

Subject: Science

Theme: Uses of everyday materials (Y2)

Knowledge	Skills	Vocabulary (Top 20)	Common misconceptions
<p>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</p> <p>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>	<p>Based on the children’s own criteria, classify materials e.g. samples of wood, metal, plastic, etc.</p> <p>Children identify which materials are used for more than one thing and how some different materials can be used to make the same thing (e.g. spoons can be made from metal, plastic or wood).</p> <p>Children might observe what would happen to a paper boat over time (would it float forever?)</p> <p>Test materials for different uses (e.g. Which material can you use to make an aeroplane? Which fabric would you use for curtains? Which materials are best for Cinderella’s mop? Which paper can be used for a book, fabrics for a child’s dungarees, materials for aeroplanes etc?)</p>	<p>brick cardboard glass metal paper plastic rock wood bend material squash stretch twist opaque properties purpose solid suitable transparent unsuitable</p>	<p>Some children may think:</p> <ul style="list-style-type: none"> • Only fabrics are materials • Only building materials are materials. • Only writing materials are materials. • The word rock describes an object rather than a material. • ‘Solid’ is another word for hard.



Love



Friendship



Compassion



Community



Trust



Forgiveness

“Let all that you do be done in love.” 1 COR 16:24
Do all the good you can.... John Wesley

	<p>Using secondary sources, children might find out about the work of people who have developed useful materials, for example, John Dunlop, Charles Macintosh or John Macadam.</p>		
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