

National Curriculum Aims for Key Stage 1 & 2

All Pupils should:

- Develop the creative, technical and practical expertise needed to perform everyday task confidently and to participate successfully in an increasingly technical world
- Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users
- Critique, evaluate and test their ideas and products and the work of others
- Understand and apply the principles of nutrition and learn how to cook

D&T KS1	Year 1						Year 2					
<i>Statutory Curriculum Objectives</i>	<i>Welcome to Yr 1</i>	<i>Are We There Yet?</i>	<i>Land Before Time</i>	<i>Year 1 Saves the World</i>	<i>The Garden of England</i>	<i>Walking on Sunshine</i>	<i>In My Pride</i>	<i>In the Dark, Dark House</i>	<i>What Did You Say?</i>	<i>Seaside Rescue</i>	<i>Down at the Bottom of the Garden</i>	<i>Food, Glorious Food</i>
Focus/Outcomes	<i>Design and construct a Photo frame</i>	<i>Vehicles</i>	<i>N/A</i>	<i>Musical Instruments</i>	<i>Designing a garden</i>	<i>Food & tie dye.</i>	<i>Make a memory box</i>	<i>Make a moving puppet</i>	<i>N/A</i>	<i>Winding mechanism</i>	<i>Designing and create a garden</i>	<i>Healthy and nutritious dishes</i>
Cooking and Nutrition												
<i>Use the basic principles of a healthy and varied diet to prepare dishes.</i>						✓						✓
<i>Understand where food comes from</i>						✓						✓
<i>Cut, peel or grate ingredients safely and hygienically.</i>						✓						✓
<i>Assemble or cook ingredients.</i>						✓						✓
<i>Measure or weigh using measuring cups or electronic scales.</i>						✓						✓
Design												
<i>Design purposeful, functional, appealing products for themselves and other users based on design criteria</i>	✓	✓		✓	✓		✓			✓		

Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology	✓	✓		✓	✓		✓			✓	✓	
Design products that have a clear purpose and an intended user.	✓	✓		✓	✓		✓			✓		
Make												
Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]	✓	✓		✓			✓	✓		✓		✓
Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics	✓	✓		✓			✓			✓		✓
Make products, refining the design as work progresses.	✓	✓		✓						✓		
Use software to design.					✓						✓	
Guidance												
<p>Materials- Cut materials safely using tools provided, Measure and mark out to the nearest centimetre, Demonstrate a range of cutting and shaping techniques (such as tearing, cutting, folding and curling), Demonstrate a range of joining techniques (such as gluing, hinges or combining materials to strengthen).</p> <p>Textiles- Shape textiles using templates, Join textiles using running stitch, Colour and decorate textiles using a number of techniques (such as dyeing, adding sequins or printing).</p> <p>Electricals and electronics- Diagnose faults in battery operated devices (such as low battery, water damage or battery terminal damage),</p> <p>Computing- Model designs using software.</p> <p>Construction- Use materials to practise drilling, screwing, gluing and nailing materials to make and strengthen products.</p> <p>Mechanics- Create products using levers, wheels and winding mechanisms.</p>												
Evaluate												
Explore and evaluate a range of existing products	✓	✓		✓		✓	✓			✓		✓
Evaluate their ideas and products against design criteria	✓	✓		✓		✓	✓	✓		✓	✓	✓
Technical Knowledge												
Build structures, exploring how they can be made stronger, stiffer and more stable		✓					✓					
Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.										✓		
Take Inspiration from History												

<i>Explore objects and designs to identify likes and dislikes of the designs.</i>	✓	✓		✓		✓	✓			✓		
<i>Suggest improvements to existing designs.</i>	✓	✓		✓		✓	✓			✓		
<i>Explore how products have been created.</i>	✓	✓		✓		✓	✓			✓		