



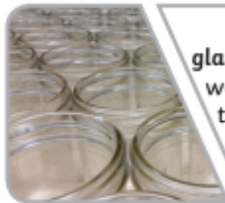
Working together to be the best that we can be

Golden Thread: Technological advancement

Properties of materials



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



glass:
waterproof,
transparent,
hard, smooth.



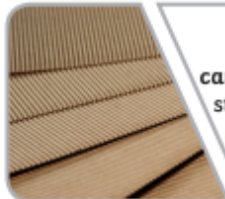
plastic:
waterproof,
strong, can
be made to be
flexible or stiff,
smooth or rough.



metal:
strong, hard,
easy to wash.



paper:
lightweight,
flexible.



cardboard:
strong, light,
stiff.



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



rubber:
hard-wearing,
elastic, flexible,
strong.

Key Vocabulary

Material	A substance used to make things
Property	A characteristic of something
Transparent	Objects behind can be seen clearly.
Translucent	A material which allows light to pass through but is not clear.
Opaque	A material which does not allow light to pass.
Suitability	Suitability means having the properties which are right for a specific purpose
Properties	What a material is like and how it behaves

Sometimes the shapes of materials can be changed by...

Squashing, Bending, Twisting and Stretching



Squash an object by pushing both hands together.



Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



Stretch an object by pulling your hands slowly and gently apart.



Did you know?

Charles Macintosh invented the first waterproof fabric by painting a dissolved rubber solution onto cloth.

