



Cub Scouts (Tiger, Wolf, Bear, and Webelos) can use many of the science activities listed below to help fulfill requirements for several of the badges Cub Scouts can earn:

PROGRAM 1 - Science Activities:

1. Create a simple model of the Solar System.
2. Learn how to observe the Sun safely.
3. Learn about astronomical terms (star, planet, moon, galaxy, etc.)
4. Look through a telescope and binoculars.
5. Identify constellations using a star chart.

PROGRAM 2 & OVERNIGHT - Science Activities:

(Scouts will do most if not all of the activities listed below)

1. Build a model solar system and chart the distances between the planets so that the model is to scale. Use what you learn from this requirement to explain the value of making a model in science.
2. Learn about the energies that are emitted from the Sun and how to observe the Sun safely.
3. Learn about astronomical terms (star, planet, moon, galaxy, etc.)
4. Learn about the history of space flight and about important past and present space missions.
5. Look through a telescope and binoculars.
6. Identify constellations using a star chart.
7. Learn about the North Star (Polaris).
8. Find out about at least two different jobs related to space and astronomy.
9. Visit a planetarium or science museum.
10. Identify at least six tasks performed by robots.
11. Learn about some instances where a robot could be used in place of a human to perform tasks.
12. Learn about space missions that use robots and remotely operated vehicles.
13. Visit a place that uses robots.
14. Visit a facility that employs scientists and talk to them about their work.