

# Design Technology at Shelton Junior School

Our DT curriculum is inspiring, imaginative and practical. DT encourages children to learn to think and intervene creatively to solve problems both as individuals and to collaborate as members of a team. We encourage children to use their creativity and imagination, to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We aim to, wherever possible, link work to other areas of the curriculum. The children are also given opportunities to reflect upon and evaluate past and present design technology, its uses and its effectiveness and are encouraged to become innovators and risk-takers.



<p>At Shelton Junior School, our <b>POWER curriculum</b> gives us the</p> <p><b>P</b>ower to achieve our dreams, and the</p> <p><b>O</b>racy skills needed to be successful.</p> <p><b>W</b>e are kind to each other and care for our school, community &amp; planet.</p> <p><b>E</b>veryone is equal and treated with respect.</p> <p><b>R</b>eading for knowledge and pleasure gives us the <b>POWER</b> to succeed!</p>				<p>Our <b>Shelton Superpowers</b> underpin all aspects of school life as we seek to nurture these qualities in all children in our care:</p> <p><b>Perseverer</b> - resilience</p> <p><b>Reflector</b> - reflectiveness</p> <p><b>Investigator</b> - curiosity</p> <p><b>Thinker</b> - concentration</p> <p><b>Collaborator</b> - collaboration</p>	
<p><b>Power to achieve our dreams</b></p>	<p><b>Oracy skills</b></p>	<p><b>We are kind and caring</b></p>	<p><b>Everyone is equal</b></p>	<p><b>Reading</b></p>	
<ul style="list-style-type: none"> <li>◆ In school events focussing on an area of design technology.</li> <li>◆ Holiday project homework to engage parents and pupils</li> <li>◆ Exhibition opportunity to show-case creations.</li> <li>◆ Visitors linked to local design technology industry.</li> <li>◆ Clear teacher modelling.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Exploration of 'sticky' words for each new topic.</li> <li>◆ 'Learning Journey' working walls highlight key vocabulary.</li> <li>◆ Opportunities to create presentations to support oracy.</li> <li>◆ Use of technology to support oracy fluency and opportunities for oracy practise in class.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Recognition of achievements of past pupils and local people/businesses to promote kindness and caring attitudes.</li> <li>◆ Supporting each other during lessons with the tasks.</li> </ul>	<ul style="list-style-type: none"> <li>◆ All children have access to the Design Technology National Curriculum.</li> <li>◆ In-class and TA support.</li> <li>◆ Vocabulary pre-teaching.</li> <li>◆ Suitable learning opportunities for all with a range of challenges and different resources.</li> <li>◆ Task are open-ended and can have a variety of responses.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Knowledge of an extensive and rich vocabulary.</li> <li>◆ The ability to think, reflect, debate, discuss and evaluate their use of design.</li> <li>◆ A desire to embrace challenging activities, including opportunities to undertake high-quality research across a range of design technology skills.</li> </ul>	
<p><b>DT Concepts</b></p> <ul style="list-style-type: none"> <li>◆ Designing</li> <li>◆ Making</li> <li>◆ Evaluating</li> <li>◆ Technical knowledge</li> <li>◆ Cooking and nutrition</li> </ul>				<p><b>DT Content</b></p> <ul style="list-style-type: none"> <li>◆ Structures</li> <li>◆ Food</li> <li>◆ Textiles</li> <li>◆ Mechanical systems</li> <li>◆ Electrical systems</li> </ul>	