



ART	D&T*	Geography	History	ICT	MFL	MUSIC	PE & SPORT	PSHE/SMSC	RE	SCIENCE
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Lesson	Learning Objective and Success Criteria	Learning Tasks & Activities	Resources/ICT	Links to the Arts
1	<p><b><u>L.O. Develop drawing techniques in using line, shape and form.</u></b></p> <p><b><u>Success Criteria:</u></b></p> <ol style="list-style-type: none"> <li>1. I must understand different ships.</li> <li>2. I should be able to use a pencil accurately to make sketches.</li> <li>3. I could discuss what I could change to improve.</li> </ol>	<p><b>Introduction:</b> Talk and discuss with the children so they begin to understand historical concepts such as continuity and change. Identify similarities and differences between ways of life in different periods. Compare the ships of different eras and think about the length of voyages. As a class make a timeline of the ships.</p> <p><b>Activity:</b> Children to make sketches of the different ships.</p> <p><b>Plenary:</b> Share the sketches with the class. What do we really like about these sketches?</p>	Ship timeline IWB	<i>Music- Listen to and learn 'The Pirate Song'</i>
2	<p><b><u>L.O. To use painting to develop and share their ideas, experiences and imagination.</u></b></p> <p><b><u>Success Criteria:</u></b></p> <ol style="list-style-type: none"> <li>1. I must understand modern boats.</li> <li>2. I should be able to discuss differences.</li> <li>3. I could discuss what I could change to improve.</li> </ol>	<p><b>Introduction:</b> As a class begin to look at the different design features of boats and ships. Discuss what the boats have and how they are different from modern boats. Ask children if they have been on a boat. What design features did the boat have?</p> <p><b>Activity:</b> Use watercolours to paint a picture of a ship with a specific purpose. Show children the ship on the IWB. Model how to draw and use the watercolours.</p> <p><b>Plenary:</b> As a class share the different ships. Look at the water colours used and discuss if primary colours have been used.</p>	Different designs of boats IWB	<i>Music- Listen to and learn 'The Pirate Song'</i>

<p>3</p>	<p><b><u>L.O. To understand how do boats stay afloat.</u></b></p> <p><b><u>Success Criteria:</u></b></p> <ol style="list-style-type: none"> <li>1. I must be able to understand suitable materials.</li> <li>2. I should be able to explain the difference between floating and sinking.</li> <li>3. I could discuss floating and sinking.</li> </ol>	<p><b>Introduction:</b> Look at floating and sinking. Recap the science experiment that the class completed in the past. Discuss the materials we used and which materials were best for the boat.</p> <p><b>Activity:</b> Carry out simple floating and sinking experiments and begin to understand why heavy metal boats float.</p> <p><b>Plenary:</b> What materials floated? What materials sank?</p>	<p>Materials sponge, clay, lego) Water IWB</p>	<p><i>Music- Listen to and learn 'The Pirate Song'</i></p>
<p>4</p>	<p><b><u>L.O. To understand how boats are powered.</u></b></p> <p><b><u>Success Criteria:</u></b></p> <ol style="list-style-type: none"> <li>1. I must be able to research different power sources.</li> <li>2. I should be able to construct a boat from a range of suitable materials.</li> <li>3. I could explain how the different mechanisms work.</li> </ol>	<p><b>Introduction:</b> Explore how boats move through water; begin to watch the clips together and look at propellers, motors etc.</p> <p><b>Activity:</b> Construct simple boats with a range of power sources. Explore and use mechanisms in their products.</p> <p><b>Plenary: Gallery Walk.</b> Children to take a gallery walk around the classroom. What do you really like? Why? What do you think could be improved on your own model?</p>	<p>IWB Materials to construct</p>	<p><i>Music- Listen to and learn 'The Pirate Song'</i></p>
<p>5</p>	<p><b><u>L.O. To understand what boat shape is the best.</u></b></p> <p><b><u>Success Criteria:</u></b></p> <ol style="list-style-type: none"> <li>1. I must be able to understand different shapes.</li> <li>2. I should be able to understand the difference between regular and irregular.</li> <li>3. I could explore different shapes.</li> </ol>	<p><b>Introduction:</b> Investigate different boat hull shapes and find out which is the most efficient for moving through water.</p> <p><b>Activity:</b> Identify and create regular and irregular 2D shapes to make the basis of a boat's shape. To explore how different shapes affect how a boat moves through water.</p> <p><b>Plenary:</b> Children to discuss the different shapes, what are they?</p>	<p>IWB</p>	<p><i>Music- Perform the Pirate Song.</i></p>

<p>6</p>	<p><b><u>L.O. To be able to design a functional boat.</u></b></p> <p><b><u>Success Criteria:</u></b></p> <ol style="list-style-type: none"> <li>1. I must understand different boat designs.</li> <li>2. I should be able to design a power source.</li> <li>3. I could design a quick method of travel.</li> </ol>	<p><b>Introduction:</b> Design and build a boat, with a power source, to carry a small load.</p> <p><b>Activity:</b> Design and make a boat that will travel quickly, in a straight line and carrying a load.</p> <p><b>Plenary:</b> Children to show off their final design</p>	<p>IWB</p>	<p><i>Music- Perform the Pirate Song.</i></p>
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