



# Design & Technology Overview

*"You can't use up creativity. The more you use, the more you have"*

*Intent: Children to become independent, creative problem solvers and thinkers, which will help them to identify needs and opportunities for making constructions and products to fit in today's world.*

	Cooking & Nutrition	Mechanisms	Structures	Textiles	Electrical Systems	Digital World
Reception			Junk Modelling Boats	Bookmarks		
Year 1	Smoothies	Moving story book Wheels & axles (new)	Stable structures			
Year 2	Balanced diet	Fairground wheel Moving monster	Baby bear's chair	Pouches		
Year 3	Eating seasonally	Pneumatic toys (new)	Constructing a castle	Cross stitch & applique – Egyptian collars		Wearable technology
Year 4	Adapting a recipe	Mechanical cars (new)	Helmets	Fastenings	Torches	
Year 5	Developing a recipe	Gears & pulleys (new)	Bridges		Wobble bots	Monitoring devices
Year 6	Come dine with me	Automata toys	Playgrounds		Steady hand game	Navigating the world

	Autumn		Spring		Summer	
	Unit 1	Unit 2	Unit 3		Unit 4	Unit 5
Reception	Junk Modelling (all) <b>Structures</b>		Boats (all) <b>Structures</b>		Bookmarks (all) <b>Textiles</b>	
	Hibernation boxes	Sliding Santa chimneys	Hanging egg decoration	Flower threading	Designing a rainbow salad	Making a rainbow salad
Year 1	Stable structures (lessons 1, 2, 3) <b>Structures</b>	Moving story book (lessons 1,2,3) <b>Mechanisms</b>	Wheels & axels (new) (all 5 lessons) <b>Mechanisms</b>			Smoothies (lessons 1,2,5 and 6) <b>Cooking &amp; nutrition</b>
Year 2	Fairground wheel (all 5 lessons) <b>Mechanisms</b>	Balanced diet (lessons 1,2,5,6) <b>Cooking &amp; nutrition</b>	Baby bear's chair (lessons 2,3,4) <b>Structures</b>		Pouches (lessons 1,2,3) <b>Textiles</b>	Moving monster (all 4 lessons) <b>Mechanisms</b>
Year 3	Constructing a castle (lessons 2,3,4) <b>Structures</b>	Pneumatic toys (new) (lessons 1,3 and 4) <b>Mechanisms</b>	Wearable technology (lessons 2,3,4,5) <b>Digital world</b>		Cross stitch & applique – Egyptian collars (all 4 lessons) <b>Textiles</b>	Eating seasonally (lessons 2,4,5 and 6) <b>Cooking &amp; nutrition</b>
Year 4	Mechanical cars (new) (lessons 2,3,4,5) <b>Mechanisms</b>	Fastenings (lessons 2,3,4) <b>Textiles</b> To begin academic year 2026-27	Helmets (all 5 lessons) <b>Structures</b>		Adapting a recipe (lessons 1,2,3,5) <b>Cooking &amp; nutrition</b>	Torches (lessons 2,3,4) <b>Electrical systems</b>
Year 5	Developing a recipe (lessons 2,3,4,6) <b>Cooking &amp; nutrition</b>	Wobble bots (lessons 1,2,3) <b>Electrical systems</b>	Gears & pulleys (new) (lessons 1,2,3) <b>Mechanisms</b>		Monitoring devices (all 4 lessons) <b>Digital world</b>	Bridges (all 4 lessons) <b>Structures</b>
Year 6	Playgrounds (lessons 1,2,3) <b>Structures</b>	Automata toys (all 4 lessons) <b>Mechanisms</b>	Steady hand game (lessons 2,3,4) <b>Electrical systems</b>		Navigating the world (all 5 lessons) <b>Digital world</b>	Come dine with me (lessons 2,4,5,6) <b>Cooking &amp; nutrition</b>