



Pinner Wood School



Year Group	2	Term	Autumn 2	Subject	Science	Topic	Materials	
							Key Question	Can I decide if a material is a good choice or not and explain why ?
Prior Learning and other Curriculum Links	<ul style="list-style-type: none">• Year 1• I can tell the difference between an object and the material from which it is made.• I can name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.• I can describe the simple physical properties of a variety of everyday materials• I can compare and group together a variety of everyday materials on the basis of their simple physical properties.					Skills statements	<ul style="list-style-type: none">• I can say why I would choose a material for a particular job.• I can explain how objects made from some materials can be changed.• I can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	
Fundamentals	<ul style="list-style-type: none">• find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.					Key Facts/Sticky Knowledge	<ul style="list-style-type: none">• Malleable means to bend, squash, twist and stretch an object without breaking it.• Wood is hard and strong• Plastic is waterproof and malleable• Paper is absorbent, and fragile• Metal is hard, strong, malleable (when heated) and waterproof.• Fabric is absorbent and soft.	

<p>Our Curriculum Journey</p>	<p>Stunning Start: We will begin by exploring scientific language of bend, stretch, twist and squash using blu tack.</p> <p>Journey: Children will use 'Woolly Saucepan' by Micheal Rosen as a stimulus to discuss which materials are suitable for particular objects. Links to oracy.</p> <p>Show stopper: We will carry out an experiment to find a suitable material for Katie Morag's bag (linked to English).</p>		
<p>Key Vocabulary (revisited)</p>	<p>stretchy, elastic, stiff, bend, bendy, not bendy, press, squash, twist, shape, waterproof absorb, predict, results materials, wood, wooden, plastic, metal, glass, water, rock, brick, paper, predict, results</p>	<p>Key Vocabulary (new)</p>	<p>twist, squash, bend, stretch, squashing, bending, twisting, stretching, push, pull, pushing, pulling, roll, pinch, press, smooth, flexible, rigid, stretchy, squashy, elastic, stiff, properties, suitable, stretchiness, weight, strong, prediction, conclusion</p>