

Big Question: How is it made?

LQ1	Which is the bounciest ball?
LQ 2	Which fabric is the stretchiest?
LQ 3	Can I test rigidity?
LQ 4	What is tough and flexible?
LQ 5	Which is the strongest paper?
LQ 6	Can I make a paper bridge to hold a car?
End Product	Model bridges to test if they can hold toy cars
Links to being previously taught.	Materials (Y1)
	Rocks Y3 States of Matter Y4 Properties and changes Y5
Cross-curricular links.	History – research DT – building bridges



Sticky Knowledge.

Different fabrics have different elasticity properties that made them good for clothes!

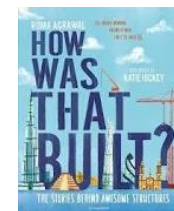
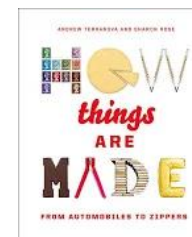
Spoons can be made from plastic, wood, metal but can they be made of glass?

Some materials need to be able to 'give' a little and not break (for bridges carrying heavy traffic)

Rigid means hard and firm.

The last wooden bridge was built in the United Kingdom in 1163.

Exciting Books



Key Skills

Material, stretching, bending, making, toughest, weight, mass, measure, test, experiment, Strong, tear, rip, weight, rigidity, flexibility, concertina, material, properties