

How Strong is a Piece of Paper Challenge

STEM Activity

The Activity

Can you investigate which shaped tower will hold the most books? Create a cuboid tower, a cylindrical tower and a triangular prism tower, using paper and tape.

Instructions

1. Create three towers using only paper and tape.
A cylinder, cuboid and triangular prism.
2. Predict which tower you think will be the strongest.
3. Record how many books each tower will hold before breaking.
4. Which tower was the strongest? Why do you think this was?

You will need:

Paper
Tape
Books

Ways to Extend

Complete the activity using different mediums such as sugar paper or card. Create different shaped towers.

