



Design Technology Overview



Year group	Autumn 2	Spring 2	Summer 2
Nursery	Modelling Hibernation Boxes How can we build a safe and cosy home for animals to hibernate?	Structure Easter Egg decoration How can we design and decorate something to make it special?	Food Technology Rainbow salad How can we make colourful food that is healthy and tasty?
Reception	Modelling Clay animals How can we shape materials to create animals?	Structures Boats- Junk Modelling How can we design and build a boat that floats?	Textiles Bookmarks How can we design and make a bookmark that is strong and useful.
Year 1	Mechanisms Wheels and axels- Pull along toy How do wheels and axles help toys move?	Textiles Making a toy puppet How can we design and make a puppet that children would enjoy playing with?	Food technology Smoothies How can we design a smoothie that is both healthy and delicious?
Year 2	Mechanisms Ferris wheels How can we design a fairground wheel that spins safely and smoothly?	Structures Baby bears chair How can we design a strong chair for baby bear?	Food technology Balance diet- creating a tasty wrap How can we create a healthy wrap that is part of a healthy balanced diet?
Year 3	Mechanical systems Pneumatic toys How can air be used to make toys move?	Textiles Cross stitch and applique- Egyptian collars How can we use stitching and decoration to design a piece of wearable art?	Structures Castles How can we design and make a castle?
Year 4	Food technology Adapting a recipe- biscuits How can we adapt a biscuit recipe to make a new and improved product?	Textiles Book Covers- Fastenings How can we design a book cover that protects books and looks aesthetically pleasing?	Electrical systems Torches - Design an illuminated product to advertise How can we use electricity to design a product that lights up?
Year 5	Structures Bridges How can we design and build a bridge that is strong enough to hold weight?	Mechanical systems- Gears and pulleys How can gears and pulleys change the way things move?	Electrical systems Wobble bot How can we design an electrical toy that moves using a motor?
Year 6	Food Technology Come dine with me- design a balanced meal How can we design and make a balanced meal that others will enjoy?	Textiles Stuffed toys How can we design and make a stuffed toy that appeals to a target market?	Electrical systems Steady hand games How can we design an electrical game that challenges players skills?
Food Technology Structures- Textiles Electrical Systems Mechanisms			