CLEAN STEM Flash

A Timely Climate and Energy E-Learning Series to Use and Share

Topic: The Ocean's Getting Warmer
Warm ocean temperatures have significant affects on marine biodiversity.

CLEAN Resource Feature

Video: Warmer Oceans Affect Food Web
This video from PBS Learning Media investigates why certain populations of sea animals were in decline even before the Exxon Valdez oil spill of 1989.

Video length: 2:31 min.
Audience: Middle School, High School

Find more resources about the effects of an oil spill here.

This video explores an important aspect of climate change, which is the altering of ecosystems. Use this video to show your students how the survival of one species can depend on the survival of another.

https://mailchi.mp/be05cd5e0588/warming-oceans-1100565
CLEAN Resource Feature
Visualization: Sea Surface Temperature
This interactive visualization from PBS Learning Media shows sea surface temperatures (SST) and SST anomalies from 1885 to 2007.

Audience: Middle School, High School

Look for more resources related to SST here.

Use this visualization to understand how variations from normal — called anomalies — can help scientists identify warming and cooling trends and make predictions about the effects of global climate change. Discover the relationships between SST and marine life, sea ice formation, local and global weather events, and sea level.

Climate & Energy in the News

This article from Smithsonian.com discusses how ocean heat waves caused by climate change affect marine species. These heat waves are proving to be detrimental to the health of marine ecosystems and are thought to be anthropogenic.
Explore the CLEAN collection of climate & energy learning resources

CLEAN supports teaching and learning about climate and energy with 700+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

Browse the CLEAN collection by NGSS topics.

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