



Objectives and Sticky Knowledge



Previous Knowledge Recap:

- Be able to name everyday materials
- Understand the difference between an object and a material
- Be able to understand and talk about similarities and differences between different materials
- To understand the meaning of different properties e.g. the difference between hard/soft smooth/rough

Land Objectives and Sticky Knowledge:

<p>Know how materials can be changed by squashing, bending, twisting and stretching</p>	<p>Know why a material might or might not be used for a specific job</p>
<ul style="list-style-type: none"> • Understand how the properties determine how the materials can be manipulated. 	<ul style="list-style-type: none"> • I can identify different materials including manmade and natural – metal, wood, plastic, glass, paper and fabric • Identify the properties and characteristics of above materials • Identify the job that an object needs to do • Understand why it is made from a certain material - linked to properties

Links with ‘Communication’ Golden Thread:

GRETA THUNBERG – letters and posters promoting sustainability

Links with CST and CKA Values Crown:

Sustainability; what types of materials are recyclable and moving towards a more sustainable school using Greta as an inspiration.
 Stewardship - We need to care for the earth.
 Common good - What is best for everyone?
 Subsidiarity -People should have a say! Participation - We all want to work and contribute to our communities.





Key Vocabulary

materials – are what objects are made from.

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)

Sky Objectives:

Recognise questions can be answered in different ways.

Explain why something happens in a simple investigation.

Begin to pass comment on what has happened in a simple investigation.

Squash an object by pushing both hands together.



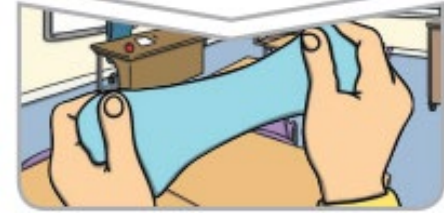
Bend an object by grabbing both ends of the object and bringing the ends inwards together.



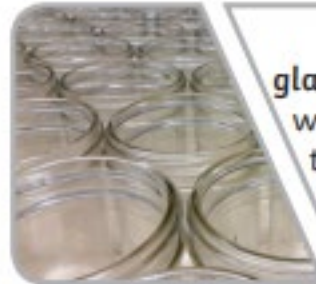
Twist an object by turning your hands in opposite directions.



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



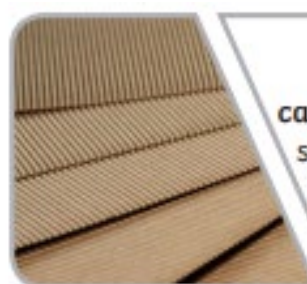
wood:
hard, stiff,
strong, opaque,
can be carved
into any
shape.



glass:
waterproof,
transparent,
hard, smooth.



paper:
lightweight,
flexible.



cardboard:
strong, light,
stiff.



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



metal:
strong, hard,
easy to wash.



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



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