


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.

Changing Shape



squashing



bending



twisting



stretching

Key Vocabulary

	Word	Definition
1.	Materials	Materials are what objects are made from.
2.	Suitability	Suitability means having the properties which are right for a specific purpose.
3.	Properties	This is what a material is like and how it behaves (soft, stretchy, waterproof)
4.	Squash	You squash an object by pushing both hands together.
5.	Bend	You bend an object by grabbing both ends of the object and bringing the ends inwards together.
6.	Twist	You twist an object by turning your hands in opposite directions.
7.	Stretch	You stretch an object by pulling your hands slowly and gently apart.