

Amazing Bridges

Creative Expression



EXPLORE



MEETING

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



8 DECENT WORK AND
ECONOMIC GROWTH



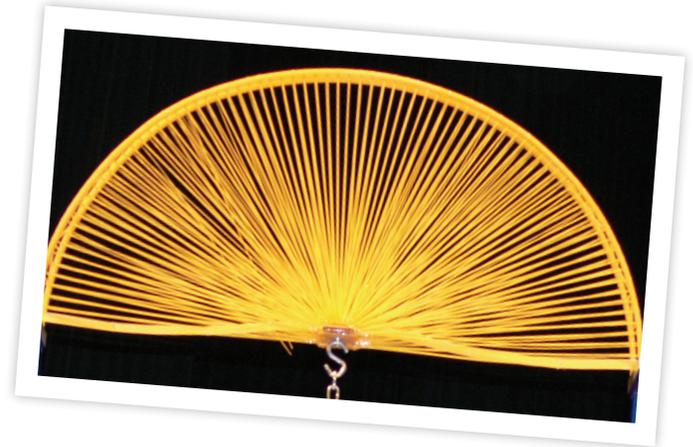
What You Will Discover

Find out how to build your own bridge using unconventional materials.

The Adventure

Using different unconventional materials (newspaper, spaghetti, etc.), challenge your Lair or Patrol to build a bridge that can hold a certain amount of weight. Figure out what materials and shapes work best. How can you build the strongest bridge using the fewest materials?

Image taken from **Wikipedia**



**NSERC
CRSNG**



It starts with Scouts.

Plan

- What materials will you need to build your bridge?
- How can you make sure you do not make a big mess while making your bridge?
- Where will you find out how bridges work?

Do

#ScoutsDoStuff: Take photos of your bridges and share them! Better yet, challenge other Sections to build a stronger bridge.

Review

- How much weight was your bridge able to hold?
- What could you change to make your bridge hold more weight?
- How does this activity apply to real-life building?

Safety Note

- How can you be safe while making your bridge?
- If you're making a bridge for someone to stand on, how can you make sure you're being safe while testing it out?

Try this

Keep it Simple

Start small with a toy car challenge. Reusing an old egg carton, a few pencils or sticks, some rubber bands and whatever other materials you have on hand, try building a structure that can support the weight of a small car.

Take it Further

Don't stop at a miniature bridge—try making one that can hold the weight of a member of your Patrol! What materials could you use to scale your bridge up to support the weight of a person? Invite an engineer in for advice and ideas!

