





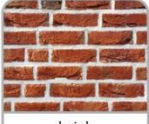

































Year 2 Spring 1- Uses of materials-Why are windows made out of glass?

Key Vocabulary		Prior knowledge	Sticky Knowledge
Hard 	Not easily broken or bent.	<p>In year 1 we:</p> <ul style="list-style-type: none"> distinguished between an object and the material from which it is made. identified and named a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. identified and compared the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper, and cardboard for particular uses. <p>Materials:</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center;"> plastic</div> <div style="text-align: center;"> wood</div> <div style="text-align: center;"> metal</div> <div style="text-align: center;"> water</div> <div style="text-align: center;"> glass</div> <div style="text-align: center;"> brick</div> <div style="text-align: center;"> fabric</div> <div style="text-align: center;"> paper</div> <div style="text-align: center;"> stone</div> </div>	<p>Properties of Materials</p> <div style="display: grid; grid-template-columns: 1fr 1fr; gap: 10px;"> <div style="border: 1px solid black; padding: 5px;">  <p>wood: hard, stiff, strong, opaque, can be carved into any shape.</p> </div> <div style="border: 1px solid black; padding: 5px;">  <p>glass: waterproof, transparent, hard, smooth.</p> </div> <div style="border: 1px solid black; padding: 5px;">  <p>plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.</p> </div> <div style="border: 1px solid black; padding: 5px;">  <p>metal: strong, hard, easy to wash.</p> </div> <div style="border: 1px solid black; padding: 5px;">  <p>paper: lightweight, flexible.</p> </div> <div style="border: 1px solid black; padding: 5px;">  <p>cardboard: strong, light, stiff.</p> </div> <div style="border: 1px solid black; padding: 5px;">  <p>fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent.</p> </div> <div style="border: 1px solid black; padding: 5px;">  <p>rubber: hard-wearing, elastic, flexible, strong.</p> </div> </div>
Soft 	If something is soft, it is easy to cut, fold or change the shape of.		
Rigid 	unable to bend or be forced out of shape; not flexible		
Smooth 	Smooth objects have no lumps or bumps.		
Rough 	If something is rough, it feels and looks uneven or bumpy		
Shiny 	Reflects light easily.		
Dull 	Doesn't reflect light. Doesn't look bright or shiny.		
Waterproof 	If something is waterproof, it keeps water out. It keeps things dry.		
Transparent 	Transparent objects can be seen through.		
Opaque 	Opaque objects can't be seen through		
Bendy 	Bendy things can be bent easily into a curved or folded shape.		
Absorbent 	If something is absorbent, it soaks liquid up.		
		<p>Knowledge and Assessment</p> <ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper, and cardboard for particular uses 	<div style="display: grid; grid-template-columns: 1fr 1fr 1fr 1fr; gap: 5px;"> <div style="text-align: center;"> paper books</div> <div style="text-align: center;"> brick houses</div> <div style="text-align: center;"> fabric clothing</div> <div style="text-align: center;"> stepping stones</div> <div style="text-align: center;"> plastic toys</div> <div style="text-align: center;"> wooden furniture</div> <div style="text-align: center;"> metal tools</div> <div style="text-align: center;"> drinking water</div> <div style="text-align: center;"> glass window</div> </div>