Unit 1 Notebook:Sky Science

 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

Access the following websites using these links:

• NASA Jet Propulsion Laboratory Mission Control

([https://www.jpl.nasa.gov/](http://www.jpl.nasa.gov/%29))

• NASA Missions Index

([https://www.nasa.gov/missions](http://www.nasa.gov/missions%29))

• Keck Observatory

(http[:1/www](http://www.keckobservatory.orglindex.php/about/the_observatory/%29).[keckobservator](http://www.keckobservatory.orglindex.php/about/the_observatory/%29)y.orglindex.[php/about/the\_observatory/)](http://www.keckobservatory.orglindex.php/about/the_observatory/%29)

• Radio Telescopes (https://public.nrao.edu/)

• International Space Station

([https://www.nasa.gov/mission\_pages/station/main/index.html](http://www.nasa.gov/mission_pages/station/main/index.html%29)) **Instructions**

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?

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• 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

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