



## Recommended Teacher Resources

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### **LESSON 1: CORAL, CARBON DIOXIDE AND CALCIFICATION**

#### **Web sites**

NOAA animation of zooxanthellae (Click on purple image.):  
[http://oceanservice.noaa.gov/education/kits/corals/coral02\\_zooxanthellae.html](http://oceanservice.noaa.gov/education/kits/corals/coral02_zooxanthellae.html)

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### **LESSON 2: INQUIRY INTO OCEAN ACIDIFICATION**

#### **Web sites**

Pictures of the effects of ocean acidification on marine organisms:  
<http://www.ocean-acidification.net/>

NOAA Research Council Report on Ocean Acidification:  
[http://www.nrc.noaa.gov/plans\\_docs/2008/Ocean\\_AcidificationFINAL.pdf](http://www.nrc.noaa.gov/plans_docs/2008/Ocean_AcidificationFINAL.pdf)

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### **LESSON 3: OCEAN CURRENTS AND MARINE DEBRIS**

#### **Web sites**

Exploring Earth Visualizations website:  
[http://www.classzone.com/books/earth\\_science/terc/navigation/visualization.cfm](http://www.classzone.com/books/earth_science/terc/navigation/visualization.cfm)

Curtis Ebbesmeyer's Beach Comers Alert website:  
<http://beachcombersalert.org/NikeShoes.html>

NOAA Marine Debris Program's online resources:  
[http://marinedebris.noaa.gov/marinedebris101/resources\\_md101.html](http://marinedebris.noaa.gov/marinedebris101/resources_md101.html)

Story of rubber ducks washing up in Britain:  
<http://www.dailymail.co.uk/news/article-464768/Thousands-rubber-ducks-land-British-shores15-year-journey.html>

#### **Books**

Burns, Loree Griffin. *Tracking Trash Flotsam, Jetsam, and the Science of Ocean Motion (Scientists in the Field)*. Boston: Houghton Mifflin, 2007.

Ebbesmeyer, Curtis. *Flotsametrics And The Floating World: How One Man's Obsession with Runaway Sneakers and Rubber Ducks Revolutionized Ocean Science*. New York: Harper Collins Publishers, 2009.

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## **LESSON 4: AEROSOLS AND CLOUDS**

### **Web sites**

NASA's Earth Observatory: <http://earthobservatory.nasa.gov>

Global maps of aerosol optical depth:

[http://earthobservatory.nasa.gov/GlobalMaps/view.php?d1=MODAL2\\_M\\_AER\\_OD#](http://earthobservatory.nasa.gov/GlobalMaps/view.php?d1=MODAL2_M_AER_OD#)

Calipso sun photometer simulator: <http://calipsooutreach.hamptonu.edu/sunphoto.html>

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## **LESSON 5: SNAPPING SHRIMP**

### **Web sites**

Listen to snapping shrimp at Discovery of Sound in the Sea's online audio gallery:

<http://www.dosits.org/gallery/inverts/2.htm>

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## **LESSON 6: SUSTAINABLE FISHERIES**

### **Web sites**

Homepage of the National Marine Fisheries Service at the National Oceanic and Atmospheric Administration: <http://www.nmfs.noaa.gov>

Article on Catch Shares: <http://articles.latimes.com/2008/sep/19/nation/na-fish19>

Description of Commercial Fishing Methods:

[http://www.fishonline.org/caught\\_at\\_sea/methods/](http://www.fishonline.org/caught_at_sea/methods/)

NOAA overview of Fishing gear and technology:

<http://www.nmfs.noaa.gov/fishwatch/fishinggears.htm>

Article on "How Fish are Caught or Farmed" from Monterey Bay Aquarium's Seafood Watch Program:

[http://www.montereybayaquarium.org/cr/cr\\_seafoodwatch/sfw\\_gear.aspx](http://www.montereybayaquarium.org/cr/cr_seafoodwatch/sfw_gear.aspx)

An overview of the development of fishing technology, late 1800's to 2000:

<http://features.csmonitor.com/environment/2008/06/10/nowhere-to-hide-the-on-slaughter-offishing-technology/>

NOAA Fisheries Service information on Limited Access Privilege (LAP) Programs.

<http://sero.nmfs.noaa.gov/sf/LimitedAccessPrivilegeLAPPrograms.html>

PBS Article on "Marine Fisheries & Aquaculture Series: Empty Oceans, Empty Nets"

<http://www.pbs.org/emptyoceans/educators/activities.html>

### **Books**

Desonie, Dana, Ph.D. Oceans How We Use the Seas (Our Fragile Planet). New York: Chelsea House Publications, 2007.