

Long Term Plan: Design and Technology

	Autumn Term	Spring Term	Summer Term
Foundation 2	Structures - Let's Get Building!	Structures – Chairs for Three Bears Mechanisms – Hinges and Catches	Textiles - Three Bears' Picnic Blanket Food – Teddy Bears' Picnic
Year 1	Mechanisms – Moving Pictures Sliders and levers	Structures – Whose Home? Freestanding structures	Food – Fantastic Fruit Preparing fruit and vegetables (Including cooking and nutrition requirements for KS1)
Year 2	Mechanisms – Let's Look at Vehicles Wheels and axles	Food – Dips and Dippers Preparing fruit and vegetables (Including cooking and nutrition requirements for KS1)	Textiles – Hand Puppets Templates and joining techniques
Year 3	Structures – Packaging: Banish Broken Biscuits! Shell structures (Including computer-aided design CAD)	Food – Sandwich Snacks Healthy and varied diet (Including cooking and nutrition requirements for KS2)	Textiles – Aprons 2-D shape to 3-D product
Year 4	Mechanical Systems- Mighty Mascots Mechanical and Pneumatic Control	Electrical Systems – Night Lights Simple circuits and switches (including programming and control)	Food – Super Salads Healthy and varied diet (Including cooking and nutrition requirements for KS2)
Year 5	Structures – Bird Hides Frame structures	Food – Willy Wonka's Cookies Celebrating culture and seasonality (Including cooking and nutrition requirements for KS2)	Mechanical Systems – Mechanisms with a Message Pulleys or gears
Year 6	Textiles – Designer Bags Combining different fabric shapes (Including computer-aided design)	Electrical Systems - Alarming Vehicles More complex switches and circuits (including programming, monitoring and control)	Food – Soups Celebrating culture and seasonality (Including cooking and nutrition requirements for KS2)