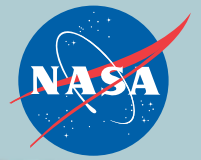


# EARTH

National Aeronautics and  
Space Administration



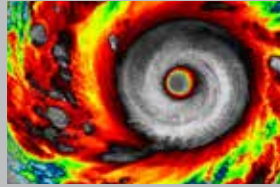
## Science Activities

### ATMOSPHERE



#### Meet the JPSS satellite

Downloadables: [Poster](#)  
[Coloring page](#)  
[Comic Book](#)



#### Eyes in the Sky

Learn how satellites have improved hurricane forecasting.



#### Weather vs Climate

Learn the difference, and how satellites keep an eye on conditions on Earth!



#### What in the World is Happening to our Climate?

Read this climate story.



#### What's in the Atmosphere

Explore the levels of Earth's atmosphere.



#### What is the Greenhouse Effect

Find out how this effect makes Earth special.



#### Exploring Colors in the Atmosphere

What makes the colors in the atmosphere?



#### Seeing small specks from space

Try this:  
[How Clean is your Air?](#)

### PRECIPITATION



#### Water Falls: Getting the Big Picture

Discover how remote-sensing works



#### Show me the Water

Ever wonder how we use freshwater resources around the world?



#### Rain Drop Anatomy

Did you know that a rain-drop is actually shaped like a hamburger bun?



#### Water, Water, Everywhere

DIY: [Make your own Model Aquifer](#)



#### Did You Know Clouds Have Names?

Learn more with this eBook about clouds.



#### Make a Rain Gauge

How much rain do you get? Make a rain gauge to find out.



#### Building for Hurricanes

Investigate how to build towers that can withstand different forces of winds



#### Clouds or Snow?

Try this: [Make a cloud in a bottle](#)

# LAND



## **Landsat 9 Activity Book**

Coloring, Mazes, and More



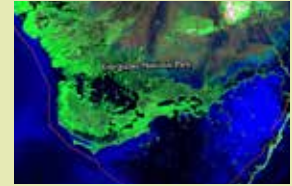
## **Landsat at Home**

Create a flipbook or your own Landsat GIF with these activities.



## **Meet Landsat 9: From Earth to Orbit**

Watch the pieces of Landsat 9 come together.



## **How Landsat Works**

Explore how we use Landsat images to study Earth.



## **Factory Earth Game**

Play a game exploring minerals as seen from space.



## **Lands of Landsat Game**

Learn about the birth of Landsat and how it benefits society.



## **Peeking at Penguins**

Read about why scientists study penguin poop.



## **Spacecraft AR app**

Download the app and see Landsat in your living room!



# ICE



## **How does ICESat-2 measure ice?**

Try this: [Greenland Ice Color-by-number](#)



## **ICESat-2 And Earth's Cryosphere**

Try this: [Ice and Glaciers Quiz](#)



## **ICESat-2 Paper Model**

Follow these [Instructions](#) to make your own satellite model



## **That's a lot of Ice**

Try this: Calculate ice loss in Greenland and Antarctica over the past 16 years.



## **Ice on Earth**

Video: [Scientists trek to the south pole](#)



## **Measuring Biomes**

Watch: [ICESat-2 measures ecosystems like forests, land, and urban areas.](#)



## **Measuring Ice Shelves**

Watch: [How NASA monitors Greenland's ice.](#)



## **Sea Ice Towers**

Build your own 3D model of Arctic sea ice change using blocks.

# OCEAN



## **How do we measure sea level**

Watch: [How melting ice causes sea level rise](#)



## **Ocean Green: Blooming Oceans**

Explore the swirling seas of phytoplankton blooms



## **Ocean Worlds Poster**

Learn about oceans on other planets.



## **Motion in the Ocean**

Watch: [Demo of Motion in the Ocean](#)



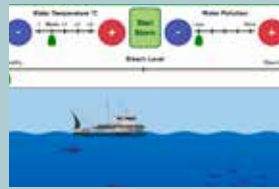
## **Phytoplankton Quiz**

Try out this quiz from NASA's PACE Mission



## **Ocean Quiz**

Test your knowledge about the Ocean



## **Coral Bleaching**

Description



## **Ocean Conveyor Belt**

The global thermohaline circulation system



# BE A CITIZEN SCIENTIST: GLOBE OBSERVER (GO)



## **GO: Mosquito Habitats**

DIY: [Mosquito Tellers](#)  
Investigate: [Mosquito habitats and hideouts](#)



## **GO: Land Cover**

Try this: [LEGO Land Cover](#)  
Watch: [LEGO demo](#)



## **GO: Clouds**

Try This: [Cloud in a Jar](#)  
Watch: [Cloud demo](#)



## **GO: Trees**

Watch: [Intro to GLOBE Observer trees](#)



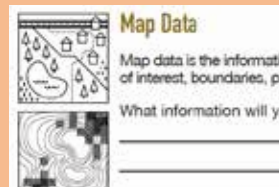
## **Mosquito Larvae Trap**

Video: [Demo on building your own larvae trap](#)



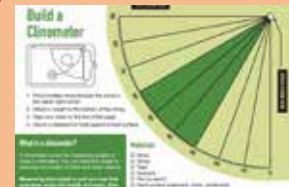
## **Why Observe: Land Cover**

Learn why studying land cover is important



## **Make a Map**

Video: [Making a map demo](#)



## **Build a Clinometer**

Watch: [How to make your clinometer](#)

## ADDITIONAL LINKS:

- STORIES: [Earth Observatory for Kids](#)
- STORIES: [GLOBE Picture Books](#)
- eBook & VIDEOS: [Tour of the EM Spectrum](#)
- KIDS SITE: [Climate Kids](#) & [Climate Kids SPANISH](#)
- App: [NASA Visualization Explorer](#)
- INTERACTIVE: [Eyes on Earth 3D](#)
- HANDS ON: [Earth Day Tool kit](#)
- HANDS ON: [Earth Day at Home](#)