

**St Michael's Catholic Primary School**  
**Design Technology Overview 2022-2023**

	Autumn 1	Spring 1	Summer 1
<b>EYFS</b>	Children will construct with a purpose in mind, using a variety of resources. They will use simple tools and techniques competently and appropriately, adapting resources where appropriate. They will plan, make decisions about a task and will solve problems to reach their goals. They will also test their ideas and review how well their approach has worked.		
<b>Year 1</b>	<b>Mechanisms (Sliders and Levers)</b>  Brief: Design and make a moving story book	<b>Structures (freestanding)</b>  Brief: Design and make baby bear's chair	<b>Food (Fruit and vegetables)</b>  Brief: Design and make a healthy wrap or sandwich as part of a balanced diet
<b>Year 2</b>	<b>Structures (2D to 3D)</b>  Brief: Design and make a windmill	<b>Textiles (Joining Techniques)</b>  Brief: Design and make a storage pouch for a specific purpose	<b>Mechanisms (Wheels and Axels)</b>  Brief: Design a moving monster
<b>Year 3</b>	<b>Food (Eating Seasonally)</b>  Brief: Design and make a healthy soup as part of a balanced diet	<b>Structures (Castles)</b>  Brief: Design and make a castle for a specific target audience	<b>Textiles (Fastenings)</b>  Brief: Design and Make a pencil case
<b>Year 4</b>	<b>Mechanisms (Levers and links)</b>  Brief: Design and make a slingshot car	<b>Food (Smoothies)</b>  Brief: Design and make a healthy smoothie to promote a balanced diet	<b>Electrical Systems (Simple circuits and switches)</b>  Brief: Design and make a torch

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<b>Year 5</b>	Structures (Framed structures e.g., bridges)  Brief: Design and make a sturdy bridge	Food (Bread)  Brief: Design and make your own bread	Textiles (Cushions)  Brief: Design and make a cushion
<b>Year 6</b>	Food (Adapting a recipe)  Brief: Adapt an existing food recipe and substitute ingredients to make it healthier	Electrical Systems (Complex switches and circuits)  Design Brief: Change an existing product to suit a different function	Mechanisms (Pop- Up Book)  Brief: Design and make pop-up book with sliders and levers.

Mechanisms Coverage - Year 1, Year 2, Year 3, Year 6

Textiles Coverage - Year 2, Year 3, Year 5

Structures Coverage - Year 1, Year 2, Year 3, Year 5

Electrical control - Year 4, Year 6

Food - Year 1, Year 3, Year 5, Year 6