

# Design Technology



EXPLORERS		PATHFINDERS
Composites	Components	Composites
<b>Design</b>  <b>Begin to show accuracy and care when drawing</b>	<p>To develop their own ideas and then decide which materials to use to express them</p> <p>To master the skills of holding a pencil making meaningful marks</p> <p>To create collaboratively, sharing ideas, resources and skills</p> <p>To talk about their design and what they want it to do</p>	<p><b>Pupils should be taught to design purposeful, functional, appealing products for themselves, and other users based on design criteria (NC)</b></p> <p><b>Dt3</b> Identify a target group for what they intend to design and make</p> <p><b>Pupils should be taught to generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology (NC)</b></p> <p><b>Dt5</b> Generate and talk about their own ideas</p>



<p><b>Make</b></p> <p><b>Use a range of tools, including scissors, paint brushes and cutlery</b></p>	<p>To safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function</p> <p>To use a range of small tools To hold scissors correctly and safely To experiment with different brush sizes</p> <p>To follow simple instructions</p> <p>To explore different materials freely, in order to develop their ideas about how to use them and what to make</p> <p>To join different materials and explore different textures</p>	<p><b>Pupils should be taught to select from and use a range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing) (NC)</b></p> <p><b>Dt6</b> Follow safe procedures</p> <p><b>Dt8</b> Use tools and materials with help</p> <p><b>Pupils should be taught to select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics (NC)</b></p> <p><b>Dt1</b> Explore the sensory qualities of materials</p> <p><b>Dt7</b> Take account of simple properties of materials when deciding how to cut, shape, combine and join them</p>
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<b>Technical Knowledge</b>	<p>To experiment with construction toys to build shapes</p> <p>To explain what their model is and how it works</p>	<p><b>Pupils should be taught to build structures, exploring how they can be made stronger, stiffer and more stable (NC)</b></p> <p><b>Dt2</b> Explore ways to construct models</p> <p><b>Dt4</b> Recognise how structures can be made stronger, stiffer and more stable</p>
<b>Cooking and Nutrition</b>	<p>To know that some foods are healthy foods e.g fruit</p> <p>To know that some foods grow in the ground as vegetables</p>	<p><b>Pupils should be taught to understand where food comes from (NC) KS1 3D PSHE</b></p>