

SPAGHETTI BRIDGES

Designed by Kristian
Design engineer at Dyson

Materials

Spaghetti

Small rubber bands or bag ties

Sticky tape

250g bag of sugar



The brief

Construct a free standing bridge out of spaghetti, strong enough to support a 250g bag of sugar.

The method

Think about bracing strands together for strength. Some shapes are better at absorbing loads – triangles are particularly strong. Rubber bands make for good junctions.

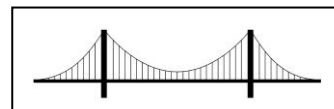
Top tip

Be patient. Through trial and error, you'll become proficient at working with spaghetti.

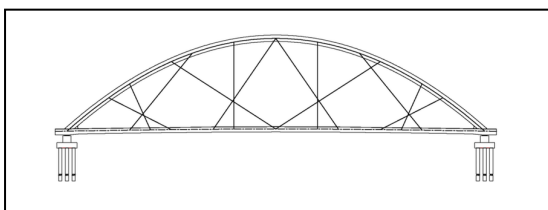
Why not take inspiration from these iconic bridge designs?



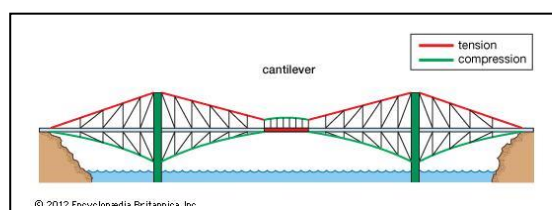
Beam bridge



Suspension bridge



Arch bridge



Cantilever bridge