



Cub Scout Astronomy

Cub Scout Academics and Sports Workbook

This workbook is not required but can help you with this award. Belt Loops and Pins may be earned more than once.

Links to other workbooks and resources are at the end of this workbook: [Online Resources](#).

Send comments to the workbook developer: craig@craiglincoln.com. Workbook updated: March 2008.

Scout's Name: _____

Pack: _____

Cub Scout Astronomy Belt Loop (See the [Pin Requirements](#) below.)

Complete these three requirements:

1. Set up and demonstrate how to focus a simple telescope or binoculars. _____
2. Draw a diagram of our solar system--identify the planets and other objects.

3. Explain the following terms: planet, _____
star, _____
solar system, _____
galaxy, _____
the Milky Way, _____
black hole, _____
red giant, _____
white dwarf, _____
comet, _____
meteor, _____
moon, _____
asteroid, _____
and universe. _____

Cub Scout Astronomy Pin

Earn the Cub Scout Astronomy belt loop, and complete five of the following requirements:

1. Draw a diagram of a telescope and explain how it works.

2. Locate and identify five constellations. You may use a telescope.

3. Using a telescope, find at least one planet and identify it. _____

4. Find the North Star. Explain its importance. _____

5. Interview an astronomer. _____

Learn about careers that relate to Astronomy. _____

What school subjects will help you get a job in astronomy? _____

6. Visit an observatory or a planetarium. Give a report on what you learned to your den. _____



Explain why these locations are good for astronomy. _____

Online Resources *(Use any Internet resource with caution and only with your parent's or guardian's supervision.)*

Boy Scouts of America: <http://www.scouting.org/> [Guide to Safe Scouting](#) [Age-Appropriate Guidelines for Activities](#)

Other Cub Scout Academics and Sports Workbooks: <http://meritbadge.org/index.php?title=CSW>

The [Cub Scout Academics and Sports Program](#) expands on the rank and elective requirements for:

Tiger: <http://meritbadge.org/index.php?title=Tiger>

Wolf: <http://meritbadge.org/index.php?title=Wolf>

Bear: <http://meritbadge.org/index.php?title=Bear>

Webelos: <http://meritbadge.org/index.php?title=Webelos>

Webelos Activity Badge Workbooks: <http://meritbadge.org/index.php?title=WW> -or- usscouts.org

Planet Locations: <http://stardate.org/nightsky/planets/>

Constellations: <http://stardate.org/nightsky/constellations/>

Night sky: <http://www.heavens-above.com/> Click [select from map](#) to enter your location then click [Constellations](#).

Details on the planets: <http://www.skyandtelescope.com/observing/objects/planets/>

Astronomical League: <http://www.astroleague.org>

Astronomy Watch: <http://www.astronomy-watch.com>

NASA: <http://www.nasa.gov>

National Optical Astronomy Observatory: <http://www.noao.edu>

National Radio Astronomy Observatory: <http://www.nrao.edu>

The Planetary Society: <http://planetary.org>

Sky Maps: <http://www.skymaps.com>

Space Telescope Science Institute: <http://hubblesite.org>

Sky & Telescope: <http://www.skyandtelescope.com/>

Space.com: <http://www.space.com/>

SpaceWander.com: <http://www.spacewander.com>

SpaceWeather.com: <http://www.SpaceWeather.com>