

Subject Overview: Design and Technology

	Autumn	Spring	Summer
Year 1	Mechanisms and Levers Create a celebration card with a pop-up feature using a slider or lever.	Cooking and Nutrition Create a smoothie by chopping and blending fruits.	KS1 Challenge Create a healthy eating poster with a pop-up feature
Year 2	Free Standing Structures Create a bridge using different materials and reinforcements.	Textiles and Joining Create a hand puppet using the joining technique of sewing.	Mechanisms Create a moving box car with wheels and axles.
Year 3	Cooking and Nutrition Design and bake a healthy oat bar.	Levers and Linkages Create an Easter scene with a pop up feature using a slider or lever.	LKS2 Challenge Create a boat with a pop-up sail.
Year 4	Electrical systems Design and create a Christmas light box using a simple circuit.	Frame Structures Plan and create an Anglo-Saxon barn using a wooden frame.	LKS2 Challenge Create a boat with a pop-up sail.
Year 5	Complex Systems and Circuits Create a set of traffic lights controlled by CAD (computer aided design)	Cooking and Nutrition Research and create a healthy cultural dish.	UKS2 Challenge Create a moving card that is controlled by traffic lights (CAD).
Year 6	Pulleys and Gears Create a car that is controlled by pulleys and gears.	Textiles and Joining Research sustainability and create an item of clothing using recycled materials.	UKS2 Challenge Create a moving card that is controlled by traffic lights (CAD).