

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
INFORMATION EXCHANGE FOR MARINE EDUCATORS

DECEMBER 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.

Notable References

Climate Change Indicators in the United States

The Advanced Technology Environmental and Energy Center hosts this downloadable report from the EPA on climate change indicators in the United States. The report includes coverage of greenhouse gases, weather and climate, the oceans, snow and ice, and society and ecosystems. Free registration is required.

<http://ateec.org/ateec-downloads/ateec-downloads/climate-change-indicators-in-the-united-states>

Climate and Social Stress

The recent study by the National Academy of Sciences, *Climate and Social Stress: Implications for Security Analysis*, was requested by the U.S. intelligence community. The downloadable prepublication recommends a range of research and policy actions to create a whole-of-government approach to increasing understanding of complex and contingent connections between climate and security, and to inform choices about adapting to and reducing vulnerability to climate change.

http://www.nap.edu/catalog.php?record_id=14682

WEBSITE OF THE MONTH

Marine Ecology, Human Impacts, & Conservation

National Geographic Education offers the Marine Ecology, Human Impacts, & Conservation website for exploring the importance of ocean health and the establishment and management of MPAs. The nine lessons include The World Ocean, Marine Ecosystems and Biodiversity, Fisheries, and more. The lessons are meant to incorporate into a high school biology curriculum.

http://education.nationalgeographic.com/education/collections/marine-protected-areas/?ar_a=1

REQUESTS

International Journal of Early Childhood Environmental Education – Call for Manuscripts

NAAEE announces the first call for manuscripts for the *International Journal of Early Childhood Environmental Education*. The journal publishes peer-reviewed scholarly written work that focuses on educational approaches, evaluation models, program descriptions, and more, pertinent to the education of young children birth to eight years.

<http://www.naaee.net/publications>

Parks - Call for Contributions

PARKS, the International Journal of Protected Areas and Conservation is accepting contributions for the March 2013 issue. The deadline for submission is December 31, 2012.

http://www.iucn.org/about/work/programmes/gpap_home/gpap_capacity2/gpap_parks2/

Reviewers Needed

Volunteer to be a science reviewer for the Climate Literacy & Energy Awareness Network (CLEAN). They will be asking external experts from time to time to help vet online resources to make sure they are accurate and current.

<http://cleanet.org/clean/community/reviewer.html>

GRANTS AND OPPORTUNITIES

Action for Nature Young Eco-Hero Awards

Action for Nature seeks applications from students ages 8-16 for its International Young Eco-Hero Awards Program. The awards program recognizes the individual accomplishments of young people whose personal actions have significantly improved the environment. Projects must concern advocacy, environmental health, research, or protection of the natural world. The deadline for application is January 15, 2013.

<http://www.actionfornature.org/eco-hero-awards/201-application-guidelines>

Advancing Informal STEM Learning Grants

The National Science Foundation is encouraging proposals that capture the creative and innovative potential of informal STEM learning for the future, and potentially forge new connections across all STEM learning communities. The deadline for application is January 14, 2013.

<http://www.nsf.gov/pubs/2012/nsf12560/nsf12560.htm>

Apprentice Ecologist Initiative

The Apprentice Ecologist Initiative engages youth, parents, and teachers from around the world in environmental stewardship and conservation projects. The goals of the initiative are to elevate young people (especially at-risk and low-income kids and teens) into leadership roles by engaging them in environmental stewardship projects, empower volunteers to rebuild the environmental and social well-being of our communities, and improve local living conditions for both citizens and wildlife. The deadline for entry is December 31, 2012.

http://www.wildernessproject.org/volunteer_apprentice_ecologist.php

BoatU.S. Foundation Grant

The BoatU.S. Foundation awards nonprofit organizations for the promotion of safe and clean boating education. Past topics have included hands-on education about the effects of marine debris. The deadline for application is December 17, 2012.

<http://www.boatus.com/foundation/Grants/>

Bob the Bunny's Cartoon Competition

Volvo's Bob the Bunny competition is aimed at youth ages 10-12. Team members identify a local environmental issue and create a cartoon illustrating the issue and actions one might take to solve it. The deadline for entry is February 28, 2013.

<http://www.volvoadventure.org/home.aspx>

Captain Planet Foundation Grants

The Captain Planet Foundation provides grants to school and community groups to support hands-on environmental projects for youth in grades K-12. The objective of the foundation is to encourage innovative programs that empower youth to work individually and collectively to solve environmental problems in their neighborhoods and communities. The next deadline for application is February 28, 2013

<http://captainplanetfoundation.org/apply-for-grants/>

Celebrate Urban Birds Mini-Grants

The Cornell Lab of Ornithology offers mini-grants to help fund neighborhood events or projects featuring activities involving birds, community service, art, greening, and science. The deadline for application is February 15, 2013.

<http://celebrateurbanbirds.org/>

Children's Environmental Painting Competition

Children ages 6-14 are invited to submit paintings on the theme of *Water: Where does it come from?* for the Annual International Children's Painting Competition on the Environment. The deadline for submission is February 28, 2013.

http://www.unep.org/tunza/children/int_comp.aspx

DuPont Challenge

The 2013 DuPont Challenge is a competition for 7–12 grade students to research and write a science essay on one of four categories. The deadline for submission is January 31, 2013.

<http://thechallenge.dupont.com/>

Edward C. Roy, Jr. Award for Excellence in K-8 Earth Science Teaching

This award from the American Geological Institute is designed to recognize one teacher of grades K-8 for leadership and innovation in Earth science education. The deadline for application is January 10, 2013.

<http://www.agiweb.org/education/awards/ed-roy/>

Environmental Education Regional Grants

The purpose of the EPA's Environmental Education Regional Grant Program is to increase public awareness and knowledge about environmental issues and provide the skills that participants in its funded projects need to make informed environmental decisions and take responsible actions toward the environment. The deadline has been extended to December 12, 2012.

<http://epa.gov/education/pdf/solNotice2012.htm>

Environmental Research & Education Foundation Grants

The Environmental Research & Education Foundation offers grants to support solid waste research and education. The next deadline for submission is January 5, 2013.

<http://erefdn.org/index.php/grants/>

EPA Greater Research Opportunities Undergraduate Fellowships

This program offers undergraduate fellowships for bachelor level students in environmental fields of study. The agency plans to award approximately 40 fellowships. Hurry – the deadline for application is December 5, 2012.

http://www.epa.gov/ncer/rfa/2013/2013_gro_undergrad.html

Fund for Teachers Professional Development Grants

The Fund for Teachers Grant awards preK-12 teachers with funds to support professional development activities during the summer of 2013. The deadline for application is January 31, 2013. See the website for details, and check out additional funding opportunities and other resources.

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

Garden Club of America Wetlands Scholarship

The Garden Club of America offers a one-year scholarship for graduate studies in coastal wetlands and support of field-based research. The goals of the Garden Club are to promote wetlands conservation through the support of young scientists in their fieldwork and research. The deadline for application is January 15, 2013.

http://ccrm.vims.edu/education/garden_club/index.html

Knowles Science Teaching Foundation Fellowships

Knowles Science Teaching Foundation Fellowships are available in the areas of biology, mathematics, and physical sciences to individuals who demonstrate exceptional content knowledge in the area they intend to teach, a commitment to teaching high school in U.S. schools, professional ability, and the potential for leadership. The deadline for application is January 9, 2013.

<http://www.kstf.org/programs/teaching.html>

MASTERMIND Braintwister Challenge

Pressman Toy Corporation encourages students ages 7-12 to create braintwisters -- puzzles, riddles, word problems, or short games with a solution. The deadline for submission is December 31, 2012.

<http://www.mastermind-education.com/students>

Nickelodeon's The Big Help Grant Program

The Big Help Grant Program supports projects that inspire kids to take care of the environment; lead active, healthy lives; engage in community service; or improve their educational experience. The deadline for application is December 31, 2012.

<http://pro-social.nick.com/grant-application/>

Protect Our Reefs Mote License Plate Grants – Florida

This Request for Proposals offers eligible organization funds to support projects related to research, education and outreach, and/or conservation of the Florida coral reef ecosystem. The deadline for proposals is January 15, 2013.

<http://www.mote.org/index.php?src=gendocs&ref=Reefplategrantapp&category=Reef%20Plate>

REEL Science Communication Contest

NASA Earth science missions support this video contest asking high school-aged students to produce a two-minute video for middle school students communicating one of the following science concepts: ozone in the stratosphere, ship tracks and our environment, or the water cycle observed from space. The deadline for submission is February 15, 2013.

<http://aura.gsfc.nasa.gov/reelscience.html>

Sandy Book Grants

Scholastic Book Grants for Libraries Damaged by Hurricane Sandy: Scholastic, in partnership with Kids in Distressed Situations, is donating books to schools affected by Hurricane Sandy in the Tri-State area. Also, if schools are interested in donating books, they can contact Scholastic. Grant requests will be accepted until December 31, 2012.

<http://www.scholastic.com/aboutscholastic/bookgrants.htm>

Sea of Tomorrow Society's Scholarships

Beneath The Sea offers Sea of Tomorrow Society's Scholarships to young people 13-30 to provide financial assistance and encouragement to those who are interested in pursuing a marine-related career path. The deadline for application is January 15, 2013. See the website for complete details about the different opportunities.

<http://www.beneaththesea.org/scholarships/44619>

Spreading Smiles Service-Learning Photo Contest

Capture a photo of your K-12 classroom participating in a service learning project and submit for a chance to win one of three small grants. The deadline for submission is December 3, 2012.

<http://www.inter-state.com/spreadingsmiles/>

Volvo Adventure Awards

In collaboration with the United Nations Environmental Programme, the Volvo Adventure Award rewards environmental activities among the decision makers of the future. Environmental projects are undertaken by teams of young people, ages 13-16, to improve their local environment. The deadline for entry is January 31, 2013.

<http://www.volvoadventure.org/home.aspx>

Water Champion Awards

Water Champion awards recognize superior levels of relevance, educational effort, support, and innovation in the promotion of water quality via involvement in World Water Monitoring Day. The deadline for application is January 15, 2013.

<http://www.worldwatermonitoringday.org/WaterChampionAwards/>

World of 7 Billion Video Contest

High school students are invited to enter the World of 7 Billion Video Contest by creating a short public service announcement video illustrating the connection between the world population at 7 billion and food security, global status of women/girls, or wildlife habitat. The deadline for entry is February 21, 2013.

http://www.worldof7billion.org/index.php/student_video_contest

INTERNSHIPS AND TEMPORARY OPPORTUNITIES

Coastal Management Fellowship

The Coastal Management Fellowship, sponsored by NOAA's Coastal Services Center, offers on-the-job education and training opportunities in coastal resource management and policy for postgraduate students, while providing project assistance to state coastal zone management programs. The two-year fellowship matches postgraduate students with state coastal zone programs to work on projects proposed by the state and selected by the fellowship sponsor. The deadline for application to your local Sea Grant is January 25, 2013.

<http://www.csc.noaa.gov/cms/fellows.html>

MANTA High School Summer Course

MANTA (Marine Science And Nautical Training Academy) is a two-week summer course which provides students the opportunity to learn about the marine environment aboard a 45-foot catamaran sailing through the British Virgin Islands. MANTA's research scientists and instructors teach in a "flippers on" style, and the syllabus includes lectures and labs on aspects of marine science based on the Ocean Literacy principles and concepts, as well as active participation in publishable marine research. The deadline for enrollment is March 1, 2013; only 10 qualified students will be accepted for each program.

<http://www.manta-online.org/>

Marine Exploration and Discovery - Maryland

The Center for Environment and Society at Washington College offers summer programs for students grade 7-12, June 16-22, 2013 in Chestertown, Maryland. In Marine Exploration and Discovery, students build and launch a buoy, underwater robot, and more, and deploy a suite of seafloor mapping instruments to map the Chester River bottom. Register by December 14, 2012 for savings.

<http://www.washcoll.edu/centers/ces/gis/youth-education.php>

Ocean for Life Field Study

The next Ocean for Life field study, hosted by Channel Islands National Marine Sanctuary, will take place in Santa Barbara, California and on Santa Cruz Island in June 2013. The deadline for pre-applications for Western students, available December 5, 2012, is January 18, 2013. Students from Middle Eastern countries will be selected through a similar process administered by The GLOBE Program available to countries in the Near East North Africa region.

<http://sanctuaries.noaa.gov/education/ofl/app.html>

School of Rock – SCIMPI Expedition

Deep Earth Academy, the Integrated Ocean Drilling Program, and the Consortium for Ocean Leadership announce the SCIMPI 2013 School of Rock Expedition. Educators join the JOIDES Resolution, a platform outfitted for state-of-the-art scientific exploration and education, off the coast of Victoria, British Columbia May 16-30, 2013. The deadline for application is January 3, 2013.

<http://www.oceanleadership.org/2012/attention-cyber-school-educators-apply-now-for-the-school-of-rock-2013/>

CONFERENCES, WORKSHOPS, AND PROFESSIONAL DEVELOPMENT

Climate Change Education - Online

CAMEL (Climate, Adaptation, Mitigation, E-Learning) is a free, interdisciplinary, multimedia resource for educators. An online college course for educators offers daily video mini-lectures, readings, and much more.

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

DataStreme Courses - Various

The American Meteorological Society's DataStreme Project is an expenses-paid professional development program for in-service K-12 educators. Graduate-level courses in meteorology, oceanography, and climate science are offered each fall and spring semester by Local Implementation Teams across the country. To register, please contact your nearest LIT leader.

<http://www.smdeponews.org/programs-events/ams-datastreme-course-offerings-for-spring-2013-k-12-educators-apply-by-late-fall/>

EETAP Spring Courses - Online

The University of Wisconsin-Stevens Point and the Environmental Education and Training Partnership (EETAP) offers a variety of online spring courses, including Advanced Topics in PR: Conflict Resolution, Applied EE Program Evaluation, and more. Scholarships may be available. The deadline for registration is January 5, 2013 or three weeks before the course start date..

<http://www.uwsp.edu/cnr/AMP/Documents/FlyerOnlineSpring2013%20110112.pdf>

Human Dimensions of Climate Change - Online

The University of Nebraska-Lincoln will offer NRES 832: Laboratory Earth: Human Dimensions of Climate Change, January 7-May 3, 2013. This online graduate-level course is geared toward K-12 science educators and extension educators who have a

need to address climate change among public audiences. Stipends may be available following course completion. The deadline for application is January 14, 2013.

<http://casnronline.unl.edu/web/casnr-online/courses-Scienceforeducators>

International Teacher-Scientist Partnership Conference

Join partnership professionals, teachers, and scientists from around the world for the first International Teacher-Scientist Partnership Conference, February 13-14, 2013 in Boston, Massachusetts. The program will include keynote speakers, panel sessions, workshops, and networking time. Conference topics will include partnership models, getting started in partnerships, recruitment, and more. Check the website for deadlines for submission.

<http://biochemistry.ucsf.edu/programs/sep/>

Master of Environmental Management Program - Online

The Nicholas School of the Environment at Duke University offers the Duke Environmental Leadership Program, a two-year online Master of Environmental Management degree, with strategically integrated intensive on-campus visits. Check the website for online information sessions.

<http://www.nicholas.duke.edu/delinfo>

NSTA Conferences – Calls for Proposal

Submit a session proposal for NSTA's 2013-2014 conferences. The area conferences are:

- St. Louis, Missouri: May 15-18, 2013 (STEM Forum & Expo)
- Portland, Oregon: October 24–26, 2013
- Charlotte, North Carolina: November 7–9, 2013
- Denver, Colorado: December 12–14, 2013

The next national conferences will be April 11-14, 2013 in San Antonio, Texas, followed by April 3-6, 2014 in Boston, Massachusetts. Deadlines for proposal submission for Portland, Charlotte, and Denver are January 15, 2013; for Boston, April 15, 2013.

<http://www.nsta.org/conferences/sessions.aspx>

Promoting Diversity on a Changing Planet – Washington, D.C.

The American Meteorological Society and partners offer the free AMS Climate Studies Course Implementation Workshop for 25 minority-serving faculty, May 19-24, 2013 in Washington, D.C. Faculty will be trained to offer the climate course and will hear presentations from NASA, NOAA, and university scientists.

<http://www.ametsoc.org/amsedu/online/climateinfo/diversity.html>

Smithsonian-Mason School of Conservation Courses - Virginia

The newly renamed Smithsonian-Mason School of Conservation, a partnership between George Mason University and the Smithsonian Conservation Biology Institute, is offering courses focused on training in different aspects of biodiversity conservation, from effective conservation leadership, to technical tools in statistics and field sampling. All courses are one- or two-week intensive residential courses and will be held in Front Royal, Virginia.

<http://SMConservation.gmu.edu>

EDUCATIONAL RESOURCES

Atlantic Canyons Undersea Mapping Expeditions Project

The NOAA Ship Okeanos Explorer operated in the North Atlantic Ocean between Cape Hatteras, North Carolina, and the U.S.-Canadian territorial boundary November 2-30, 2012. The expedition focused on supplementing Northeast canyon and continental slope mapping efforts carried out during previous cruises as part of NOAA's Atlantic Canyons Undersea Mapping Expeditions (ACUMEN) project. Check out the project summary, background essays, and more.

<http://oceanexplorer.noaa.gov/okeanos/explorations/acumen12/summary/welcome.html>

Classroom Earth

Classroom Earth now offers a full spectrum of educational and professional development materials for K-12 students and teachers. The website database is searchable by grade level, topic, and academic discipline, and includes a Nature Center Map where teachers can connect with nature nearby.

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

Digital Coast

The premise behind NOAA Coastal Services Center's Digital Coast website is the understanding that data alone are not enough. Most people need help turning these data into information that can be used when making important decisions about coastal management. This redesigned website provides the data, tools, and training most needed by coastal communities. A wide range of resources are available, from Light Detection And Ranging (LIDAR) data to guidance for local inundation mapping.

<http://www.csc.noaa.gov/digitalcoast/>

Digital Fishers

Help analyze deep-sea videos 15 seconds at a time. Everyone is invited to participate in ocean science research. As you view various animals and their surroundings in the video clip, you can describe what you see by selecting from the fields below the video screen. The fields include sea life, water clarity, seafloor composition, and any other objects you see (natural or human made). Free registration is required.

<http://digitalfishers.net/?p=518#more-518>

Disaster Resources

Lyrasis, a nonprofit membership organization dedicated to sustaining and enhancing libraries, offers resources for disaster assistance, prevention and planning, and response and recovery.

<http://www.lyrasis.org/Products-and-Services/Digital-and-Preservation-Services/Disaster-Resources.aspx>

Endangered Species Research

This facebook page is set up to promote access to Endangered Species Research articles.

<https://www.facebook.com/EndangeredSpeciesResearch>

Explore STEM Careers

Change the Equation, in partnership with E-Line Media, has created iON Future, a suite of free online learning games that encourage middle school to early high school-age

youth to explore careers in science, technology, engineering, and math. Check out the learning guide.

<http://changetheequation.org/>

<http://changetheequation.org/sites/default/files/Learning%20Guide%20Beta%20Version%2011-5-12.pdf>

Fishes: Greater Caribbean

This free fish ID guide/database for the iPhone or iPad offers around 1600 species of Caribbean fishes and over 5500 identification images from the Smithsonian Institute. It includes more Caribbean fishes than any other current publication, providing ID photos of almost every species, as well as a note book option to annotate or keep track of your observations. Once downloaded it works independently of internet access, so no matter how remote your dive site is you can still check on the fish you've seen right after the dive. This app is the second of three portable identification guides for Apple touch-screen devices covering the regional shore-fish faunas of the three tropical American marine regions: the Tropical Eastern Pacific, the Greater Caribbean, and Brazil.

<https://itunes.apple.com/us/app/fishes-greater-caribbean/id570048678?mt=8>

Frank Potter's Science Gems

Dr. Frank Potter offers this website with over 14,000 science resources sorted by category, subcategory, and grade level. Each of these sections is divided into smaller areas by grade level and each entry has a brief description of the noted resource.

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

Hurricane Season 2012 in 4.5 Minutes

Thanks to NOAA's Visualization Lab, you can relive the 2012 hurricane season virtually, and briefly, with this timelapse satellite video. The animation shows all of the GOES East satellite imagery from June 1-November 28, 2012. And be sure to check out the other videos on the website.

<http://www.youtube.com/user/NOAAvisualizations>

IPMEN Chile

The website for the 2012 Conference for the International Pacific Marine Educators Network offers recorded webcasts from the conference forum and presentations.

<http://ipmenchile.wp2.coexploration.org/live-streaming/>

NSF Classroom Resources

The National Science Foundation offers Classroom Resources, a collection of lessons and web resources. Materials are arranged by subject area, including Arctic & Antarctic, Education, Earth & Environment, and more.

<http://www.nsf.gov/news/classroom/>

Ocean Acidification Resources

Workshop teachers offered presentations about ocean acidification lessons and activities. The website posting of the presentations offer rough draft resources. Scroll down to Tuesday on the website.

<http://www.mbari.org/earth/2011/schedule11.htm>

Peace Corps Challenge Game

Teens who play this game are assigned to work in the small town of Wanzuzu, where they must study and understand the residents and the problems their community faces.

Students must solve nine critical challenges to help Wanzuzu become a better, healthier village. Teachers can access lesson plans on topics including water contamination, soil runoff, and more.

<http://www.peacecorps.gov/kids/>

Science Behind Sustainable Seafood

Join NOAA Fisheries Service and The Seattle Times Newspapers In Education for the series *Sustainable U.S. Seafood: What's Science Got to Do with It?* The five-part series is written for middle school level but can be easily adapted. Register to receive this series (for you and your students) for free by asking for the NOAA series.

Contact nie@seattletimes.com

Scientific Poster Design

Cornell Center for Materials Research offers this document on how to design scientific posters.

<http://www.cns.cornell.edu/documents/ScientificPosters.pdf>

Sesame Street Hurricane Kit

A hurricane comes through Sesame Street and this website offers tips, activities, and videos for young children and their parents.

<http://www.sesamestreet.org/parents/topicsandactivities/toolkits/hurricane>

Tides and Currents

NOAA Ocean Service Education's Tides and Currents is a resource for teachers to explain the physics and application of tides and currents knowledge to real-world situations, and the impacts of tides and currents on climate, environment, and society. Developed with NSTA and other partners, the module has over 130 links for teacher and students, along with nine new lesson plans integrating real-time tides and currents data, the effects of tides and currents on oil spills, and how climate change is related to tides and currents.

<http://oceanservice.noaa.gov/education/pd/tidescurrents/>

Tips for Successful MPAs

Graeme Kelleher, the first Chairman and CEO of the Great Barrier Reef Marine Park Authority, offers tips for successful MPA management from the keynote address at the WildAid Global MPA Enforcement Conference. Click on the pdf, *Your MPA – Will it Succeed*.

<http://listserv.gcfi.org/scripts/wa-GCFI.exe?A2=ind1211&L=CAMPAM-L&P=R114943>

Tsunami Debris

The Ocean Conservancy offers this website about tsunami debris, with Tsunami Debris 101, tips on what you should do if you find tsunami debris, a field guide, and more.

<http://www.oceanconservancy.org/our-work/marine-debris/tsunami-debris-what-you-need.html>

Twitter for Teachers

Edutopia's Five-Minute Film Festival offers links to using Twitter in education, videos that will help you learn to use the social platform for networking, resources, and more.

<http://www.edutopia.org/blog/film-festival-twitter-education>

Virtual Submersible Dive

Take a virtual tour of the Monterey Bay National Marine Sanctuary using a single-person submersible called DeepWorker 2000. Explore the canopy of a kelp forest and watch sea lions dart by in search of food. This virtual dive was developed in partnership with the National Geographic Society.

http://www.nationalgeographic.com/monterey/ax/primary_fs.html

Websites for Kids and Teachers

Check out this list of cool websites for teachers and kids from Edutopia. Listed websites include Animal Diversity Web, NeoK12, Kubbu, Games for Change, and much more. Beware: there are plenty of websites you can play with for hours.

<http://www.edutopia.org/blog/48-summer-websites-kids-teachers-keith-ferrell>

Wonderopolis

This National Center for Family Literacy website celebrates curiosity in our daily lives through short, thought-provoking "Wonders of the Day." Each Wonder presents a question, an image or video clip, an answer, and a Try it out! section with simple related activities. Categories include ocean, science, and many more.

<http://wonderopolis.org/>

INITIATIVES, JOURNALS, and MORE

Global Island Conservation Network

The Global Island Conservation Network listserve offers a network for the exchange of information useful to island conservationists. Subscribe at:

<http://listserv.bgci.org/scripts/wa.exe?HOME>

Marine Science Today

Marine Science Today is an online magazine with articles and analysis about the people, the technology, the policy, and the various research disciplines involved in modern marine science.

<http://marinesciencetoday.com/>

Natural Hazards Observer

The Natural Hazards Observer, the bimonthly periodical of the Natural Hazards Center, covers disaster issues, recent disaster management and education programs, resources and Web sites, and more. It focuses on human adaptation and response to natural hazards and is a forum for interested individuals to express opinions through invited personal articles. Articles in the November 2012 issue include Your classic climate change fish stories, What is resilience, and more.

http://www.colorado.edu/hazards/o/index.html?utm_source=NHC+Master+List&utm_campaign=f477eade5b-DR599&utm_medium=email

Scifund Challenge

Check out the latest round of the #Scifund Challenge - where scientists use crowd-sourced funding to support their research.

<http://www.rockethub.com/projects/scifund>