

Cub Scouts Astronomy Pin

Requirement:

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

Potential Activities:

- **View a Night Sky Live Show**
- **Visit the Atwood Sphere** (with additional ticket or during Astroovernight program)

Watch the Night Sky Live Show or visit the Atwood Sphere exhibit and record five constellations below.

1. _____
2. _____
3. _____
4. _____
5. _____

Requirement:

8. Learn about some of the early space missions. Tell your den or family about one of them.

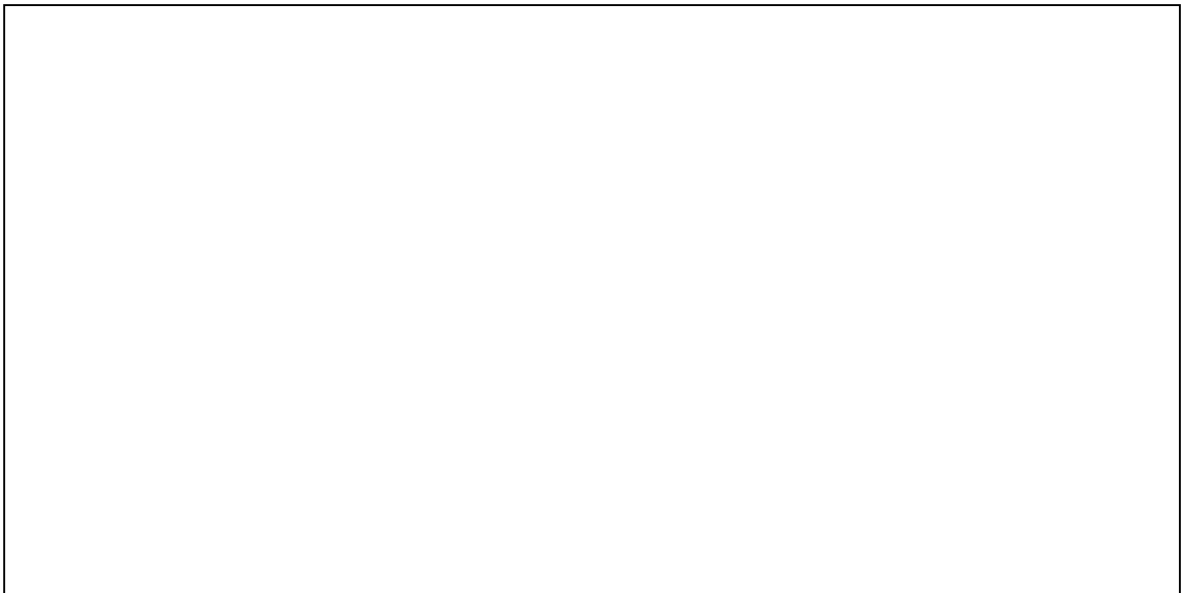
Activity:

- **Visit the Shoot for the Moon Gallery**

The first Earth-orbiting satellite was launched by the Russians and called "Sputnik." Find the model of this important satellite hanging from the ceiling. What do you notice about it?

Some of the earliest missions from the United States were the Mercury Missions. In 1961, Alan Shepard became the first American to go into Space. How long was his flight?

After the Mercury Program came the Gemini Program. We have one of the real Gemini capsules! Look at the Gemini 12 capsule and draw a picture of it.



What does it look like inside?

Watch the short video that is playing near the capsule. Which astronauts went up in the Gemini 12?

What was the purpose of the Gemini missions?

Next you can read about all of the Apollo Missions, the missions that took men to the Moon. Find the panel about Apollo 11. What were the astronauts in Apollo 11 the first to do?

Find the real space helmet in our display. This never got used in space because there was a problem with Apollo 13. Read about Apollo 13. What did you learn?

Requirement:

9. Find a current event about a recent happening related to space. Tell your den or family about this event.

Activity:

- **Research and learn more about current events in space at www.nasa.gov**

Name a current event in space:

What research is being done?

Why is this research important?

What other important information did you find?

Requirement:

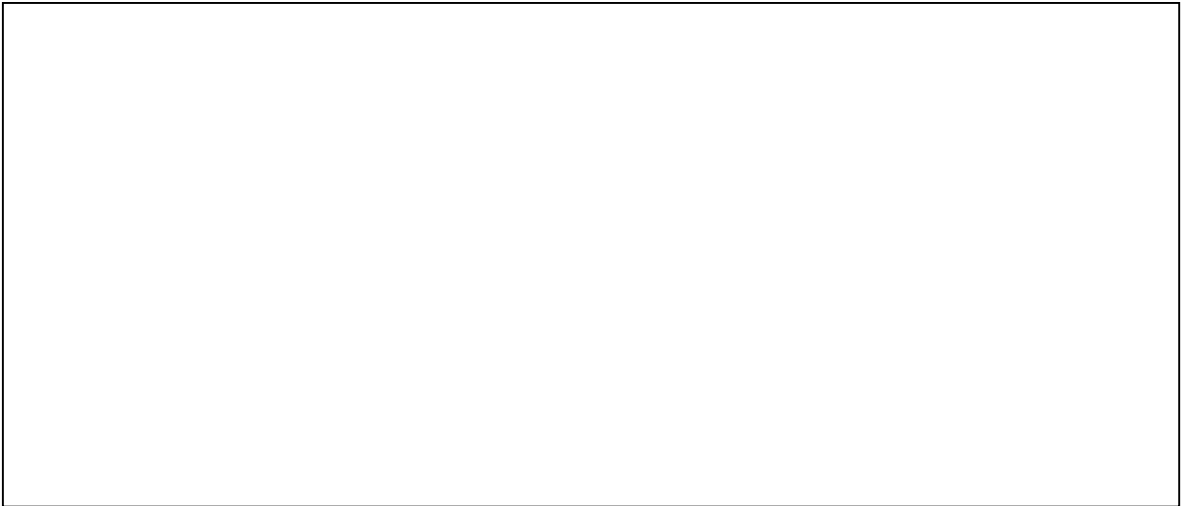
10. Make a chart to show the phases of the moon over a two-month period. Define a blue moon.

Activity:

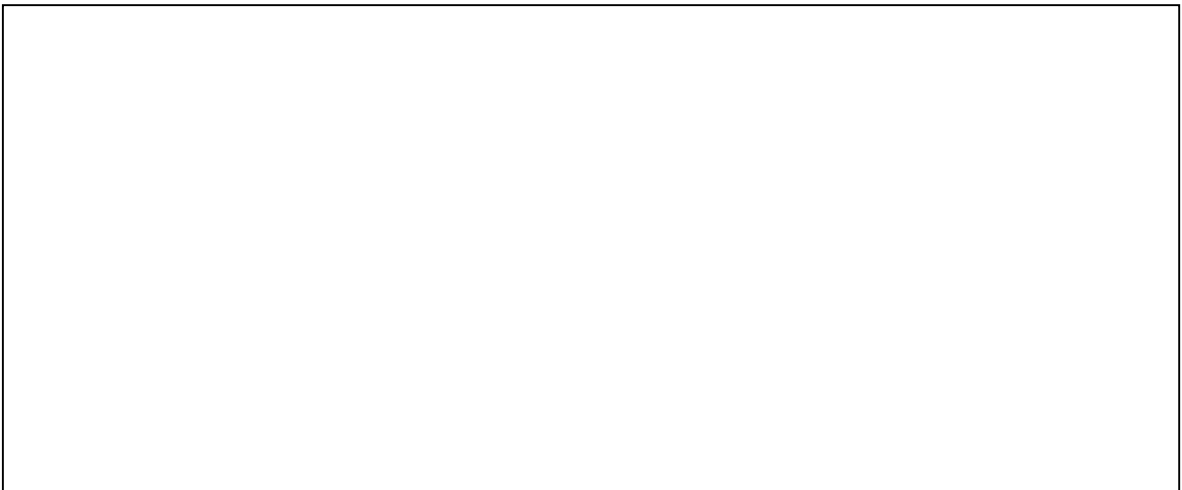
- **Visit the Adler Planetarium Cyber Space website to learn more about Moon Phases.**
<http://www.adlerplanetarium.org/cyberspace/>
- **Night sky viewing**

Chart the phases of the moon below.

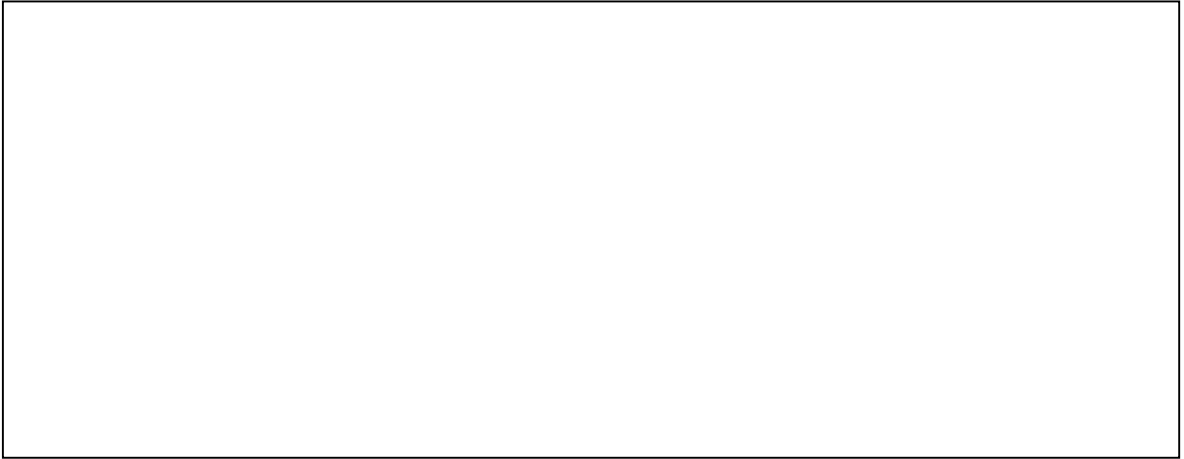
Week One:



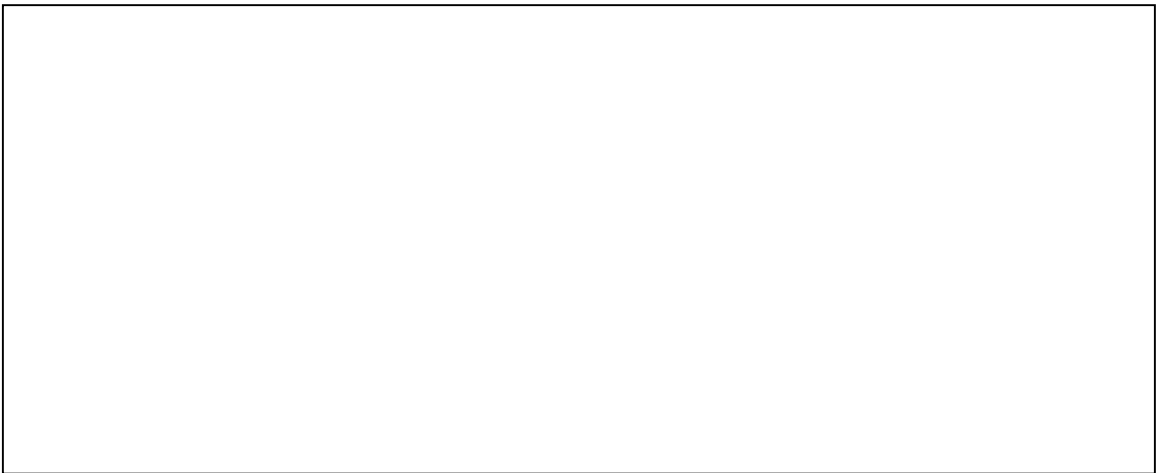
Week Two:



Week Three:



Week Four:

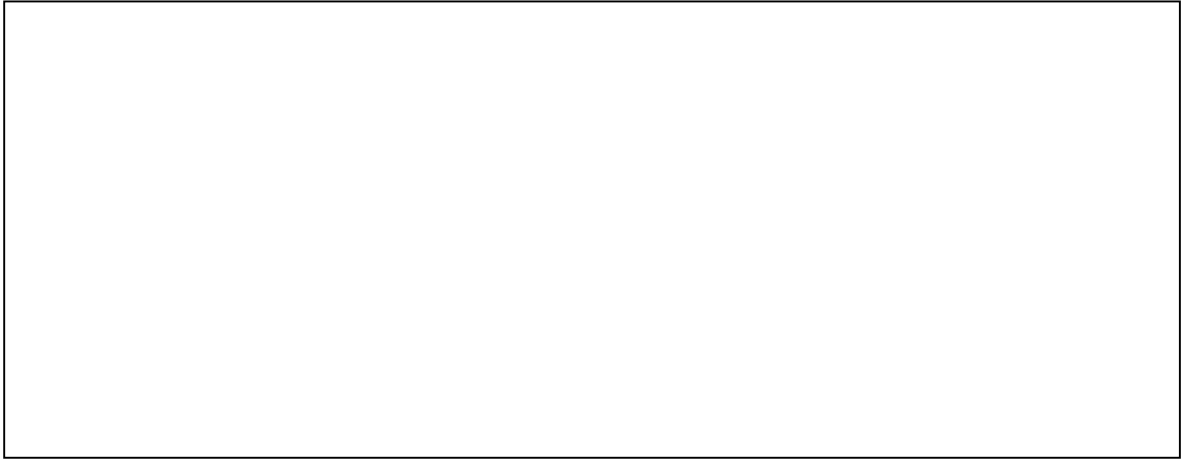


Week Five:

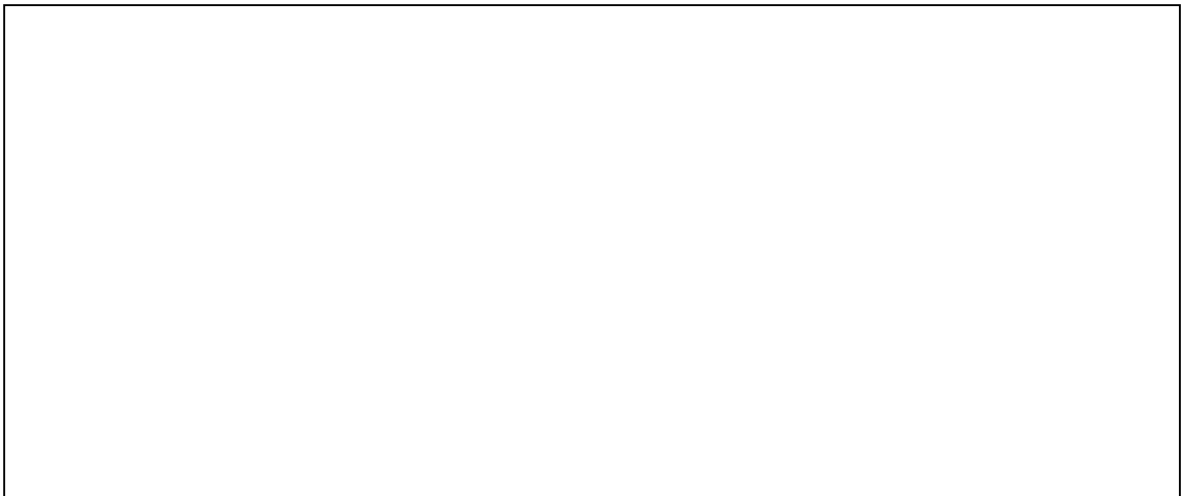


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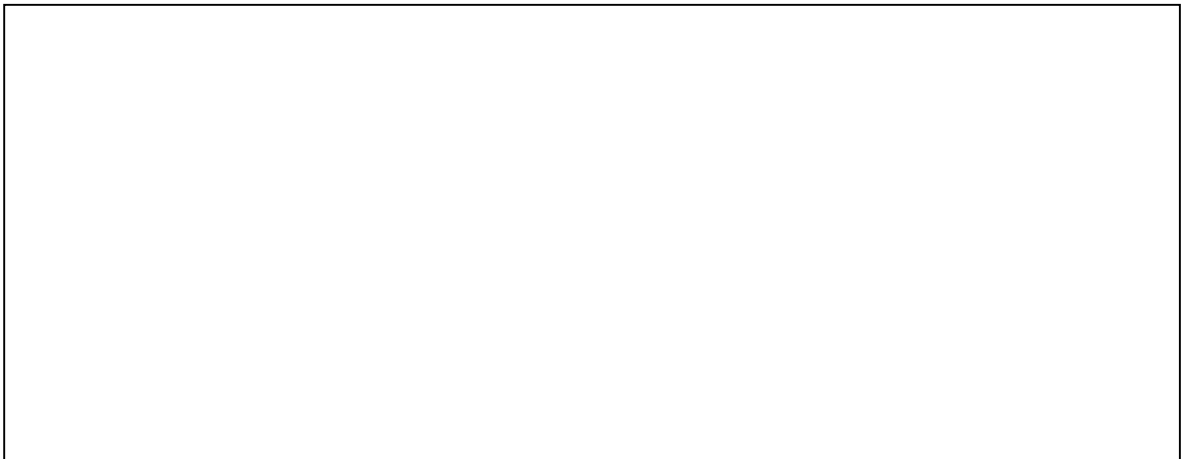
Week Six:



Week Seven:



Week Eight:



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