



## Activity 3: Learning About Space

### Question

*How do scientists gather information about planets, moons, and other objects in space?*

In this activity you will research various technologies and procedures used to learn about planets and other objects in the night sky.

### Resources

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Access the following websites using these links:

- NASA Jet Propulsion Laboratory Mission Control  
(<https://www.jpl.nasa.gov/>)
- NASA Missions Index  
(<https://www.nasa.gov/missions>)
- Keck Observatory  
([http://www.keckobservatory.org/index.php/about/the\\_observatory/](http://www.keckobservatory.org/index.php/about/the_observatory/))
- Radio Telescopes (<https://public.nrao.edu/>)
- International Space Station  
([https://www.nasa.gov/mission\\_pages/station/main/index.html](https://www.nasa.gov/mission_pages/station/main/index.html))

### Instructions

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1. You will choose three technologies from the list below (and research the use of each technology).

- The Keck Telescopes in Hawaii
- Radio Telescopes
- International Space Station
- Voyager 2
- Explorer 1
- Aquarius
- Mars Exploration Rover - Opportunity
- Spitzer Space Telescope

You need to answer the following questions:

- Where did the technology go?  
HINT: Is it designed to operate on Earth? Was it sent to a certain region of space?

- What was the technology designed to do?

HINT: Is it designed to take pictures? Gather data? What was is designed to study?

- What information did the technology collect? Choose three major discoveries if there are too many to list.

HINT: What new information was learned from using this technology?

3. Construct an information page for each of the three technologies you research. Your information page should include:

- name and picture of your technology
- what it was designed to do
- what information did it collect
- where did it go



Exit Pass: Lesson 1

### Activity 3 Information Pages