

# Design and Technology

## Disciplinary and Substantive Concepts

### Year 6

<b>Year 6</b>	
Block A	<p><b>FOOD AND NUTRITION</b>  <b>Multicultural Influences on Food</b>  <b>Can street foods save us?</b>          Know what street foods are          Know how snacks can be good foods to eat          Be able to make a burrito          Be able to make and roll bread dough          Be able to make a savoury pastry</p>
Block D	<p><b>STRUCTURES</b>  <b>Designing Structures Revisited – Combining Skills and Knowledge</b>  <b>How strong is a piece of spaghetti?</b>          Know structures can be supported with guy lines and flying buttresses          Know the shorter a piece of spaghetti, the stronger it will be          Be able to use guy lines or flying buttresses to support a tower          Be able to use appropriate lengths of spaghetti to increase strength and stability</p>
Block F	<p><b>TEXTILES</b>  <b>Sustainable Materials</b>  <b>How can you reduce, recycle and repurpose?</b>          Know some waste materials can be recycled and repurposed into practical, useful items          Be able to create yarn from a waste fabric t-shirt          Be able to perform basic crochet stitches such as chain stitch          Be able to create useful and practical items from waste materials</p>
Block E	<p><b>ELECTRICAL SYSTEMS</b>  <b>Complex Switches and Circuits</b>  <b>Can switches perform more than one function?</b>          Know more than one switch can be used to change the functionality of a product          Be able to use switches to adapt a product in response to a design brief</p>
Block B	<p><b>MECHANISMS</b>  <b>Pulleys</b>  <b>How do pulleys make life easier?</b>          Know some types of pulley systems          Know common uses of pulleys          *****</p>
Block C	<p><b>FOOD AND NUTRITION</b>  <b>Food and Mood</b>  <b>Does food affect the way you feel?</b>          Know how food can improve mood and energy levels</p>

	<p>Be able to dice, slice, peel, grate and cook a range of vegetables</p> <p>Be able to make a sauce and a stock</p> <p>Be able to use height and colour to improve the visual appeal of food</p>
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