

Design Technology Long Term Plan

	Autumn		Spring		Summer
CYCLE A					
EYFS, Year 1 & 2		Structures of a chair Testing the strength of materials and making a strong and stable chair.		Mechanisms: Levers Investigating different types of levers and how they work.	Cooking and Nutrition: Smoothies Cutting and juicing fruits to create a smoothie.
Year 3 & 4		Mechanical Systems: cars Making and designing mechanical cards that use different methods of movement.		Textiles: fastenings Analyse and evaluate range of existing fastenings in order to design your own.	Cooking and Nutrition: Adapting a recipe Adapting an existing biscuit recipe in order to meet a design brief.
Year 5 & 6		Structures: Playground Designing and building a prototype of an innovative playground structure.		Textiles: Bags Designing pattern pieces, making a bag for a specific user.	Cooking and nutrition: Come dine with me Exploring tastes and ingredients to set a three-course meal.
CYCLE B					
EYFS, Year 1 & 2	Painting and Mixed Media: Colour Splash Exploring colour mixing through paint play.		Craft & Design: Woven Wonders Learning fibre art skills such as plaiting, threading, knotting and weaving.		Drawing: Understanding tone and texture Exploring how artists use tone and texture, applying these techniques in observational drawings.
Year 3 & 4	Electrical Systems: Torches Evaluating a range of existing torches and designing a functional torch for a target audience.		Mechanical: Pneumatic Toys Exploring pneumatic systems, applying create a pneumatic toy.		Cooking & Nutrition: Adapting a recipe Learning a basic biscuit recipe and adapting it for a new audience.
Year 5 & 6	Doodle Bots Investigating an existing motorised product, and problem solving to understand its construction.		Gears and Pulleys Exploring the history, and mechanics of gears and pulleys.		Stuffed Toys Designing and creating a stuffed toy, making decisions about material, design and stitching.