

<b>One Way to Earn the Space Science Badges as a Multi-Level Troop</b>	What Daisies Do	What Brownies Do	What Juniors Do	What Cadettes Do	What Seniors Do	What Ambassadors Do
Girls research and build models of the solar system using salt dough or other simple craft materials. They meet with someone from their local astronomy club to learn more about how humans are made up of star dust, and about light, the sun, other stars and planets, and the constellations in our view.	1. Explore the Sun	1. Meet the neighbors	1. Model the Solar System	1. What more can you see?	1. Uncover the stuff you're made of.	1. Discover worlds beyond Earth
Girls learn about NASA and watch an interview with a NASA scientist on Girl Scouts at Home. They plan a moon observation project to track and chart the stages of the moon. They research our closet star, the Sun, and watch a video of planets orbiting the sun. Each planet is a different distance from the Sun, and they all orbit at different speeds. Girls discover how old they would be on Mars, and Jupiter. Interested girls learn more about space science careers by going online at the "Women@NASA" site here: <a href="http://www.girlscouts.org/WomenatNASA">www.girlscouts.org/WomenatNASA</a> or to <a href="http://www.girlscouts.org/NASASTudentOpportunities">www.girlscouts.org/NASASTudentOpportunities</a> .	2. Observe the Moon	2. See more than before	2. Circle the Sun	2. Explore "invisible" light	2. Explore the brilliance of the stars.	2. Dive into NASA science
Girls go on a night sky scavenger hunt. They learn what phase the moon is in, try to find a planet, a double star, and three stars that are different colors. Girls find constellations and learn the stories and fables about them.	3. Meet the Stars	3. Investigate the Moon	3. Discover the stars	3. See the stars in a new way	3. Discover telescopes as light collectors.	3. Explore your interests
Girls make a paper star wheel and use it to find several stars or a planet using a telescope. They learn how to compare their eyes to telescopes. They also try out using an online telescope, and get a taste for what it's like to be an astronomer. Older girls visit <a href="http://www.girlscouts.org/NASACitizenScientists">www.girlscouts.org/NASACitizenScientists</a> to join the Citizen Science movement.	3. Meet the Stars	4. Be a stargazer	4. Use the tools to explore	4. Expand your vision	4. Find the light in the darkness.	4. Dig deeper
Girls hold a star party with friends to celebrate all they learned. They choose a favorite star, learn astrophotography and take pictures of their favorite thing in the night sky. Using paper tubes, straws, plastic food containers, egg cartons, and other craft materials, girls work in groups to build		5. Celebrate and share	5. Share your sky	5. Conserve the night sky	5. Share your knowledge.	5. Share what you've learned