

Design and Technology Sequence of Learning Reception to Year 6 “Why this, Why now?”

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception Unit	To design a building that cannot be blown down.		To design a hanging decoration.		To design a soup.	
Aspect of DT	<i>Structures</i>		<i>Textiles</i>		<i>Cooking and nutrition</i>	
Reception Vocabulary	Join Material Junk modelling Model		Threading Weaving Sewing Decorations Easter		Healthy eating Fruits Vegetables Ingredients Recipes	
Year 1 Unit	To design equipment for the playground.		To design an outfit to keep Mr Postmouse warm.		To design a healthy lunch for a school trip.	
Aspect of DT	<i>Structures</i>		<i>Textiles</i>		<i>Cooking and nutrition</i>	
Year 1 Vocabulary	Structure Joining Material Stability Trial and error		Design Fabric Seam Sew Template		Food groups Nutrition Fruits and vegetables Protein Dairy Carbohydrates Fats and sugars Healthy Hygiene	
Year 2 Unit	To design a structure that floats.		To design a soft toy for Emily Brown.		To design a moving vehicle.	
Aspect of DT	<i>Structures</i>		<i>Textiles</i>		<i>Mechanisms</i>	
Year 2 Vocabulary	Structures Stability Waterproof Float Buoyancy		Sew Running stitch Blanket stitch Decorations Appendages		Vehicle Wheels Axels Chassis Components Rotates	
Year 3 Unit	To design a pneumatic toy.		To design a healthy snack for break time.		To design a comfortable item to lie a head on.	
Aspect of DT	<i>Mechanisms</i>		<i>Cooking and nutrition</i>		<i>Textiles</i>	
Year 3 Vocabulary	Mechanisms Lever Slider Linkages Control movement Pneumatic toy Air pressure		Healthy Unhealthy Nutrition Fruits Vegetables Seasonal Health benefits		2D 3D Cross stitch Applique Patch Running stitch	

Year 4 Unit	To design a light to use whilst reading at night.	To design a stable structure that provides shade.	To design a cheaper alternative to an existing recipe.
Aspect of DT	<i>Electrical Systems</i>	<i>Structures</i>	<i>Cooking and Nutrition</i>
Year 4 Vocabulary	Circuits Switches Programming Control Electrical Electronic products	CAD Shell structure Three-dimensional (3D) Net Cube Capacity	Cheaper alternative Varied diet Healthy Unhealthy Nutrition
Year 5 Unit	To design a healthier sauce.	To design a structure that connects two places from a distance. (bridge)	To design an alarm.
Aspect of DT	<i>Cooking & Nutrition</i>	<i>Structures</i>	<i>Electrical Systems</i>
Year 5 Vocabulary	Culture Seasonality Nutritional value	Frame structures Arched bridge Beam bridge Coping saw Set square Suspension bridge Truss bridge	Alarms Switches Circuits Programming Control Monitoring
Year 6 Unit	To design an item of clothing for a soldier.	To design a three-course meal.	To design an automata toy.
Aspect of DT	<i>Textiles</i>	<i>Cooking & Nutrition</i>	<i>Mechanical Systems</i>
Year 6 Vocabulary	Prototype Hexagonal prism Net Deconstructed Template Method	Invention Bridle Template Properties (of materials) Sale Frame	Mechanism Motion Rotate/rotating Purpose Functionality Prototype