

Vocabulary		
1	Wood	A hard, strong and stiff material.
2	Fabric	A material produced by weaving or knitting. There are four main sources: animal (wool, silk), plant (cotton and jute), mineral (glass fibre), and synthetic (rayon). Their properties are different.
3	Glass	A transparent, smooth and stiff material.
4	Metal	A hard, strong and shiny material.
5	Plastic	A strong, shiny and bendy material.
6	Water	A runny, wet and clear chemical substance.
7	Rock	A hard and strong material.
8	Brick	A rough, strong, opaque and dull material.
9	Paper	A translucent, flexible material, which is not waterproof.
10	Card	A rough, dull, opaque material, which is not waterproof.
11	Liquid	Liquids can flow or be poured easily.
12	Solid	A firm or stable shape.
13	Surface	An outside part or layer of something.
14	Transparent	If an object is transparent, you can see through it.
15	Waterproof	Does not let water pass through it.
16	Absorbent	Material that soaks up liquid easily.
17	Opaque	Not able to see through.
18	Bending	To shape or force into a curve or angle.
19	Stretching	To make longer or wider without breaking
20	Squashing	To crush or squeeze.

What can some materials be used for?			
Wood can be used for:	 		
Fabric can be used for:	Different fabrics are used for different things. See below		
Cotton can be used for:	T-shirt		Socks
Wool can be used for:	Scarf		Rug
Fiberglass can be used for:	Tape		Insulation
Jute can be used for:	Bag		Potato Sack
Glass can be used for:	Window		Glass
Metal can be used for:	Sauce Pan		Coins
Plastic can be used for:	Bottle		Lego
Rock can be used for:	Houses		Grave Stone
Paper can be used for:	Writing Paper		Toilet Paper
Card can be used for:	Cardboard Box		Greeting Card

Sometimes the shapes of materials can be changed by squashing, bending, twisting and stretching.



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



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



Squash an object by pushing both hands together.

Creators of materials

John Dunlop

Creator of the air-filled rubber tyre. Improved bicycles and the motorcar

Charles Macintosh

Creator of improved waterproof fabric.