



Cub Scout Academics: Astronomy

Cub Scout Pack 49

Denison, Iowa

Name of Scout: _____ Den: _____ Date: _____

Please check what you have completed for either the loop or the pin:

REQUIREMENTS FOR THE ASTRONOMY ACADEMICS BELT LOOP

Complete these three requirements:

- ___ Set up and demonstrate how to focus a simple telescope or binoculars.
- ___ Draw a diagram of our solar system—identify the planets and other objects.
- ___ Explain the following terms: planet, star, solar system, galaxy, the Milky Way, black hole, red giant, white dwarf, comet, meteor, moon, asteroid, and universe.

REQUIREMENTS FOR THE ASTRONOMY ACADEMICS PIN

- ___ Required: Belt loop previously earned (or all three of the above requirements checked).

Complete five of the following requirements:

- ___ Draw a diagram of a telescope and explain how it works.
- ___ Locate and identify five constellations. You may use a telescope.
- ___ Using a telescope, find at least one planet and identify it.
- ___ Find the North Star. Explain its importance.
- ___ Interview an astronomer. Learn about careers that relate to Astronomy. What school subjects will help you get a job in astronomy?
- ___ Visit an observatory or a planetarium. Give a report on what you learned to your den.
- ___ Make a poster illustrating the different kinds of stars. Include a diagram showing the life cycle of a star.
- ___ Learn about some of the early space missions. Tell your den or family about one of them.
- ___ Find a current event about a recent happening related to space. Tell your den or family about this event.
- ___ Make a chart to show the phases of the moon over a two-month period. Define a blue moon.
- ___ Write a report on two famous astronomers.
- ___ Locate three major observatories on a map. Explain why these locations are good for astronomy.

I certify that this Cub Scout has completed the above marked requirements to the best of his ability.

Signed: _____ Date: _____