

STARGAZING ACTIVITY

Materials Needed:

- Cell phone or tablet
 - Download a star gazing app such as the free ones listed below:
 - *iPhone users download the free app called “SkyView Lite”*
 - *Android users download the free app called “Sky Map”*

Steps:

1. Download the respective apps located in the “*materials needed*” section
2. After dark, find a nice place outdoors where you can lie down and explore the night's sky.
3. Using your mobile device, open the app from step 1 and take this chance to learn about a specific astronomy topic that interests you. If the app offers a tutorial, be sure to take it so you can learn about all of the different features the app has to offer.
4. At the end of the activity, reflect on some of the things you learned.

Badge Steps Completed:

- *Cadette Night Owl step 3*

While stargazing, see if you can fill in the blanks to these fun facts!

1. The _____ was thought to have formed nearly 4.5 billion years ago, not long after the Earth.
2. _____ is the second planet from the sun, orbiting it every 224.7 Earth days.
3. Three quarters of the _____ mass consists of hydrogen.
4. The zodiac sign named _____ is Latin for ram.
5. The ancient Greeks had two names for the planet named _____. Those names were Apollo (morning _____) and Hermes (evening _____).
6. It takes sunlight about 13 minutes to reach the planet _____.



In the spaces provided draw two constellations that you just discovered.
Write down three fun facts you learned about each one.

Constellation:

Constellation:

Fun Facts:

- 1. _____

- 2. _____

- 3. _____

Fun Facts:

- 1. _____

- 2. _____

- 3. _____

