

# Space Science Adventurer Badge

**Purpose:** Learn how to investigate and learn about the sun, moon, planets, and stars.

## Step 1: Name those planets

A mnemonic device is a complicated name for a fun idea. It's just a way to help you remember something, often in a very silly way. Come up with your own way to remember the names and the order of the planets in our solar system by writing a sentence, poem, or song that uses the first letter of each planet in order. Here is a list of planet names: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. So, an example sentence is My Very Excellent Map Just Showed Us North. Once you've come up with your mnemonic device, teach it to a friend or family member.

## Step 2: See more than before

See the stars with a computer. Space scientists use tools like telescopes to view the night sky, and they use computers, too! Team up with an adult and visit [girlscouts.org/SpaceScienceEarthSky](https://www.girlscouts.org/SpaceScienceEarthSky). What can you see? Are there any planets out tonight? What does the sky look like in other parts of the world?

## Step 3: Investigate the moon

Make a moon art project. You've probably looked at the moon at night lots of times, but have you ever seen it during the day? It doesn't look as bright against a bright blue sky, but you can often see it in the daytime! Make an art project showing the moon during the day or at night. Use any art form you'd like—be sure to include the shadows and textures you see when you look at the moon!

## Step 4: Be a stargazer

Tell a star story. Before people could read or use technology to communicate, they told stories. Stories about the constellations helped share information. Sometimes it was practical information, like how to use the constellations for directions. Other stories gave examples of values—like honesty or bravery—that people thought were important. Do you know one of these stories? Can you find one? After you read it, come up with your own star story about a constellation. Then share your story with your family or friends—you could draw pictures, sing a song, write a poem, or act out your story in a skit.

## Step 5: Celebrate and share

Attend a stargazing event. Talk to an adult about attending an event with the Night Sky Network as an end-of-badge celebration with your family or friends. Many cities are hosting virtual star parties online, too. With an adult, visit the Night Sky Network at [nightsky.jpl.nasa.gov](https://nightsky.jpl.nasa.gov) to find one.

**Congratulations! You've earned the Home Scientist badge!**

Girl Scout Brownies



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800.582.7272 | [gs-top.org](https://gs-top.org)  
[customercare@gs-top.org](mailto:customercare@gs-top.org)

