http://eradicationfdb.fos.auckland.ac.nz/>

### **Ecosystem Management: Tradeoffs Among Human Activities**

*Marine Ecosystems and Management* is published bimonthly by Marine Affairs Research and Education (MARE). Volume 5, No. 5 discusses making decisions about trade-offs and offers links to additional resources, including the EBM Roadmap: Tradeoffs among Human Activities.

<http://www.ebmtools.org/roadmap/coreelements/6>

<http://depts.washington.edu/meam/>

### **Environmental Education in Action**

EPA's Office of Environmental Education hosted three webinars to introduce this new initiative at the EPA that showcases environmental education programs and resources. The website includes links to environmental education grants, teacher awards, educational resources, and more, including links to the archived webinars.

<http://www.epa.gov/education/index2.html>

### **Forest Service Climate Change Articles and Activities**

The U.S. Forest Service offers the *Natural Inquirer* for middle school and the *Investigator* for upper elementary school students. Recent issues deal with climate change and can be downloaded from the website. Classroom sets can also be ordered so that each student has their own copy.

<http://www.scienceinvestigator.org/Pacific-Northwest-Research-Station-Climate-Change-Edition-i-3.html>

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

### **Global Schoolyard Bioblitz**

Project Noah is teaming up with the National Environmental Education Foundation and National Geographic Education for the Global Schoolyard Bioblitz campaign. Teachers and students document the wildlife encountered in and around their school sites. The National Geographic website offers tools for any bioblitz, and students can upload their data to the Project Noah website.

[http://education.nationalgeographic.com/education/program/bioblitz/?ar a=1&force\\_AR=True](http://education.nationalgeographic.com/education/program/bioblitz/?ar a=1&force_AR=True)

<http://www.projectnoah.org/missions/10164691>

### **Go Mobile with NOAA and NOS**

Get ocean and coastal Information on the go; check out the current listings of ocean- and coast-related mobile websites and free applications produced by or in partnership

with NOAA. Apps include marine debris tracking, WhaleALERT, phytoplankton identification, and more.

<http://www.noaa.gov/mobile/>

<http://oceanservice.noaa.gov/mobile.html>

### **The Guardian's Science Weekly Podcast**

The Guardian's Science Weekly podcast and the extensive archive touch on a myriad of science topics including climate change, controversies, and more.

<http://www.guardian.co.uk/science/series/science>

### **Hot Science – Cool Talks**

The Environmental Science Institute at the University of Texas at Austin fosters environmental research, education, and outreach across disciplines. They host Hot Science - Cool Talks as a means for researchers from the University of Texas and other universities to communicate their research to the K-12 educational community and the public. Each lecture includes an Internet broadcast for those who cannot attend, a CD-ROM that includes the PowerPoint presentation used during the lecture, detailed notes for each slide, links to websites, and additional resources on the subject material. Check out the archived lectures; topics include climate change, energy, and more.

<http://www.esi.utexas.edu/k-12-a-the-community/hot-science-cool-talks>

### **Ice Resources**

April's topic for the Year of the Solar System was ice. This NASA website offers links to classroom and informal activities, multimedia, and more.

<http://solarsystem.nasa.gov/yss/display.cfm?Year=2012&Month=4>

### **INSPIRE: Chile Margin 2012 Expedition**

NOAA's Office of Ocean Exploration and Research offers the International South-East Pacific Investigation of Reducing Environments - INSPIRE: Chile Margin 2012 Expedition website. The website for the expedition, which ran April 20-30, 2012, includes daily logs, videos and images, an Ocean Explorer Expedition Education Module, lesson plans, and more. One key question these scientists are working to answer is: Do vents and seeps host the same endemic, chemosynthetic species when the sites are not separated by huge distances?

<http://oceanexplorer.noaa.gov/explorations/12chile/welcome.html>

### **Louisiana Public Broadcasting Digital Media Library**

The Louisiana Public Broadcasting LearningMedia is a free digital media library with more than 18,000 resources for all age levels. Registration is required after an initial trial.

<http://beta.lpb.org/index.php/education/>

### **Marine Mammals of the Arctic**

Immersion Learning's Marine Mammals of the Arctic program includes hands-on activities, videos, and interactive online games to support student studies in science, technology, and exploration. The program focuses on key Arctic animals such as beluga whales, ice seals, narwhals, and polar bears and provides information about the population dynamics of the animals, current threats, and conservation efforts. Additional topics include Arctic geography, climate change, adaptations, and more. The website offers free online resources including interactive Beluga Basic Training and Seal Rescue

games, videos, and puzzles. The Marine Mammals of the Arctic curriculum for grades 1-8 is available for purchase.

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

### **OCEAN-OIL**

The Online Clearinghouse for Education And Networking: Oil Interdisciplinary Learning (OCEAN-OIL) is a free, peer-reviewed electronic education resource about the Deepwater Horizon disaster. Resources include hyper-linked articles about the spill, teaching resources including games and teacher guides, links to additional sites, and much more.

<http://www.eoearth.org/oceanoil>

### **Titanic – 100 Years Later**

This website from NOAA offers links to a number of Titanic articles and resources, including slide shows, lesson plans, and career information.

<http://www.noaa.gov/titanic/welcome.html>

### **Water Planet Challenge**

EarthEcho's Water Planet Challenge provides information and materials to help middle and high school students take action to protect and restore our planet's natural resources while teaching to key standards. The Hot Topics presents monthly interviews, information, and lesson plans covering critical news stories. The current topic is In the Wake of the Fukushima Daiichi Accident – One Year Later. Check out the educator resources, action guides, and more.

<http://www.waterplanetchallenge.org/wpc/>

### **WebGURU**

The Web Guide to Research for Undergraduates (WebGURU) is an interactive web-based tool intended to assist undergraduates navigate the hurdles of an undergraduate research experience. Resources include information about scholarships and fellowships, research programs, and much more.

<http://www.webguru.neu.edu/>

## **INITIATIVES, JOURNALS, and MORE**

### **Charges for JASON Project Online Access**

On July 1, 2012, JASON online resources from the JASON Mission Center will no longer be free. A discount is available through August 31, 2012.

<http://jason.pinnaclecart.com/online-access/>

### **Wind Map**

The wind map is a personal art project, not associated with any company. While the data comes from the National Digital Forecast Database and is revised once per hour, there are no guarantees about the correctness of the data or the software. It is, however, a beautiful and interesting use of available data.

[http://hint.fm/wind/?utm\\_source=NHC+Master+List&utm\\_campaign=07725af25f-DR\\_585&utm\\_medium=email](http://hint.fm/wind/?utm_source=NHC+Master+List&utm_campaign=07725af25f-DR_585&utm_medium=email)