

KS1 Science Year A

“It is the glory of God to conceal things, but the glory of kings is to search things out.” Proverbs 25:2

Exploring Everyday Materials 2

Spring Term KS1	Key Knowledge - Encompassed within knowledge mat	Key Vocabulary
<p>NC Objectives</p> <p>To distinguish between an object and the material from which it is made.</p> <p>To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.</p> <p>To describe the simple physical properties of a variety of everyday materials.</p> <p>To compare and group together a variety of everyday materials on the basis of their simple physical properties.</p> <p><i>Pupils will explore, name, discuss and raise and answer questions about everyday materials so that they become familiar with the names of materials and properties such as: hard/soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not waterproof; absorbent/not absorbent; opaque/transparent.</i></p> <p><i>Pupils will explore and experiment with a wide variety of materials, including: brick, paper, fabrics, elastic, foil.</i></p> <p><i>Pupils might work scientifically by: performing simple tests to explore questions.</i></p>	<p>Straw is a bendy material.</p> <p>Sticks are made from wood.</p> <p>Bricks are made from clay.</p> <p>Bricks are a suitable material for building a house.</p> <p>Roof tiles are all waterproof and come in different types of materials and colours.</p> <p>Roof tiles need to fit together easily and they need to be easy to fix to the roof of the house.</p> <p>Roof tiles are normally made from materials such as clay, slate or wood because they are non-absorbent.</p> <p>The slant of the roof helps the water to run off.</p> <p>Suitable materials for roof tiles are non-absorbent.</p> <p>Unsuitable materials for roof tiles are absorbent.</p> <p>Windows are made from glass panels, which are transparent.</p> <p>Windows are held together using window frames.</p> <p>Window frames are typically made from plastic, wood or metal and are opaque.</p> <p>Glass is a brittle material, which means it can shatter and create sharp edges that can be dangerous.</p> <p>Beds can be made using a wooden frame because it is strong and easy to make things from.</p> <p>A mattress is made from fabric and contains materials such as straw, cotton, foam, rubber or a framework of metal springs.</p> <p>Springs inside the mattress will be made from metal to make the bed nice and bouncy.</p> <p>Sheets and duvet covers are also made from fabric, often cotton, so they are soft and comfortable.</p> <p>Woolly jumpers are made from wool, which comes from sheep, helping to keep you warm.</p> <p>You can overheat because you are wearing too many layers of clothing.</p>	<p>strong</p> <p>wind</p> <p>clay</p> <p>brick</p> <p>solid</p> <p>slate</p> <p>non-absorbent</p> <p>waterproof</p> <p>absorbent</p> <p>opaque</p> <p>window frame</p> <p>transparent</p> <p>suitable</p> <p>fabric</p> <p>cotton</p> <p>wool</p> <p>weather</p> <p>evaluate</p> <p>material</p> <p>tile</p> <p>properties</p>
<p>Spirituality question:</p> <ul style="list-style-type: none"> • What do you think makes someone a hero? 		