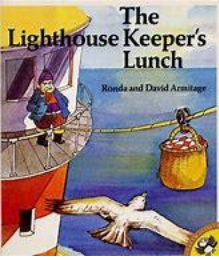


National Curriculum Objectives	Key Knowledge and <b>Vocabulary</b>
<ul style="list-style-type: none"> <li>design purposeful, functional, appealing products for themselves and other users based on design criteria</li> <li>generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology</li> <li>select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]</li> <li>select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics</li> <li>explore and evaluate a range of existing products</li> <li>evaluate their ideas and products against design criteria</li> <li>explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products</li> </ul>	<p><i>We will link this unit to work in English and History and also to Christmas</i>  <i>English link – make moving pictures of the Bog Baby swimming across the pond.</i>  <i>History link – The Gunpowder Plot – make moving pictures of fireworks shooting upwards and rotating Catherine wheels</i>  <i>Christmas link – Make a pop-up santa gift for person of our choice (service)</i></p> <p>Identify the direction of <b>movement</b> in a <b>sliding mechanism</b>          Investigate different ways of making <b>sliders</b>          Evaluate their work and identify areas for future development</p> <p>Understand the terms '<b>lever</b>' and '<b>pivot</b>'          Combine and join materials to make lever mechanisms          Generate ideas for different ways of using lever mechanisms in moving pictures</p> <p>Know and describe what a pivot is          Cut out and join components to create a <b>wheel mechanism</b>          Evaluate their work and identify areas for future development</p>
<p><b>Links to our school values:</b></p> <p>Service</p>	<p>Discuss ideas for how they could incorporate moving mechanisms into pictures/models          Draw on previous experience of moving mechanisms to design a moving picture/model          Convey in pictures and words how they will create their moving picture</p>
<p><b><u>Texts to support learning</u></b></p> <p><b>Fiction:</b></p> 	<p>Follow a design to create a picture with a moving mechanism          Work safely with a variety of tools and materials to create a moving mechanism          Identify ways in which they can improve their finished products</p> <p><b>Evaluate</b> their own moving pictures/models and say what they think and feel about them          Identify what they have done well and suggest how they could make improvements          Give their opinion about the work of other children and give positive feedback</p>