Design and Technology Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Make wind socks and streamers. Leaf printing. Fir cone/ leaf marks in playdough. Make scarecrows. Make Elmer out of milk bottles.	Making stick characters from natural materials Salt dough Christmas decorations Designing/ make Christmas cards .Paper chains . Choose suitable materials- Soft materials for animal fur, feathers for owls	Make own Supertato New year hats/ calendars. Pet puppets	Making houses for the 3 little pigs using various boxes, shaped containers, junk modelling. Den making Make 3 billy goat bridges. Sweetie houses. Bird craft- feathers. Make porridge and teddy bear toast	Make and taste fruit salad/ Veggie dippers	Spider and web craft- winding wool/ threading. 3D Bees and Ladybirds. Minibeast bopper headbands. Sandcastles. Under the sea craft
Reception	**Structures: Junk modelling** Exploring and learning about various types of permanent and temporary join using a combination of materials. **Autumn craft-** Nature wreaths	**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 (DT week)	**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. (DT week)	**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'. Design and make boats (DT week)
Key Stage 1 Cycle A	**Structures-Stable Structures**		**Textiles- Simple stitches**		**Cooking and nutrition- smoothies**	
Key Stage 1 Cycle B	**Structures- A chair for bear**		**Mechanisms- Matching slider game**		**Cooking and nutrition- Balanced diet**	
Lower Key Stage 2 Cycle A	**Mechanical systems- Mechanical cars**		**Electrical systems- Torches**		**Structures- Product packaging**	
Lower Key Stage 2 Cycle B	**Structures- Helmets**		**Cooking and nutrition- Eating seasonally**		**Textile- Cross stitch and appliqué- cushions**	
Upper Key Stage 2 Cycle A	**Electrical systems- Wobble bots**		**Cooking and nutrition- Developing a recipe**		**Structures- Playground Pioneers**	
Upper Key Stage 2 Cycle B	**Textiles- Stuffed Toys**		**Mechanical systems- Automata Toys**		**Digital world- Navigating the world**	