

**St Bernadette's Catholic Primary Voluntary Academy**

**DT Subject Medium Term Planning - LKS2    Lent Term    Cycle B - Topic - Journey to Ancient Egypt**



MATERIALS	Learning Objective	Activity	Key Knowledge (By the end of the lesson)		Vocabulary (Tier 3)
			Substantive	Disciplinary	
Lesson 1	To be able to investigate a range of existing products.	Look at Egyptian jewellery/trinket boxes. Investigate a range of jars/boxes using different nets. Look at the flattened nets. Which ones are stronger? Which ones have a larger capacity? Etc... Create design criteria for their Egyptian box.	<ul style="list-style-type: none"> <li>To know what they like/don't like about a range of existing products.</li> <li>To know that different 3-D shapes need different shaped nets.</li> </ul>		Nets Design criteria 3-D
Lesson 2	To be able to generate, develop, model and communicate their ideas through discussion, annotated sketches, pattern pieces and computer-aided design.	Children look at creating their nets for their product. Which shape do they want? Drawing and making a model/mock up of their chosen net. Use a computer program to create a net?	<ul style="list-style-type: none"> <li>To know what shape they want for their box.</li> </ul>	<ul style="list-style-type: none"> <li>To be able to create a net/mock up of their chosen shell.</li> </ul>	model/mock up Shell structures
Lesson 3	To be able to generate, develop, model and communicate their ideas through discussion, annotated sketches, pattern pieces and computer-aided design.	Use sketches to make choices for the different designs that they want to include on their Egyptian box. To have chrome books to research different designs.	<ul style="list-style-type: none"> <li>To know about Egyptian patterns and artwork.</li> </ul>	<ul style="list-style-type: none"> <li>To create Egyptian artwork to decorate their boxes and finish off their designs.</li> </ul>	Pattern Design Egyptian hieroglyphics
Lesson 4	To be able to select from and use a wider range of materials and components, including construction materials, textiles and ingredients,	Explore different types of card, cardboard, paper and look at ideas of layering to make their nets stronger. Children make choices of the material they want to use to create their box.	<ul style="list-style-type: none"> <li>To know which material would be the best for their chosen net.</li> <li>To know which cutting technique is needed</li> </ul>		Marking out, scoring, shaping, joining, assemble, material, stiff, strong, laminating

	<p>according to their functional properties and aesthetic qualities.</p> <p>To be able to select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.</p>	To explore different ways of cutting, shaping and joining with their chosen materials.	<p>for their chosen material.</p> <ul style="list-style-type: none"> <li>To know which joining technique is needed for their chosen net.</li> </ul>		
Lesson 5	To be able to select from a wider range of materials, tools and equipment to make a shell structure in the style of an Egyptian box.	To make their design with their chosen material, joining techniques and their chosen pattern. (extended lesson if need more time)		<ul style="list-style-type: none"> <li>To make a shell structure using their chosen net using their chosen material and joining techniques.</li> <li>To use an Egyptian design to decorate their boxes.</li> <li>To use finishing techniques to make an appealing product.</li> </ul>	<p>Design criteria</p> <p>Marking out, scoring, shaping, joining, assemble, material, stiff, strong</p>
Lesson 6	To be able to evaluate their ideas and products against their own design criteria and begin to consider the views of others to improve their work.	To evaluate their Egyptian box against their design criteria. Self and peer-assess each other's work.	<ul style="list-style-type: none"> <li>To investigate and evaluate their shell structure including the materials, components and techniques that have been used.</li> <li>To test their product against design criteria.</li> </ul>		Evaluate, decision