



SfS Away from the Classroom!

SCIENCE
FROM SCIENTISTS

ES08: Solar System (Recommended for Grades 3-8)

Please use the following resources to learn about the solar system!

Watch this Video:

<https://video.nationalgeographic.com/video/101-videos/0000015d-e652-d466-a57f-feda8c1c0000>

Answer these questions:

- How many planets are in our solar system?
- What are the two categories of planets?
- Explain a unique feature about Uranus.

Activities: Follow these directions to learn more about our solar system!

1. Scroll this scaled (for distance) version of the solar system and answer the following questions
http://joshworth.com/dev/pixelspace/pixelspace_solarsystem.html
 - Change the scale at the bottom of the page (e.g., km, AU, pixels, blue whales!) does anything change? Does anything stay the same?
2. Explore each of the planets by clicking on their image here:
<https://solarsystem.nasa.gov/planets/overview/>
 - What is a planet?
 - Record a fun fact about each planet
 - ❖ Mercury -
 - ❖ Mars -
 - ❖ Earth -
 - ❖ Jupiter -
 - ❖ Saturn -
 - ❖ Uranus -
 - ❖ Neptune -

Make observations & use Claims, Evidence, and Reasoning!

1. **Claim:** Pluto should *not be* considered to be a planet in our solar system.
 - **Evidence:**

 - **Reasoning:**
2. **Claim:** Pluto *should* be considered to be a planet in our solar system.
 - **Evidence:**

 - **Reasoning:**

