

## Space Science Adventurer – Brownie



### 1. Meet the neighbors

Memorize the names of the planets in our solar system by creating a mnemonic device with the first letters of every planet – Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. For example: **My Very Excellent Map Just Showed Us North**. If you would like to include Pluto, you can! Your mnemonic device can be a song, poem, or sentence.

### 2. See more than before

If you have one at home, set up a telescope or use a pair of binoculars to observe the night sky. If not, team up with an adult and go to <https://staratlas.com/> to see what the stars look like in your corner of the world. What stars are visible tonight? What constellations do you see?

### 3. Investigate the Moon

Learn about the phases of the moon using the graphic below. Then, copy the eight phases onto a piece of paper, color in each phase, and cut them out. Jumble them up without looking, then try to put them back in order. No worries if it takes a few tries!



### 4. Be a stargazer

Take a look at some of the constellations below. Then, on a blank piece of paper, cover it randomly with little stars. Next, connect some of the stars to create a shape, making your very own constellation! It can be an animal, a person, an object, a word... whatever you'd like! Give your constellation a name and share it with a friend or family member.



5. Celebrate and share

Have a space party! Dance in the dark with flashlights and glowsticks, have an adult help cut fruit and snacks into the shapes of stars and moon phases, and if you're feeling adventurous, pitch a tent in your backyard and sleep under the stars.

**In order to complete this badge, send a photo or short video of your girl working on Step 3 to [ssmith@girlscoutsoaz.org](mailto:ssmith@girlscoutsoaz.org)**

**Make sure to include your girl's name in the email, and whether we can share your photo or video on social media! You can purchase Badges at our online store**

**<https://www.girlscoutshop.com/SOUTHERN-ARIZONACOUNCIL>**