My NASA Data

Locating Data & Imagery for Student Investigations

Grade Band

- 3-5
- 6-8
- 9-12

Are you searching for NASA data examples to include in your instruction or student research?

The Quick Start Guide lists examples of NASA datasets and imagery that could be used for student investigations related to content and practices in the Framework for K-12 Science Education. This Guide is part of an educators toolkit that features resources for grades K-12 that can support and frame student investigations with NASA data and content.

The NASA Earth Science data visualization tools featured here include:

- My NASA Data's Earth System Data Explorer
- The GLOBE Program
- Precipitation Measurement Missions
- NEO (This has been decommissioned and is no longer available.)
- Worldview
- Giovanni
- ESRI Change Matters Viewer
- Google Earth Engine Time Lapses

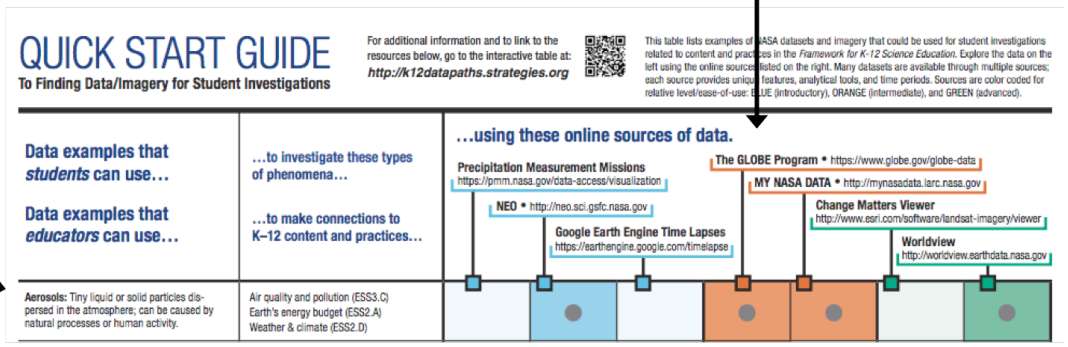
For additional information and to link to the resources below, go to the *interactive table*.

https://sites.google.com/strategies.org/k12datapaths

Many datasets are available through multiple sources; each source provides unique features, analytical tools, and time periods.

Sources are color coded for relative level/ease-of-use:
BLUE (introductory), **ORANGE (intermediate)**, and **GREEN (advanced)**.

Explore the data on the left using the online sources listed on the right.



Mapping Our World

NASA satellites have been mapping Earth for over 40 years. These global observations of the atmosphere, biosphere, land surface, solid Earth, and ocean enable an improved understanding of the Earth as an integrated system. This ***interactive*** visualization and poster allow you to explore data sets from over a dozen NASA Earth science missions for 25 unique views of our world. The images feature data from over a dozen Earth observation missions.

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Mapping **Our World**

About this Interactive/Credits

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NGSS Three Dimensional Learning

Crosscutting Concepts

- Patterns
- Scale, Proportion, and Quantity
- Systems and System Models
- Stability and Change

Document Resources

- QUICK START GUIDE