

Design and Technology Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Structures: Junk modelling Exploring and learning about various types of permanent and temporary join using a combination of materials.	Autumn: Hibernation boxes Pupils learn what it means for an animal to hibernate and discover what different species need. They then develop designs for a hedgehog hibernation box. Christmas craft- sliding santa chimneys	Textiles: Bookmarks Developing and practising threading and weaving techniques using various materials and objects.	Spring craft: Flower threading Using a range of tools and techniques, pupils create their own flower threading pattern and complete it using coloured wool.	Cooking and nutrition- Soup/ fruit kebabs Exploring the differences between fruits and vegetables using their senses Summer activity Making a rainbow salad	Structures: Boats Exploring what is meant by 'waterproof', 'floating' and 'sinking'.
Key Stage 1 Cycle A	Structures-Constructing a windmill		Textiles- puppets		Cooking and nutrition- smoothies	
Key Stage 1 Cycle B	Structures- Baby Bear's chair		Mechanisms- Making a moving monster		Cooking and nutrition- Balanced diet	
Lower Key Stage 2 Cycle A	Mechanical systems- Making a slingshot car		Electrical systems- Torches		Structures- Constructing a Castle	
Lower Key Stage 2 Cycle B	Structures- Pavilions		Cooking and nutrition- Eating seasonally		Textile- Cross stitch and appliqué- cushions	
Upper Key Stage 2 Cycle A	Electrical systems- Doodlers		Cooking and nutrition- Developing a recipe		Structures- Playgrounds	
Upper Key Stage 2 Cycle B	Textiles- Stuffed Toys		Mechanical systems- Pop up books		Digital world- Navigating the world	