

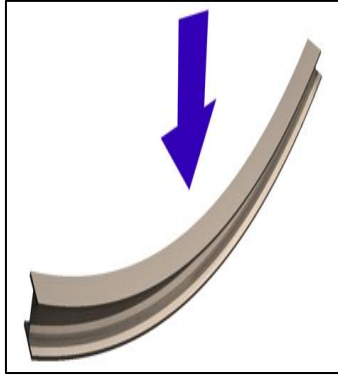
LO: Explore the properties of different materials

Today we are thinking more about the properties of materials and how they can be manipulated (changed). We can change materials in many ways but are going to test these ways of changing the shape of materials:

Squashing



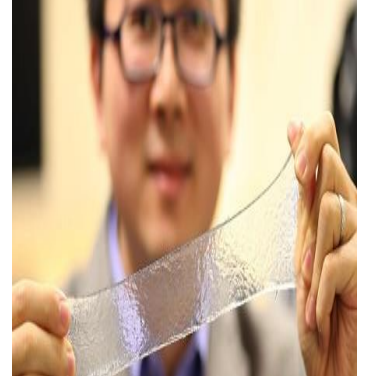
Bending



Twisting



Stretching



Ideally, get 2 examples of each material in the table. However, if you don't have any just work with what you have at home! Write yes, no or sometimes for each in the box.

Material	Can it be squashed?	Can it be bent?	Can it be twisted?	Can it be stretched?
Metal				
Plastic				
Fabric				
Paper				
Cardboard				

Challenge Question

Metal can never be twisted because it is stiff and strong. Do you agree?

I agree/disagree because...

Challenge Reflection

Why is it useful for materials to be able to be squashed, bent, twisted or stretched?