



Year 2: Let's Go Engineering

1. Terms	Definitions
Materials	What objects are made from.
Surface	The top layer of something.
Suitability	This means having the right properties for a specific purpose.
Properties	What a material is like and how it behaves
Opaque	Light cannot travel through the material
Translucent	Allows some light to travel through it.
Flexible	Can bend without breaking.
Insulate	To keep in heat.
Continents	Large amounts of land. There are 7 continents: North America, South America, Africa, Europe, Asia, Australasia and Antarctica.
Compass Points	The main 4 compass directions are <i>North, South, East</i> and <i>West</i> .

2. Materials

- **Texture** of a material is how it feels.
- All objects are made of one or more materials.
- The materials are chosen by their properties.
- A water bottle is made of plastic because it is **transparent** allowing you to see the drink inside and **waterproof** so that it holds the water.
- If a material is **reflective**, it means that it reflects light.
- If a material is **absorbent**, it can soak up liquid.



Materials can be...

Properties of materials

Squashed



Wood
Hard
Rigid (doesn't bend)
Opaque
Can be carved



Bent



Plastic
Waterproof
Strong
Can be **flexible** (bendy) or **rigid**

Twisted



Metal
Strong
Easy to wash
Robust (doesn't damage easily)

Stretched



Fabric
Soft
Flexible
Hard wearing
Absorbent



Glass
Waterproof
Transparent
Hard
Smooth



3. Antarctica

- Antarctica is the most southerly **continent**.
- **Climate** (weather): The **temperature** is very cold.
- Antarctica is a cold, dry desert where very little can grow.
- Penguins and seals live in Antarctica.
- The **equator** is an invisible line that runs round the centre of the earth, and is far from Antarctica
- Antarctica is home to the **South Pole**. The **North Pole** is in the arctic.

