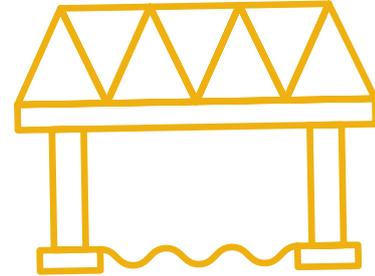


Spaghetti Bridge Challenge

Design and build a bridge



What will you need?

- Uncooked spaghetti
- Marshmallows
- Small weights to test the bridge's strength (e.g., a toy car or a stapler)
- Measuring tape or ruler to measure length of bridge
- Paper and pen to sketch bridge
- Scissors to cut bridge if needed
- Hot glue sticks and a glue gun (*optional - do not let students use hot glue unsupervised*) instead of marshmallows

How can you do this?

- In groups, discuss how you are going to build a strong marshmallow bridge.
- Brainstorm ideas and sketch solutions. Think about the shape of the bridge.
- Select the best idea and plan the materials you will need.
- Create your bridges.
- Test your bridges by placing the small weight in the middle and see if it holds for at least 30 seconds.
- Repeat and improve your design.

