

# Design and Technology

## Disciplinary and Substantive Concepts

### Year 2

Block F	<p><b>STRUCTURES</b></p> <p><b>Developing Strength in Structures</b></p> <p><b>How strong is a piece of paper?</b></p> <p>Know paper becomes stronger when it is folded          Be able to fold paper to increase strength and stability          Be able to test and record how much weight paper can hold</p>
Block B	<p><b>FOOD AND NUTRITION</b></p> <p><b>Nutrients and the Body</b></p> <p><b>What does healthy mean?</b></p> <p>Know why vegetables are so important to our health          Know what processed foods are          Be able to prepare a range of salad vegetables          Be able to shape and season a bread snack</p>
Block A	<p><b>TEXTILES</b></p> <p><b>Exploring shape using a template</b></p> <p><b>How can you repurpose an item of clothing?</b></p> <p>Know how to cut out shapes which have been created by using a template          Know how to use a range of basic sewing skills          Be able to join fabric using a range of sewing skills</p>
Block E	<p><b>FOOD AND NUTRITION</b></p> <p><b>Processed Food</b></p> <p><b>How healthy is your food?</b></p> <p>Know the difference between fresh food and ultra-processed foods          Be able to shape and form ingredients to make delicious food          Be able to use a range of culinary techniques</p>
Block C	<p><b>MECHANISMS</b></p> <p><b>Axels and Wheels</b></p> <p><b>Are bigger wheels always better?</b></p> <p>Know how wheels and axels work together          Know the size and position of wheels affects how they move          Be able to create a simple wheel mechanism          Be able to use wheel mechanisms to propel a simple vehicle</p>
Block D	<p><b>MATERIALS</b></p> <p><b>Manipulating Materials</b></p> <p><b>How can you waterproof a hat?</b></p> <p>Know materials can be modified to become waterproof          Be able to make paper waterproof          Be able to transform flat paper by folding and creasing to form a hat</p>