CLEAN STEM Flash

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

Topic: Fun with satellites!

Learn about all of the ways climate scientists use satellite technology — from aerosols to penguin poop.

CLEAN Resource Feature

Video: Why Does Satellite Climate Data Matter?

This video describes the methods of using satellites originally designed for observing changes in the weather to study changes in climate from decade to decade.

Video length: 2:24 min.
Audience: Middle School, High School

Browse CLEAN for more videos focused on satellites.
How do scientists use this one important technology?

Satellite imagery is used by climate scientists in a number of ways. Here's one you may not have considered: some researchers from the University of Connecticut and Louisiana State University recently presented their work on satellite analysis of penguin poop, which shows how climate has changed based on dietary differences.

CLEAN Resource Feature
Activity: Using Satellite Images to Understand Earth’s Atmosphere

In this Earth Exploration Toolbook chapter, students select, explore, and analyze satellite imagery.

* Audience: Middle School, High School

Take a look at some more CLEAN resources using satellite imagery.

In the News: Act on Climate

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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.

Check out the CLEAN STEM Flash Library of past issues.
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