

Design and Technology: Overview of Units

EYFS

Term	Text	Cooking and Nutrition	Exploring materials and tools	Structures	Mechanisms
Continuous Provision		Home corner Exploration of kitchen utensils cooking equipment, spice jars and scales. Developing basic food preparation skills. E.g. peeling fruit, chopping soft fruit (such as bananas), mixing ingredients together and spreading using knives.	Playdough area Use of rolling pins, printers, shapes, cutters, cake cases, pizza cutters, recipe books, scissors, cutlery. Craft/Creative area Junk modelling using a range of materials and resources such as: a range of scissors, hole punches, match sticks, lollipop sticks, collage materials, masking tape, straws, bottle tops, string, straws.	Construction kits To explore structures and materials, including: <ul style="list-style-type: none"> • Stickle bricks • Knex • Waffle blocks • Wooden blocks • Mobilo • Megablocks • Magnetics • Inter-star duplo 	Construction kits To explore how things work and move, including: <ul style="list-style-type: none"> • Marble Run • Kids Knex • Mobilo • Popoids • Builder's Kit
Autumn	The three little pigs	Home corner	Junk modelling to make houses. Play dough to make	Building houses from different construction kits	Sliders and levers – the wolf in the chimney
Spring	Goldilocks and the three bears	Porridge with different flavours	Junk modelling to make beds / chairs of different sizes	Chairs and beds of different sizes	Split pin bears
Summer	Dear Zoo	Home corner – preparing food for the animals	Play dough animals Junk modelling containers for different animals		Moving vehicles to transport the animals – how do the wheels on the toy car go round?

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	Academic Year	Academic Year	Academic Year	Academic Year
Cycle A	2022 to 2023	2024 to 2025	2026 to 2027	2028 to 2029
Cycle B	2023 to 2024	2025 to 2026	2027 to 2028	2029 to 2030

This Design and Technology curriculum was first taught during the Spring Term 2023.

Years One and Two

	Autumn	Spring	Summer
Cycle A	<u>Cooking and Nutrition</u> Party finger food, including sandwiches.	<u>Mechanisms</u> Sliders and Levers: Moving Pictures	<u>Structures</u> Freestanding structures: Billy Goat's Gruff Bridge
Cycle B	<u>Cooking and Nutrition</u> Preparing Fruits and Vegetables: Layered salad	<u>Mechanisms and Structures</u> Winding Mechanisms: Growing plant	<u>Textiles</u> Joining and decorating fabric: Hand Puppets

Years Three and Four

	Autumn	Spring	Summer
Cycle A	<u>Structures</u> Shell Structures using Computer Aided Design: Gift box	<u>Cooking and Nutrition</u> Healthy and Varied Diet: Chapattis and Vegetarian curry	<u>Mechanisms</u> Pneumatics: Greek Theatre
Cycle B	<u>Textiles</u> Bendy bags: drawstring bag	<u>Cooking and Nutrition</u> Savoury party food: Cupcakes	<u>Mechanisms</u> Simple Circuits and Switches: nightlight with simple switch

Years Five and Six

	Autumn	Spring	Summer
Cycle A	<u>Structures</u> Frame Structures: WW2 Shelter	<u>Mechanisms</u> CAM mechanisms: Moving CAM toy	<u>Cooking and Nutrition</u> Celebrating Culture and Seasonality: Tomato Soup
Cycle B	<u>Textiles</u> Combining different fabric shapes: Fairtrade bags	<u>Mechanisms</u> Pulleys or Gears/ Electrical mechanisms: Buggy	<u>Cooking and Nutrition</u> Celebrating Culture and Seasonality: WWII stew and bread