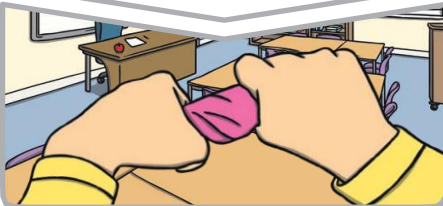


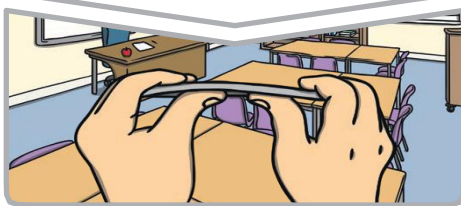
# Changing materials

Key Vocabulary	
materials	Materials are what objects are made from.
suitability	Suitability means having the properties which are right for a specific purpose.
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).
push	A force that can change the shape of a material
pull	A force that can change the shape of a material

Twist



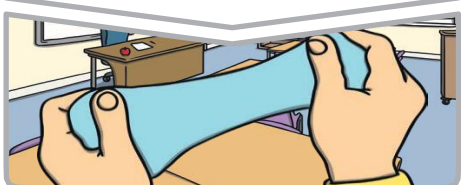
Bend



Squash



Stretch



## Properties of Materials



**wood:**  
hard, stiff,  
strong, opaque,  
can be carved  
into any  
shape.



**glass:**  
waterproof,  
transparent,  
hard,  
smooth.



**plastic:**  
waterproof,  
strong, can  
be made to be  
flexible or stiff,  
smooth or rough.



**metal:**  
strong,  
hard, easy  
to wash.



**paper:**  
lightweight  
, flexible.



**fabric:**  
soft, flexible,  
hard-wearing,  
can be stretchy,  
warm, absorbent.



1844-1921

William Harbutt is the inventor of plasticine. He enjoyed art as a child. He became an art teacher but found that his pupils struggled to use clay. He then decided to make a new material!

