

Lesson 30

What Makes a Structure Strong?

engineering

What you need: A4 paper · sticky tape · identical hardback books or weights · 30 cm ruler**Words to use**

Column · Buckle · Load

Our question

Which paper column shape holds the most books before it buckles?

I predict...because...

How many books did each shape hold? (in books)

Shape	Books held

Draw a bar chart of our results
Which bar is tallest? Which shape carried the most?**It is the same paper every time, so why does the shape change how much it holds?**