

Chapter 14 Web Resources

Module 41: Wastewater from Humans and Livestock

Teaching Tip: Video (p. 485)

Sustainability: Water—Baltimore’s Urban Streams, NSF & NBC Learn

Run time: 4 minutes 4 seconds

<http://science360.gov/obj/video/6eeebc75-69bd-43a8-91c8-da54be22b566/sustainability-water-baltimores-urban-streams>

This video explores the pollution problems in the Chesapeake Bay and scientist Claire Welty’s research to solve those problems by understanding the urban water cycle.

Teaching Tip: Video (p. 485)

Sustainability: Water-Nutrient Loading in Lake Erie, NSF & NBC Learn

Run time: 5 minutes 10 seconds.

<http://science360.gov/obj/video/43fed605-9135-4d29-8038-b31ab9ac384b/sustainability-water-nutrient-loading-lake-erie>

This video explores pollution problems in Lake Erie. Researchers are studying farming practices and public policy in order to find ways to improve the water quality in the Great Lakes.

Module 42: Heavy Metals and Other Chemicals

Teaching Tip: Video (p. 494)

Commonly Used Pesticide Turns Honeybees Into “Picky Eaters”, UC San Diego

<http://science360.gov/obj/video/7929c92a-f6e4-4d99-8646-85f3fea9a288/commonly-used-pesticide-turns-honeybees-picky-eaters>

Run time: 2 minutes 41 seconds

Biologists at the University of California, San Diego have found that a commonly-used pesticide affects the feeding behavior of honeybees. This could explain the recent decline in honeybee colonies.

Module 43: Oil Pollution

Teaching Tip: Video (p. 500)

Oil-Spill Cleanup Methods, American Petroleum Institute

Run time: 1 minute 41 seconds

<http://live.wsj.com/video/animation-of-oil-spill-cleanup-methods/AA1145B0-B02A-4730-9F4C-05D8B013A7C7.html#!AA1145B0-B02A-4730-9F4C-05D8B013A7C7>

This is a silent animation by the American Petroleum Institute. It demonstrates different methods of oil-spill cleanup.

Module 44: Nonchemical Water Pollution

Teaching Tip: Video (p. 503)

Toxic Sediments, ABC Australia

Run time: 8 minutes 23 seconds

<http://www.abc.net.au/catalyst/stories/2917562.htm>

This video describes toxic sediment found in Sydney Harbor, Australia. Toxic sediments have created plants and aquatic organisms that are high in contaminants. Two main sources are past industrial processes and current storm water runoff.