



DT Progression of Skills

Year 6



Year 6 National Curriculum Objectives for Design Technology: Children will be taught to:

Topics:

<p>Designing</p> <ul style="list-style-type: none"> • Carries out research, using questionnaires and the web • Identifies the needs, wants and preferences of focused group • Generates their own design brief/criteria • Makes design decisions that take into account the availability of resources • Generates realistic ideas • Produces prototypes to test designs and adapts accordingly 	<p>Making</p> <ul style="list-style-type: none"> • Chooses appropriate tools, justifying choice and works safely with a range of equipment • Formulates detailed steps-by-step plans to guide the making process • Produces appropriate lists of tools, equipment and materials they need • Accurately assemble, join and combine materials and components • Demonstrate resourcefulness when tackling practical problems • Produces good quality end products that are also aesthetically pleasing
<p>Evaluating</p> <ul style="list-style-type: none"> • Take into account the views of others when evaluating their designs – identifying strengths and areas for development • Considers whether their design was fit for purpose • Considers the methods of construction used; how sustainable to the materials in the products are and whether a product achieves its purpose when evaluating ready-made products 	<p>Technical Knowledge</p> <ul style="list-style-type: none"> • Understand how to program a computer to monitor change in the environment and control products • Understand how electrical circuits and components can be used to create products • Knows how to reinforce and strengthen a 3Dframework
<p>Cooking and Nutrition</p> <ul style="list-style-type: none"> • Understands how food is processed into ingredients that can be eaten or used in cooking (from wheat to bread) • Can follow a simple recipe (bread) showing due consideration to health and safety and food hygiene • Can adapt a basic recipe by adding own ingredients to alter the taste , appearance, texture or aroma (bread) • Understand that different food and drink contain different substances that are needed for health e.g. nutrients, water, fibre • Can carry out a detailed product analysis of a ready-made product and suggest improvements • Can evaluate own end product and offer suggestions as to how to improve the product next time in terms of its taste, texture, aroma and appearance 	
<p>Notes</p>	
<p>Children working below objectives listed above</p>	<p>Children who are working above objectives listed above</p>