

## Empiribox KS1 – Changing Materials Unit Overview

### Changing Materials

<b>National Curriculum Requirements</b>	<b>Teacher Led Activity</b>	<b>Independent Activity</b>	<b>General Resources</b>
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> <li>💧 Distinguish between an object and the material from which it is made.</li> <li>💧 Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</li> <li>💧 Describe the simple physical properties of a variety of everyday materials.</li> <li>💧 Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> <li>💧 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</li> <li>💧 Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>	<b>Lessons 1 and 2: Frozen</b> Frozen Snow	Save our Sam	<ul style="list-style-type: none"> <li>💧 Materials sorting circles</li> <li>💧 Feely Bag</li> <li>💧 Challenge cards x3</li> <li>💧 Labelling cards</li> </ul>
	<b>Lessons 3 and 4: Bouncability</b> Jelly Marbles	Which is the bounciest?	
	<b>Lessons 5 and 6: Waterproof</b> Boats	How wet does it get?	
	<b>Lessons 7 and 8: Floating and Sinking</b> Aluminium boats	Floating plasticine	
	<b>Lessons 9 and 10: Stretchiness</b> Catapults	Elastic bands	
	<b>Lessons 11 and 12: Heating</b> Heating Materials	Finger melting chocolate	

