

## Key Stage 1 - Forest Academy

### Knowledge organiser – Everyday Materials

#### Know how to...

- distinguish between an object and the material from which it is made
- identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching

#### Types of Materials



rubber



brick



plastic



sponge



glass



wood



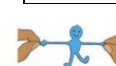
stone



metal

#### Key Vocabulary

<b>absorbent</b>	Able to soak up liquid
<b>flexible</b>	A bendable material
<b>rigid</b>	Unable to bend and shape
<b>rough</b>	A material with an uneven surface
<b>smooth</b>	A material with an even surface
<b>stiff</b>	A material which is not easy to bend and shape
<b>suitable</b>	An appropriate material for its use
<b>unsuitable</b>	Something that is not fit for its purpose
<b>waterproof</b>	A material that keeps water out



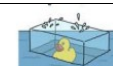
stretchy



wood



absorbent



waterproof



dull



shiny



not bendy



soft



glass



metal



water



rock



not waterproof



not absorbent



smooth



plastic



materials



opaque



hard



rough



stiff



bendy







transparent

## Investigating Materials



### How Solids Can Be Changed

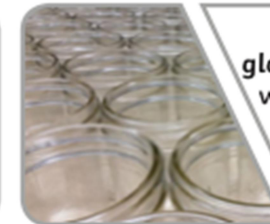
bend	
squash	
twist	
stretch	

## Properties of Materials

Materials can be described by their different properties. This helps us decide on their suitability and usefulness.



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



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



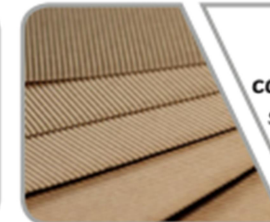
**plastic:**  
waterproof,  
strong, can  
be made to be  
flexible or stiff,  
smooth or rough.



**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.