

Girl Scout Badge Activities - SPACE SCIENCE BADGES

DAISY – Space Science Explorer

1. Explore the Sun – Make a Shadow Poster
2. Observe the Moon – Learn about Moon Phases
3. Meet the Stars – Design your own Constellation

BROWNIE – Space Science Adventurer

1. Meet the Neighbors – Make a Picture of the Planets
2. See More than Before – Build and/or use a Telescope
3. Investigate the Moon – Learn about Moon Phases
4. Be a Stargazer – Design your own Constellation and Star Story
5. Celebrate and Share – Learn about Star Parties and Share a Space Snack

JUNIOR – Space Science Investigator

1. Model the Solar System – Build Scale Models of the Solar System
2. Circle the Sun – Find your Age on other Planets
3. Discover the Stars – Create a “Girl Scout Minute” or Go on a Sky Scavenger Hunt
4. Use Tools to Explore – Build a Planisphere
5. Share your Sky – Learn about Star Parties and Create a Space Show

CADETTE – Space Science Researcher

1. What more can you see? – Make prism pictures with diffraction glasses
2. Explore “invisible” light – Detect infrared and ultra violet light
3. See the stars in a new way – Classify Stars
4. Expand your vision – Use a telescope
5. Conserve the night sky – Learn about light pollution

SENIOR – Space Science Expert

1. Uncover the stuff you’re made of – Learn about why you are “star stuff”
2. Explore the brilliance of Stars – Explore the lifecycle of stars
3. Discover telescopes as light collectors – Build a telescope
4. Find the light in the darkness – Analyze the nature of light
5. Share your knowledge – Describe how a telescope works

AMBASSADOR – Space Science Master

1. Discover worlds beyond Earth – Tourist brochure for a Solar System object
2. Dive into NASA science – STEM careers
3. Explore your interests – Build a telescope
4. Dig Deeper – Challenger Center space mission
5. Share what you learned – Create a collage about women role models in STEM

[Consider adding a Planetarium Show to your Girl Scout Program!](#)