

Science in Action Badge For Junior Girl Scouts

Science is much more than theories. It is an important part of everyday life. Girls experience the widespread use of science as they earn this badge.

The Science in Action Badge appeared in *Girl Scout Badges and Signs* (1990) but was not included in the *Junior Girl Scout Badge Book* (2001). However, the badge is still available here online, adapted for the Web.



Complete at least five activities.

1. Emergency Science

Invite firefighters, police officers, or emergency medical technicians to troop/group meetings, or visit them at work to learn how they use science and technology in their jobs.

2. Got to Communicate

Find out how two or more of the following communications technologies work: cellular or digital phones, the Internet, videoconferencing, or beepers.

3. Technology-Abled

Learn how your community uses technology to meet the needs of people with disabilities. Talk to people in the community who have disabilities to find out about their needs. Make suggestions for future community efforts, and try to carry out one idea.

4. I'll Jet Right Over

Transportation that doesn't pollute and is accessible to everyone is needed worldwide. Design a transportation system or type of transportation for a city or country in the year 2050.

5. Science in Manufacturing

Visit a factory or assembly plant in your community. Find out how science and technology are used there.

6. Science in Agriculture

Visit a farm or other agricultural business to learn how it uses science in growing crops.

7. Engineering 101

Find out about different kinds of engineers. Learn what they do, what training they need, and what they enjoy about their jobs. Visit engineergirl.org Sponsored by the National Academy of Engineers.

8. Bridge Building

Report on a bridge:

- Find out about a bridge in your community. What kind of bridge is it? When was it built? How much weight can it safely support? How much traffic does it usually have?
- Make a chart of your findings, and share it with your troop/group. You may also want to share it with local government leaders.

OR

Build a bridge:

- Make a model of a suspension bridge, using rope, twine boxes, chairs, or other materials.
- Or in a group, experiment with building the longest bridge or the strongest structure.

9. Slurping Plant

Do "The Incredible Slurping Plant" activity on page 174 of the *Junior Girl Scout Handbook*.
