




## Year 1- Rafts

<p><b>Concepts</b></p>	 <p>Finding out about what already exists and how things work</p> <p>Innovate</p>	 <p>Using a range of skills and tools to design and make</p> <p>Technique</p>	 <p>Evaluate success of own and others' design</p> <p>Evaluate</p>
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Building on from the construction skills children would have developed in EYFS, the children will be given a brief to design a raft. They will need to consider their choice of materials, their knowledge of sinking and floating as well as suitable ways to join materials together. This supports the children's learning as they progress through the curriculum, making a bug hotel in Year 2, a floating garden in Year 3, and shelters in upper KS2.

### National Curriculum

- I can create simple designs for a product
- I can use pictures and words to describe what is done
- I can select from and use a range of tools and equipment to perform practical tasks e.g. cutting, shaping, joining and finishing
- I can use a range of simple tools to cut, join and combine materials and components safely
- I can ask simple questions about existing products and those which are made
- I can build structures, exploring how they can be made stronger, stiffer and more stable
- I can use wheels and axles in a product
- I can make structures by joining simple objects together

### Learning Overview

- Look at a range of rafts and consider the materials they are made from
- Consider the uses of them
- Consider how they are held together
- Investigate materials that can float
- Present children with the task of designing a raft that can carry a small figure from one 'island' to another
- Investigate ways of joining suitable materials together
- Design and make a raft that can float
- Consider using wheels and axels so that it can also move across land to the water (challenge)
- Evaluate end product