

National Aeronautics and
Space Administration



EXPLORE SCIENCE

NASA GLOBE Clouds Family Guide

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April 4, 2020



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The NASA GLOBE Clouds Team put together a Family Guide with ideas for how to observe, record, and learn about clouds. The guide includes multiple ways to practice cloud observations using the GLOBE Observer app or by creating a science journal. Observations submitted through GLOBE may received NASA personalized emails to participants comparing their observation to satellite data. In the section on Learning about Clouds, hands-on activities using materials that can be found around the house are featured, as well as the GLOBE Elementary books and coloring pages.

There are two new video demonstrations for families. The guide also features NASA Subject Matter Expert profiles.

<https://www.globe.gov/web/s-cool/home/family-cloud-resources>

NASA GLOBE Clouds team members Jessica Taylor and Marilé Colón Robles recorded hands-on activity demo videos with their children. The videos incorporate best practices for adults to do with children, as well as tips on how to work with children of different ages.

Do You Know That Clouds Have Names?



Marilé Colón Robles of NASA Langley Research Center and her two daughters are sharing all about clouds from their home.

<https://youtu.be/vpYXh3xHoS4>

Cloud Cover Estimation Activity Demo



Jessica Taylor of NASA Langley Research Center and her two daughters show you how to do a Cloud Cover Estimation activity using simple materials.

<https://youtu.be/dyeOzaPoXiY>

NASA GLOBE Clouds Family Guide

Children learn about science through exploration, play, and building curiosity by observing the natural world around them.



Cloud observations can be a fun thing to do as a family. NASA is interested in citizen scientists of all ages reporting the clouds they see. NASA is interested in volunteers of all ages to collect scientific observations. With NASA GLOBE Clouds, you and your family can become these volunteers or citizen scientists and report observations of clouds you see in the sky. NASA has a number of satellites orbiting the Earth and collecting data about clouds. Satellites only see the top of the clouds while you see the bottom. By putting these two vantage points together we get a much more complete picture of clouds in the atmosphere.

Learn more from NASA Scientists

Jessica Taylor (watch video) and Marilé Colón Robles (NASA EO Kids).



You and your family can become citizen scientists by making observations of your environment and submitting the data to NASA through the GLOBE Observer app. Scientists can use your data to help interpret NASA satellite data.

Creating a Science Journal

In addition to using the GLOBE Observer app to help record and send your observations to NASA, children may want to keep their own record in a science journal. In Elementary GLOBE storybooks, kids write and draw in their science journals as they investigate the world around them. This is a model for how elementary students can use science journals as they make observations of the natural world. Keeping a science journal provides a place for students to record information and helps focus observations of nature.



It isn't necessary to visit a far-off wilderness area to make observations of the Earth system. Observations of the changing seasons, clouds, and the colors of the sky can be made from any place, from a playground or the backyard, a balcony, or just looking outside a window.

