

Neighborhood Science

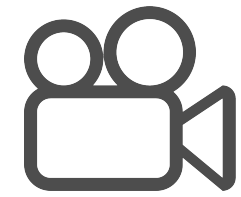
Checkout Science Kits



Seven Neighborhood Science kits that outline engaging, hands-on classroom experiences. These kits are composed of the physical tools for scientific data collection paired with video, slideshow and handout curriculum that aligns with the Next Generation Science Standards.

Modular Curriculum Elements

Video



Activities are started with an engaging video that builds excitement around a scientific topic.

Slides



Self-explanatory slide show presentations empower the facilitator to teach the kit's lessons.

Print



Printable, single page handouts are available to further engage students in the activities and lessons of the kit.

Modular Curriculum Page

Monitoring Water Quality

Lessons

Lessons are short moments of NGSS (Next Generation Science Standards) aligned direct instruction in the format of either video or slides that inform participants of the knowledge necessary to participate in Citizen Science activities.

Activities

Activities frame the moments of Citizen Science participation through hands-on exploration and creation, which includes the activity of using the Neighborhood Science kits to collect data.

What is Water Quality

15 minute lesson

Water quality is measured by several factors, such as the concentration of dissolved oxygen, bacteria levels, the amount of salt, or the amount of solid material suspended in the water.

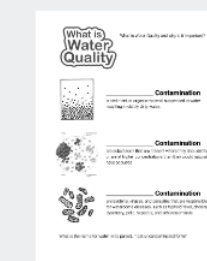
Video



Slides



Print



The Impacts of Water Quality

15 minute lesson

The impacts of poor quality water are far reaching from personal health, industrial use, ecological health, and economic sustainability.

Video



Slides



Print



How to Measure Water Quality

30 minute activity

A TDS meter is a small hand-held device used to indicate the Total Dissolved Solids in a solution, usually water, by detecting increased conductivity of a solution due to dissolved minerals such as salt.

Video



Slides



Print

