



Astronomy

Beltloop and Pin Worksheet

Cub Scout Academic & Sports Program

Scout Name: _____

Pack/Den: _____

Astronomy Belt Loop

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, star map, and universe. _____

Astronomy Pin

Earn the Astronomy beltloop, and complete five of the following requirements:

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

2. Explain how to use a star map. _____

3. Draw and label five constellations. See if you can locate any of them in the sky using a star map. _____

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

5. With you parent's or adult partner's permission, interview an astronomer. This person may be a professional or an amateur astronomer from a local astronomy club. Report on what you learned to your Den, Patrol or family. _

6. Learn about careers that relate to Astronomy. Make a list of those careers. Tell your Den, Patrol or an adult family member what school subjects will help you get a position in those careers. _____

7. Visit a planetarium or a local astronomy club. Give a report on what you learned to your Den or Patrol. _____

8. Make a poster illustrating the different kinds of stars. Include a diagram showing the life cycle of a star. _____

9. Learn about some of the early space missions. Tell your Den, Patrol or family about one of them. _____

10. Find a news story about a recent happening related to space. Tell your Den, Patrol or family about this event. _____

11. Write a report on two famous astronomers. _____

12. Locate three major observatories on a map. Explain why these locations are good for astronomy. _____
