Willerby Carr Lane Primary School – Design and Technology				
		Year: 2		Strand: Structures
• Understand be made using	<b>it should I already know?</b> that different types of soun ng different techniques e.g. iping, hitting, and plucking		(djembe drum)?	<ul> <li>How does the sound change by changing the skin material?</li> <li>How should a djembe be decorated?</li> </ul>
<ul> <li>Learnt ways paper</li> <li>Joined and c different way and snips saf</li> <li>Skills in basic modelling us</li> <li>Learnt differ</li> </ul>	of showing their design idea ut paper, card, wood, plasti ys, using basic tools e.g. scis fely and effectively c joining techniques for 3D ing glue and tape. ent finishing techniques.	c in ssors	aesthetics component decoration djembe drum	Vocabulary Designing The consideration of how the final product will look. The different parts of the djembe. Materials used to make the djembe attractive A rope-tuned skin-covered goblet drum played with bare hands, originally from
How are percussion instruments made and how do they differ around the world?	<ul> <li>be able to do by the end of the unit?</li> <li>Recognise that sounds can be created in many ways.</li> <li>Understand the basic concept of how each instrument works, the sound it produces.</li> <li>Produce clear labelled diagrams of instruments.</li> <li>When evaluating instruments,</li> </ul>	ncept works,	natural resources purpose quality stability	West Africa. Materials that have not been made by humans/artificially, e.g. tree bark, twigs. What the djembe will be used for The finished drum should be safe to use and be decorated in a traditional African style. The strength to stand or endure.
successfully evaluate instruments to support the designing of our own?	<ul> <li>identify:</li> <li>How the instrument is he (hitting, plucking, tappin scraping)</li> <li>What type of sound will made?</li> </ul>	eld d layed g, be	attaching cutting layering measuring	Making         Connecting the components together.         The action of cutting something.         The inside layer will be the structure and the outside layer will be the decoration.         Using a ruler to ensure components fit before fixing.         The order in which the diamba will be
Why is it important for structures to be stable and what are the different ways to strengthen them	<ul> <li>It is important structures stable to stop them fallir and to make them fit for purpose.</li> <li>How wide the base of an instrument or its shape i handheld, can make it m stable.</li> <li>Certain materials are mo stable than others.</li> <li>Art straws, masking tape of wood, paper clips and glue can be used to stren structures.</li> </ul>	s are ng over f ore e, strips PVA	order durability frame free- standing note pitch	<ul> <li>The order in which the djembe will be designed, made, and decorated.</li> <li>Knowledge and understanding</li> <li>How strong, tough, hard-wearing, and resistant a material is.</li> <li>The structure that will hold together the finished product.</li> <li>An item that can stand on its own without support or attachments.</li> <li>A symbol denoting a musical sound.</li> <li>How high or low a note is.</li> </ul>
What should we consider when designing our instrument	<ul> <li>Available materials: woo strips, cardboard, baking parchment, masking tap paper, card, recycled cof cups, cotton, string, pva.</li> </ul>	g e, ifee		

Key Design Decisions & Skills

- Designing: investigate, survey, plan, research. Decide on shape of base and how the skin will be attached.
- Making: measuring, selecting appropriate materials, shaping, cutting, gluing.
- Knowledge and understanding: sound, note, pitch, the names of instruments available e.g. djembe drum, shekeres and their component parts e.g. skin, bridge strengthen, reinforce.

## Tools and Resources

- A collection of simple musical instruments or pictures including some from other times and cultures.
- Paper, cardboard, coloured card, clear adhesive tape, masking tape, PVA glue, string, rubber bands, string, recycled coffee cups, scissors.
- Stripwood (assorted sections and sizes), dowel rod.
- Range of basic tools for cutting and shaping, card and wood.
- Paints and brushes.

## **Pictures**



