

Objects and materials

Materials have properties that suit the uses of many different objects.



Metal is waterproof, strong and stiff.

Which material is suitable?

Objects are often made from different materials.



metal

wood

plastic

Stretch it, twist it, bend it, squash it

Some solid objects are made from materials that can change shape.



stretch



twist



bend



squash

Testing stretchiness

The material which stretched the most number of cubes was the most stretchy.



Testing strength

The strongest bridge will be the one that holds the most cubes.



Eco-friendly materials

Is plastic bad for the environment?



- ✓ When plastic is thrown away, it goes to landfill and stays there for **hundreds of years**.
- ✓ Plastic litter gets into the oceans and can cause **harm to animals**.