

# MARE & Technology



*Technology and Internet sites are never static. These links were tested as of July 2012. If one resource disappears, another is always on the horizon! This is not meant to be a complete list, but rather a starting point for your journey into using technology to excite and engage your students with the MARE curriculum!*

*Feedback, comments, questions, new sites...please contact me at [Shaskell@laceyschools.org](mailto:Shaskell@laceyschools.org)*

## Websites by MARE Themes

(Lessons to begin each MARE topic)

<http://cosseenow.net/mare/>

<http://coseenow.net/mare/in-you-classroom/getting-started/>

### Ponds



(micro organism identification-simplified) (Observing pond water)

<http://www.microscopy-uk.org.uk/index.html?http://www.microscopy-uk.org.uk/pond/index.html>

[http://www.sparsholtschoolscentre.org.uk/activities/primary/pond/ponddatabase/virtual\\_pond\\_dip.htm](http://www.sparsholtschoolscentre.org.uk/activities/primary/pond/ponddatabase/virtual_pond_dip.htm)

(data collection project)

<http://www.k12science.org/curriculum/bucketproj/>

### Rocky Seashore



(virtual tide pools)

<http://www.ocparks.com/tidepools/animals.htm#h.crab>

[http://www.montereyinstitute.org/noaa/lesson10/l10\\_ex.html](http://www.montereyinstitute.org/noaa/lesson10/l10_ex.html)

<http://montereybay.noaa.gov/visitor/TidePool/welcome.html>

(Kid friendly species descriptions)

<http://racphoto.com/Tidepool/Tidepool.html>

(Intertidal zones)

<http://www.tidalzone.org/zones.html>

Sandy Beach



(Sand samples-virtual)

<http://www.microscopy-uk.org.uk/mag/indexmag.html?http://www.microscopy-uk.org.uk/mag/artjun01/clsand.html>

<http://www.sand-atlas.com/en/photos/>

(Sand samples-free for educators)

<http://www.microscopy.org/education/ProjectMICRO/SandCollection.cfm>

(Habitat interactive)

<http://www.ceoe.udel.edu/kiosk/mural.html>

(sand castles -photos)

<http://www.sandcastlecentral.com/links/contestpics1.html>

(habitat descriptions)

<http://www.mbgnet.net/salt/>

(plant identification, esp. Island Beach State Park, NJ)

<http://emilydecampherbarium.org>

(species identification and info. Sandy Hook, NJ)

<http://ux.brookdalecc.edu/staff/sandyhook/taxonomy/index.htm>

(real-time data)

(Weather)

<http://english.wunderground.com>

<http://www.cocorahs.org>

(earth view similar to google earth, cool day/night band view here)  
<http://livingearth.com>

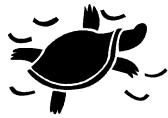
<http://worldweather.wmo.int>

(realtime weather project ideas from Stevens Inst. Tech)  
<http://www.ciese.org/curriculum/weatherproj2/en/guidelessons.shtml>

(Ocean Climate Interactive)  
<http://cosee.umaine.edu/tools/oci>

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## Wetlands



(habitat info.)  
<http://library.thinkquest.org/J003192F/>

<http://mbgnet.net/fresh/wetlands/index.htm>

<http://www.aquatic.uoguelph.ca/wetlands/chintro.htm>

(estuaries, runoff pollution, fish)  
<http://water.epa.gov/learn/kids/>  
(excellent example of how scientists study runoff pollution)  
<http://www.youtube.com/embed/7DSwdZicDhg>

(wetland plants)  
<http://dnr.wi.gov/org/caer/ce/eek/veg/plants/wetlandplants.htm>

<http://www.savebarnegatbay.org/herbarium/egrass.shtml>

(shallow bay fishes) (excellent field guide to Barnegat Bay fish here)  
[www.stripertracker.org](http://www.stripertracker.org)

(water cycle interactive)

[http://www.epa.gov/learn/kids/drinkingwater/kids\\_k-3.cfm](http://www.epa.gov/learn/kids/drinkingwater/kids_k-3.cfm)

(data analysis and real time data)

(Frog watch)

<http://www.aza.org/frogwatch/>

(Monarch butterfly, Gray whale, and others tracking project)

<http://www.learner.org/jnorth/>

(Bird count in any location)

<http://ebird.org>

(web cams)

(Eagle)

<http://www.ustream.tv/americaneaglefoundation>

(Loon)

[http://www.sportsmansparadiseonline.com/  
Live\\_Minnesota\\_Bound\\_Loon\\_Camera.html](http://www.sportsmansparadiseonline.com/Live_Minnesota_Bound_Loon_Camera.html)

(Larry's Loon blog to match above cam)

<http://www.mnbound.com/larrys-loon-blog/>

(Larry's FAQ on Loons)

<http://www.mnbound.com/loon-cam-faq/>

(Peregrine Falcon, Red-tailed Hawk, Eagles, Owls, many more Cams)

[http://www.sportsmansparadiseonline.com/Live\\_Webcams.html](http://www.sportsmansparadiseonline.com/Live_Webcams.html)

(Deer, fish, Blue heron, Osprey, many more cams)

[http://www.thewildlifecam.com/wildlife\\_cam\\_active.aspx](http://www.thewildlifecam.com/wildlife_cam_active.aspx)

## Kelp Forest



(Monterey Bay Aquarium, live web cams, sea otter interactive and Kelp food interactive)

<http://www.mbayaq.org/efc/>

(Kelp information)

[http://www.inchinapinch.com/hab\\_pgs/marine/kelp/kelp.htm#lant](http://www.inchinapinch.com/hab_pgs/marine/kelp/kelp.htm#lant)

(Live coral reef cam from Florida aquarium)

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

## Eel Grass

(Eelgrass info.)

<http://www.savebarneгатbay.org/herbarium/egrass.shtml>

<http://www.dnr.state.md.us/bay/sav/key/eelgrass.asp>

## Fish

<http://www.nefsc.noaa.gov/faq/>

## Sustainable Fishing

<http://www.worldwildlife.org/what/globalmarkets/fishing>

<http://www.seafoodwatch.org>

## Open Ocean



(live shark and outer bay aquarium cam)

<http://www.mbayaq.org/efc>

(virtual field trip: Oceans Alive Grade 4+)

<http://www.mos.org/oceans/index.html>

<http://www.mos.org/oceans/motion/graphingtides.html>

(Data analysis and real-time data)

(sea turtles)

<http://www.conserveturtles.org/educators.php?page=activities>

(above site uses google earth)

<http://www.google.com/earth/download/ge/agree.html>

(Rutgers data recommended for K-12 educators use)

<http://marine.rutgers.edu/outreach/rtd/resources.htm>

(A wealth of information/podcasts/blogs/interactives on the Ocean!)

<http://coseenow.net>

## Virtual Fieldtrips



(various videos of marine species)

<http://oceanfutures.org/learning/kids-cove/creature-feature>

(Coral Reef with Nemo and Jean-Michel Cousteau)

<http://oceanfutures.org/learning/kids-cove/jean-michel-finds-nemo>

(Live video conferencing with a diver—cost approx. \$400)

[http://oceanlink.island.net/SIA/safari\\_index.html#anchor\\_participate](http://oceanlink.island.net/SIA/safari_index.html#anchor_participate)

(Explore the Titanic)

<http://www.expeditiontitanic.com>

(Digital media experience)

<http://www.theblue.com>

(Meet a Meteorologist, The Hudson River)

<http://www.meetmeatthecorner.org>

(Virtual ROV interactive)

<http://www.whoi.edu/main/nereus/>