



Saint Michael Catholic Primary School



Design and Technology Curriculum Overview 2024 – 2025

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1		Structures: Constructing A Windmill Making a stable structure, making functioning sails/ blades attaching to supporting structure, making a windmill.		Textiles: Puppets Joining fabric to create a puppet		Cooking and Nutrition: Fruit and Vegetable Smoothie Identify fruits and vegetables to design and make a smoothie
Year 2		Mechanisms: Moving Monsters Plan, design and develop a mechanical monster using linkage systems.		Cooking and Nutrition: A balanced diet Explore a balanced diet and combinations of food groups.	Structures: A chair for a King or Queen Experiment with different materials and structures to design, make and test a chair	
Year 3		Cooking and Nutrition: Eating Seasonally Learning and exploring seasonal foods, creating a seasonal tart.		Mechanisms: Pneumatic Toys Examine pneumatic systems to create a pneumatic toy		Structures: Castles Use construction techniques to plan and evaluate complex arrangements of structures
Year 4		Electrical Systems: Make a simple electric circuit to make a functioning torch.		Textiles: Fastenings Research different fabric fastenings to design and make a purse/book sleeve		Cooking and Nutrition: Eating Seasonally Understand seasonality and make a crumble using seasonal ingredients
Year 5		Structures: Bridges Explore and experiment with a range of bridge structures before designing and making their own		Mechanisms: Pop-up Books Use a range mechanisms and construction techniques to create a pop-up book		Cooking and Nutrition: What Could Be Healthier? Design a nutritious meal
Year 6		Mechanican Systems: Automata Toys Developing fuctional automata toys or a window display using cams, followers and axles to create movement.		Strcutures: Playgrounds Create and design apparatus, making structures and a range of landscape features using a varitey of materials.		Textiles: Costumes Draw a design to measure, cut and assemble fabric to create a costume or prop