

# Research and Investigation

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Space probes and rovers are made to conduct science experiments. They have helped scientists gather information about our planets and solar system. Most probes and rovers are not designed to return to Earth and some have even landed on other planets. Other probes have flown past the planets and taken pictures of them for scientists to see. The information they help us begin to understand what happens on other planets and our solar system.



The Challenge:

Work with your team to research and investigate how space probes and rovers are built.

Rules:

1. Your team must assign and perform the following roles:
  - Navigator- Using correct terms, gives the Operator directions
  - Operator- Operates the mouse and keyboard
  - Director- Keeps all team members focused and on task
  - Monitor- Monitors the noise level of the group and watches the time
  - Recorder- All members will record their data in their Science Notebooks
2. Use the following web sites for your research:
  - <http://www.space.com/17458-voyager-spacecraft-explained-solar-system-infographic.html>
  - [http://www.esa.int/esaKIDSen/SEMDIIXJD1E\\_Technology\\_0.html](http://www.esa.int/esaKIDSen/SEMDIIXJD1E_Technology_0.html)
  - <http://mars.jpl.nasa.gov/msl/mission/spacecraft/>

Work with your team to discover how space probes and rovers are built. Record your data in your Science Notebook.