

# O CHRISTMAS TREE!



## Design Technology Unit of Work

For this unit of work the children will design, investigate, make and evaluate their own Christmas Tree Decoration covering many elements of the Design and Technology Programme of study.

**Does your school have a Policy for DT practical activities and Risk Assessments for DT activities?**

**It is suggested that a full risk assessment is written to complete some activities. Please follow the guidelines set by your school for the safe distribution and use of resources, equipment and materials. Activities are identified in the Unit of Work.**

LEARNING OBJECTIVES	LEARNING ACTIVITIES	RESOURCES
Starter	<p>Read the information on slide 2 that contains the scenario.</p> <p>O CHRISTMAS TREE</p> <ul style="list-style-type: none"> <li>The clans at Lilidorei need your help!</li> <li>They need some great decorations made to help them decorate the Christmas Trees in Lilidorei.</li> <li>They want every school who visits Lilidorei to bring along decorations for the Christmas Trees.</li> <li>You will need to plan, investigate, design, create and evaluate your decoration.</li> </ul>	Slide 2
I understand what a design cycle is.	<p>Matching Activity</p> <p>Match the key term to the definition by drawing a line from the key term to the definition.</p> <p>Put the design cycle in chronological order by putting a number in the box next to the key term.</p> <p>Feedback to the rest of the class.</p>	<p>Slides 3-5</p> <p>Activity Booklet – page 2</p> <p>Coloured Pencils</p>
I understand what a design brief is.	<p>Talk to your partner – What is a design brief?</p> <p>Show the design brief for their Lilidorei decoration.</p>	Slides
I can generate ideas for my own Lilidorei decoration.	<p>Children should sketch their initial ideas for their decoration.</p> <p>This should not be a detailed design.</p> <p>They should draw lots of different ideas using their imagination.</p> <p>They should also write any of your thoughts at this stage.</p>	<p>Slides</p> <p>Activity Booklet – page 3</p> <p>Coloured Pencils</p>
<p>I can investigate the materials to use to make my Lilidorei decoration and give reasons for my choice.</p> <p><b>Does your school have a Policy for DT practical activities and Risk Assessments for DT activities?</b></p> <p><b>It is suggested that a full risk assessment is written to complete this activity. Please follow the guidelines set by your school for the safe distribution and use of resources, equipment and materials.</b></p>	<p>The children should be given a selection of materials that they can use to make their decorations or alternatively they could collect their own resources from outside or home as an additional activity to the lesson.</p> <p>Their decoration can be made from the following materials: natural, re-used, re-cycled or re-purposed. They should then decide what material they could use for each part of their decoration. Children should then test each of the materials that they have chosen.</p> <p>A carousel of tests could be set up around the classroom. The children could visit each one to test out the different materials for strength.</p> <ol style="list-style-type: none"> <li>Strength – The children could use a hair dryer and find out what happens when they point it towards the material.</li> <li>Weight. The children could attach an elastic band around the materials and try picking it up with only finger and thumb. The materials should all be of a similar size for this test.</li> <li>How hard is the material? The children could carefully try pressing drawing pins into material.</li> <li>How waterproof is the material? The children should place the material in water and see if soaks up the water.</li> </ol>	<p>Slides</p> <p>Activity Booklet – page 4</p> <p>Materials to test</p>

LEARNING OBJECTIVES	LEARNING ACTIVITIES	RESOURCES
I can design my Lilidorei decoration.	<p>Children should draw a detailed design of their decoration</p> <p>This should be labelled showing the materials (decided from the previous stage of the design cycle) to be used, sizes and colours.</p> <p>They should also include instructions on how they are going to make the decoration – nails, glue etc.</p> <p>At this stage, the house should be drawn to scale as much as possible.</p>	<p>Slides</p> <p>Activity Booklet – page 5</p> <p>Ruler</p> <p>Coloured Pencils</p>
<p>I can make my Lilidorei decoration.</p> <p><b>Does your school have a Policy for DT practical activities and Risk Assessments for DT activities?</b></p> <p><b>It is suggested that a full risk assessment is written to complete this activity. Please follow the guidelines set by your school for the safe distribution and use of resources, equipment and materials.</b></p>	<p>Children should make their Lilidorei decoration by following their design and the materials provided or sourced. This should follow their decoration design that they drew on page 6 of their activity booklet.</p> <p>Once completed, the children should take a photograph of their completed house.</p> <p>This should be stuck into their activity book on page 6 – My Lilidorei Decoration.</p>	<p>Slides</p> <p>Activity Booklet – pages 6</p> <p>Materials</p> <p>Equipment</p> <p>Camera to take a photograph of decoration.</p>
I can evaluate my Lilidorei decoration.	<p>Children should reflect on the decorations they have created, through all the design cycle stages – ideas, investigation, design and creation.</p> <p>What did they do well?</p> <p>What would they do differently if you they were to make a new decoration?</p>	<p>Slides</p> <p>Activity Booklet – page 7</p>
I can consider the views of others to improve my Lilidorei decoration.	<p>Children’s work is displayed around the classroom with their final page of the activity book open next to their Lilidorei decoration.</p> <p>Children should visit 5 decorations of their peers.</p> <p>They should look at each decoration and consider the design, material used, colour and structure.</p> <p>They should then write in the comment boxes:</p> <ul style="list-style-type: none"> <li>• one thing that they believe is good about the decoration</li> <li>• one thing that they suggest could have improved the decoration further.</li> </ul>	<p>Slides 22-23</p> <p>Activity Booklet – page 8</p>
We’re off to Lilidorei	<p>Your Lilidorei decoration will now be taken to Lilidorei to decorate a bare Christmas tree.</p> <p>Whilst you play at Lilidorei, your tree will be decorated.</p> <p>A photograph of you and your school tree will be taken and sent to school.</p>	Slide 24
Key Vocabulary	<ul style="list-style-type: none"> <li>• Design Cycle</li> <li>• Design Brief</li> <li>• Ideas</li> <li>• Investigation</li> <li>• Design</li> <li>• Create</li> <li>• Evaluate</li> </ul> <ul style="list-style-type: none"> <li>• Re-used material</li> <li>• Re-cycled material</li> <li>• Re-purposed material</li> <li>• Natural material</li> <li>• Weatherproofed</li> <li>• Strong</li> <li>• Hard-wearing</li> </ul>	Slide 25