Science in Action



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.