

Year 2: Materials Knowledge Mat

Subject Specific Vocabulary		Working Scientifically	Sticky Knowledge about materials
metal	When heated, metals can be shaped into anything from a tiny paperclip to a huge aircraft.	<ul style="list-style-type: none"> <input type="checkbox"/> Identify and compare suitability of everyday materials for particular uses. <input type="checkbox"/> To find out how the shapes of solid objects made from some materials can be changed <input type="checkbox"/> To ask relevant questions using different types of scientific enquires. <input type="checkbox"/> To set up simple practical enquiries, making careful observations, taking measurements and using a range of equipment. <input type="checkbox"/> Gathering and recording, findings using scientific language and label drawings. 	Wood is used to make buildings and furniture and for making fires and heating.
plastic	Plastics are made from natural materials such as wood, coal and oil.		<input type="checkbox"/> Most of the paper or cardboard we use came from trees.
fabric	A cloth made by weaving or knitting textiles fibres.		<input type="checkbox"/> Glass is a hard transparent material that can be made in many shapes.
wood	Wood is a material that comes from trees and is used to make furniture, floors and many other things		<input type="checkbox"/> Glass is usually transparent, which means you can see through it, but can also come in different colours.
glass	Hard breakable material typically transparent or translucent. Used for windows, drinking containers and other objects.		<input type="checkbox"/> Glass is often used to make windows and bottles.
squashing	Squashing is pushing things closely together.		<input type="checkbox"/> Many churches have special coloured glass often used to make religious pictures.
bending	Bending is changing the shape and direction of something.		<input type="checkbox"/> Plastics are used to make many of the things we use in everyday life. They are used for toys, bicycle helmets, mobile phones, window frames and many other common items.
twisting	To twist something you move one part clockwise and the other part anticlockwise.		<input type="checkbox"/> Petrol is used to make plastic and it invented just over a 100 years ago.
stretching	Stretching is to change shape by pulling it to make it longer or wider.		
flexible	Bends easily without breaking.		
rigid	Unable to bend or forced out of shape.		

