

# Materials Monster Knowledge Mat

Subject Specific Vocabulary		Sticky Knowledge about Materials	
<b>Materials</b>	Something that an object is or can be made from, e.g. a saucepan can be made from metal.		
<b>Properties</b>	The characteristics of a material, e.g. glass can be transparent. Transparent is the property.		
<b>Man made resources</b>	A material or resource which is manufactured or made by humans often in factories. The material is not natural.		
<b>Natural resources</b>	Natural resources are materials that are 'naturally' found around us. We may have to dig them out of the ground, grow them, or take them from living things.		
<b>Absorbent</b>	A material which will soak up water		
<b>Waterproof</b>	A material which does not absorb water		
<b>Rigid</b>	A material which can not be bent, squashed, stretched, twisted		
<b>Flexible</b>	A material which can be bent, squashed, stretched, twisted		
<b>Transparent</b>	A material which you can see through		
<b>Opaque</b>	A material which you can not see through		

- ☐ I can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- ☐ I know that the shape of solid objects can be changed by squashing, bending, twisting and stretching materials
- ☐ I can describe the properties of materials using the terms waterproof, absorbent, windproof, transparent, opaque, smooth, flexible and rigid.
- ☐ I can name different materials – plastic, wood, metal, glass, fabric, pottery. I can identify what some objects are made from by using my senses.
- ☐ I know which materials can be bent, twisted, squashed and stretched. I can use terms rigid and flexible to describe materials which can and can not be made to change shape.
- ☐ I know how metal, glass, wood and plastic can be manufactured into everyday products,