

Design and Technology Overview 2024/2025

Year 1

	Term 1	Term 3	Term 5
Focus	Mechanisms - Wheels and axles	Structures - Free standing structures	Food - Preparing fruits and vegetables
Project - What will be designed, made and evaluated?	A vehicle in pairs	A piece of playground equipment model in pairs	A fruit kebab
Project title	Design, make and evaluate a vehicle for the animals.	Design, make and evaluate a piece of equipment for a new playground.	Design, make and evaluate a fruit kebab for myself for a healthy snack.
Additional DT opportunities	TastEd		

Year 2

	Term 1	Term 3	Term 5
Focus	Mechanisms - Sliders and levers	Textiles - Templates and joining techniques	Food - Preparing fruits and vegetables
Project - What will be designed, made and evaluated?	A sliding picture based on the Great Fire of London.	A hand puppet of a Queen or King.	A fruit and vegetable coleslaw.
Project title	To design, make and evaluate a sliding picture for a children's pop-up book for The Great Fire of London.	To design, make and evaluate a hand puppet for a children's puppet show for entertainment.	To design, make and evaluate a fruit and vegetable coleslaw for children to taste for a Healthy eating option.
Additional DT opportunities	TasteEd		

Year 3

	Term 1	Term 3	Term 5
Focus	Mechanical systems - Levers and linkages	Food - Healthy and varied diet, including cooking and nutrition requirements for KS2	Shell structures including computer aided design
Project - What will be designed, made and evaluated?	A moving toy	A sandwich	A gift box
Project title	Design, make and evaluate a moving toy for a child for entertainment	Design, make and evaluate a packed lunch product for myself for my lunch box	Design, make and evaluate a gift box for a party guest for a birthday celebration
Additional DT opportunities	Taste Ed		

Year 4

	Term 1	Term 3	Term 5
Focus	Textiles - 2D to 3D shape	Electrical systems - simple circuit and switches including programming and control	Food - Healthy and varied diet, including cooking and nutrition requirements for KS2
Project - What will be designed, made and evaluated?	A pencil case.	A police car with working lights and siren.	A wrap to eat.
Project title	Design, make and evaluate a product to hold stationary items.	Design, make and evaluate a product with a simple electrical circuit.	Design, make and evaluate a packed lunch product for my lunch box.
Additional DT opportunities	Taste Ed		

Year 5

	Term 1	Term 3	Term 5
Focus	Food - celebrating seasonality including the requirements for cooking and nutrition for KS2	Frame Structures -	Mechanical Systems - Gears or Pulleys
Project - What will be designed, made and evaluated?	Bread rolls	Model of a Tudor house	Model car using pulleys
Project title	Design, make and evaluate a bread roll for our family for autumn dinners.	Design, make and evaluate a frame structure to demonstrate Tudor architecture.	Design, make and evaluate a wishing well for children to use as a toy.
Additional DT opportunities	Taste Ed		

Year 6

	Term 1	Term 3	Term 5
Focus	Textiles - Combining different fabric shapes including computer aided design	Food - celebrating seasonality including the requirements for cooking and nutrition for KS2	Electrical Systems - More complex circuits and switches including programming and control
Project - What will be designed, made and evaluated?	Bags	Pizza	An alarm
Project title	Design, make and evaluate a bag for myself to carry items.	Design, make and evaluate a pizza for my family for our evening meal.	Design, make and evaluate a burglar alarm for home owner's security.
Additional DT opportunities	TasteEd		