

# Oakwood Design and Technology - Long-term plan

EYFS	Autumn	Spring	Summer
	Continuous provision through physical development, expressive art and design, PSED and communication and language		
<b>Key Stage 1</b>			
Year A	<b>Food-fruit salad-</b> Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)	<b>Mechanisms - Toys</b> Sliders and levers	<b>Structures-Playgrounds</b> Freestanding structures
Year B	<b>Textiles- Puppets-</b> Templates and joining techniques	<b>Structures - Tudor Houses</b>	<b>Food – Little Chefs</b> Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)
<b>Lower Key Stage 2</b>			
Year A	<b>Clay – Roman Oil Lamps (D&amp;T process)</b>	<b>Structures - Big Build Project –Bridges and Towers</b>  <b>Mechanisms – Levers and linkages</b> Sling shot chariot (Boudicca chariot)	<b>Food - Afternoon Tea -</b> Healthy and varied diet (including cooking and nutrition requirements for KS2)
Year B	<b>Textiles - Christmas Stockings -</b> 2-D shape to 3-D product		<b>Food – Indian Cuisine</b> (Indian seasonality and range of cooking techniques) (including cooking and nutrition requirements for KS2)  <b>Electrical Systems</b> Simple circuits and switches
<b>Upper Key Stage 2</b>			
Year A	<b>Food-</b> rationing in WW II. Seasonality. Different food groups and substituting food types. Rubbing, shredding, grating skills. (including cooking and nutrition requirements for KS2)	<b>Textiles-</b> Make do and mend. Hemming, darning and repairing using wool.	<b>Mechanical Systems-</b> Moving cogs and cam mechanisms
Year B	<b>Textiles</b> <b>Textiles-</b> link to Christmas. Sewing using cotton and thread. Various stitches and fasteners Combining different fabric shapes (including computer-aided design)	<b>Electrical Systems-</b> creating games using electronics. Builds on circuits knowledge.	<b>Food-</b> link to Mayans (culture). Scaling and cooking economically (bought and homemade) Chopping skills (including cooking and nutrition requirements for KS2)
	Every year- Year 5 K'Nex workshop making frame structures.		