



Oaklands Primary School

Design Technology Long Term Curriculum Plan

		Autumn	Spring	Summer
		Key Stage 1	EYFS	Textiles <ul style="list-style-type: none"> - understand that a 3D textile structure can be made from two identical fabric shapes
YEAR 1	Food – <i>What are fruits & vegetables?</i> <ul style="list-style-type: none"> • That fruit and vegetables are healthy • cut, peel and grate safely, with support 		Textiles – Templates & Joining measure, cut and join textiles to make a product, with some support join textiles together to make a product, and explain how I did it	Structure – Freestanding Structures <i>What makes a good structure?</i> <ul style="list-style-type: none"> - use own ideas to try and make product stronger - begin to measure and join materials
YEAR 2	Mechanisms – <i>How do wheels' work?</i> <ul style="list-style-type: none"> - begin to understand how to use wheels and axles - design a product for a purpose 		Mechanisms – Slides & Levers <i>How do you make a moving picture?</i> <ul style="list-style-type: none"> - begin to use levers or slides - design a product for a user 	Food – <i>How can you prepare fruit & vegetables?</i> <ul style="list-style-type: none"> - explain how to be safe / hygienic and follow own guidelines - The differences between some food groups (i.e. sweet, vegetable etc.) - Describe how food is farmed, home-grown, or caught



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		Lower Key Stage 2	YEAR THREE	<p>Textiles –How can we turn a 2D design into a 3D product?</p> <ul style="list-style-type: none"> - join different textiles in different ways - choose textiles considering appearance and functionality - begin to understand that a simple fabric shape can be used to make a 3D textiles project
YEAR FOUR	<p>Mechanical Structures – Levers & Linkages – Christmas Cards</p> <ul style="list-style-type: none"> - begin to try new/different ideas - use simple lever and linkages to create movement - select most appropriate tools / techniques explain alterations to product after checking it 		<p>Electrical Systems – Simple Programming & Controls <i>How can you make a light flash?</i></p> <ul style="list-style-type: none"> - use simple circuit in product - learn about how to program a computer to control product. - understand and use electrical systems in their products linked to science coverage. 	<p>Food – Celebrating Culture & Seasonality</p> <ul style="list-style-type: none"> - begin to understand food comes from UK and wider world - describe how healthy diet= variety/balance of food/drinks - grow in confidence using some of the following techniques: peeling, chopping, slicing, grating, mixing, spreading, kneading and baking



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Upper Key Stage 2	YEAR FIVE	Textiles – <i>How can we combine different fabric shapes effectively?</i> <ul style="list-style-type: none"> - make product attractive and strong - design and use own template - use a range of joining techniques 	Food – Celebrating Culture & Seasonality <ul style="list-style-type: none"> - present product well - interesting, attractive, fit for purpose - describe how recipes can be adapted to change appearance, taste, texture, aroma - name some types of food that are grown, reared or caught in the UK or wider world 	Mechanical Systems – Pulleys & Gears <i>How can we use pulleys and gears to make a moving structure?</i> <ul style="list-style-type: none"> - begin to use cams, pulleys or gears to create movement - refine product after testing, considering aesthetics, functionality and purpose
	YEAR SIX	Food – Celebrating Culture & Seasonality <i>What is the seasonality of food?</i> <ul style="list-style-type: none"> - describe some of the different substances in food and drink, and how they can affect health - use range of techniques such as peeling, chopping, slicing, grating, mixing, spreading, kneading and baking. - understand seasonality of food - understand food can be grown, reared or caught in the UK and the wider world 	Electrical Systems – More Complex Switches <i>How can we adapt circuits to make a more functional product?</i> <ul style="list-style-type: none"> - Understand and use electrical systems in their products linked to science coverage. - Apply their understanding of computing to program and control their products. - confidently use number of components in circuit 	Structures – Frame Structures <i>How can we make a strong frame structure?</i> <ul style="list-style-type: none"> - begin to reinforce and strengthen a 3D frame - ensure product is strong and fit for purpose - explain how product meets design criteria