



## St Paul's Primary School, Newcastle. Glorifying Almighty God, and serving our community.

TO MASTER PRACTICAL SKILLS		TO DESIGN, MAKE, EVALUATE AND IMPROVE	TO TAKE INSPIRATION FROM DESIGN THROUGHOUT HISTORY
Class: 3 AUTUMN			Title: Materials
<b>Topic summary:</b> Discuss evolution of fabrics and clothing. Examine closely a piece of scrim fabric identifying the weft and warp threads. Discuss how a spider’s web was the inspiration of design for Kente cloth. 1. Children create their own design for weaving using the Kente principals for shape and colour. Measure and mark to the nearest millimetre the grid on a weaving board and cut slots with special shaped cardboard scissors. Discus joining techniques to create weft and warp threads. 2. Create grid around board by measuring to nearest mm, hammer in nails to create border frame. Then joining yarn and other fabrics to pin board create their own modern interpretation of a spider’s web. About 375 years ago, two brothers from Bonwire, a village in the Ashanti region of Ghana were said to have gone hunting one afternoon when they came across a spider spinning a web. According to legend, the two, Krugu Amoaya and Watah Kraban, were amazed by the beauty of the web and decided to create something similar to it. When they returned home, the two weaved the first cloth out of black and white fibres from a raffia tree.			
DT Objectives			Unit of work end points
<ul style="list-style-type: none"><li>Cut materials accurately and safely by selecting appropriate tools.</li><li>Measure and mark out to the nearest millimetre.</li><li>Select appropriate joining techniques.</li><li>Design with purpose by identifying opportunities to design.</li><li>Make products by working efficiently (such as by carefully selecting materials).</li><li>Refine work and techniques as work progresses, continually evaluating the product design.</li><li>Identify some of the great designers in all of the areas of study (including pioneers in horticultural techniques) to generate ideas for designs.</li><li>Improve upon existing designs, giving reasons for choices.</li></ul>			<ul style="list-style-type: none"><li>Apply knowledge of colours and pattern used in Kente cloth.</li><li>Explain the difference between weft and warp threads ,</li><li>Experiment with appropriate joining techniques.</li><li>Combine measuring and cutting skills to create looms.</li><li>Evaluate and improve designs giving reasons for choice.</li></ul>
Key vocabulary			Questions?
Weft	Thread that goes left to right and vice versa		<ul style="list-style-type: none"><li>How do the threads stay together?</li><li>What will happen if I pull out this thread?</li><li>Do you know any other fabric names which have been woven like this?</li></ul>
Warp	Thread that goes up and down and vice versa		
Scrim	A scrim is a woven material,		
Weave	Interlacing long threads passing in one direction with others at a right angle to them.		
Loom	The loom works by having a rigid heddle reed which the warp yarns (the yarn that goes onto the loom) are threaded alternately through a series of slots and eyes.		
Disassemble	To take apart		