



Waterbeach Community Primary School

Curriculum Capture for Year 2 Science: Materials

Theme: Environment

Key Knowledge

What are the uses of everyday materials?	How do I change the shape of materials?
<ul style="list-style-type: none"> Some materials can be used for the same thing. For example, a spoon can be made using wood, plastic and metal. Some materials can be used for more than one thing. For example, metal can be used for coins, cans, cars and table legs. 	<ul style="list-style-type: none"> Some solid objects made from different materials can change shape if they are squashed, bent, twisted or stretched. Some solid shapes may return to their original form after they have been squashed, bent, twisted or stretched, for example, an elastic band.
What are different materials suitable for?	What effects do materials have on the environment?
<ul style="list-style-type: none"> Different materials can be used for and are suitable for the same thing. For example, a spoon can be made using wood, plastic and metal for different uses but not normally glass because glass is an unsuitable material for a spoon. Brick is an unsuitable material for a window because it is not transparent. 	<ul style="list-style-type: none"> Some materials are degradable and some are not. Some are biodegradable. When we drop litter or put waste into the environment, it can blow into drains and all drains lead to rivers and the sea. Litter in the sea or local environment can make animals ill as they try to eat it or it gets tangled around them. We can help the environment by: <ul style="list-style-type: none"> picking up litter taking a bag to the shop instead of buying a new plastic bag composting fruit and vegetables using the recycling bins.



plastic



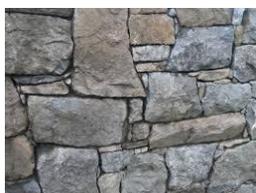
fabric



wood



glass



stone



rubber

Scientific Vocabulary

Material	The matter from which a thing is or can be made from e.g. wood, metal, glass, plastic, rubber, fabric, rock, brick, paper, cardboard.
Degradable	Able to be broken down using chemicals.
Biodegradable	Able to be broken down by living things such as water, the sun, organisms.
Recycle	Reverting waste materials into new materials or objects.
Environment	The natural world. The air, water and land in which people, animals and plants live.
Suitable	Right for the job.