

# Year 2: What is your school made of?

<p>LC1 What can we add to our glossary of scientific vocabulary?</p> <p>LC2 How can you classify your toys taking account of the materials they are made of? (plastic)</p> <p>LC3 What are the main reasons for choosing materials for different parts of the school?</p> <p>LC4 Can you think of the advantages and disadvantages of some common materials?</p> <p>LC5 How can we put the properties of materials to the test? (several sessions investigating the properties of a range of materials)</p> <p>LC6 Who are John Dunlop, Charles Macintosh and John McAdam and what are they famous for?</p>	<p><b>Hook for Learning:</b></p> <p>Material hunt.</p> <p>Investigations</p> <p>Traction Man</p>	<p><b>We learn the following vocabulary...</b></p> <p>Plastic, metal, paper, glass, wood, fabric, material, absorbent, transparent, opaque, flexible, waterproof, strong, hard, soft, man-made, natural, Charles Macintosh, John Dunlop, squashing, bending, twisting, stretching, John McAdam.</p>
<p><b>We learn the following scientific knowledge and skills...</b></p> <p>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, rock, brick, 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. Use sight, touch, smell, hear or taste to help answer questions?</p> <p>Use some scientific words to describe what they have seen and measured?</p> <p>Compare several things?</p> <p>Organise things into groups?</p> <p>Find simple patterns (or associations)?</p> <p>Use text, diagrams, pictures, charts, tables to record their observations?</p> <p>Find out about people who developed useful new materials? (John Dunlop, Charles Macintosh, John McAdam)</p> <p>Explain how things move on different surfaces?</p>	<p><b>As Thinkers can we...?</b></p> <p>find links and see relationships.</p> <p>explore and experiment with resources and materials.</p> <p>Ask 'why', 'how' and 'what if' questions.</p>	<p><b>We learn the following musical knowledge and skills...</b></p> <p>The dimensions of music (pulse, rhythm, pitch) singing and playing instruments.</p>
<p><b>We learn the following computing knowledge and skills...</b></p> <p>Using Minecraft to design and build a classroom using bricks, glass, doors</p>	<p><b>As Talkers can we...?</b></p> <p>confidently be led and directed by others.</p> <p>actively listen and share ideas.</p> <p>give reasons for my choices.</p>	<p><b>We learn the following art knowledge and skills...</b></p> <p><b>Stained glass windows (Link to Church)</b></p>
<p><b>We learn the following computing knowledge and skills...</b></p> <p>Using Minecraft to design and build a classroom using bricks, glass, doors</p>	<p><b>We learn the following writing knowledge and skills...</b></p> <p>recording our research into John Dunlop, Charles Macintosh or John McAdam</p> <p><b>We learn the following mathematical knowledge and skills...</b></p> <p>carrying out investigations and using simple mathematical equipment to take measurements.</p> <p>Sorting information into diagrams.</p>	