KS2 Cycle 1 Design and Technology Medium Term Plan

	Autumn	Spring	Summer
Curriculum Objective	**Cooking and Nutrition:** Healthy and Varied Diet Design, make and evaluate – snack bar	**Textiles:** 2D shapes to 3D project Design, make and evaluate - purse	**Electrical Systems:** Simple Circuits and Switches Design, make and evaluate – night light
Vocabulary to support Substantive and Disciplinary Knowledge	texture, taste, appearance, smell, preference, cook, fresh, hygienic, edible, grown, reared, caught, frozen, tinned, processed, seasonal, harvested, healthy/varied diet planning, design criteria, purpose, preference, selecting, user, annotated sketch, evaluations	fabric, fastening, zip, button, compartment, stitch, label, drawing, function, templates, pattern pieces user, purpose, design, model, evaluate, prototype, annotated sketch, functional, innovative	series circuit, fault, connection, toggle switch, push-to-make, switch, push-to-break, switch, battery, battery holder, bulb, bulb holder, wire, insulator, conductor, crocodile clip control, program, system, input device, output device user, purpose, function, prototype, design criteria, innovative, appealing, design brief
Lesson Objectives	• To understand the importance of food hygiene. • To understand the importance of a healthy and varied diet. (general)	• To be able to use a needle and thread (prior learning – thread needle, stitch) • To learn how to do an overstitch to join (did a running stitch in KS1)	• To explore a range of lights. (ie lamps and torches – user, purpose and function) • To learn how to make an electrical circuit

	• To be able to weigh a range of foods using scales. • To be able to design a snack bar. (considering healthy, taste, appearance etc) • To be able to make and evaluate a snack bar using my plan.	• To design a money holder (consider decoration) • To make a money holder • To evaluate my product	• To design my product including an electrical circuit • To make a product including an electrical circuit • To evaluate my product

KS2 Cycle 2 Design and Technology Medium Term Plan

	Autumn	Spring	Summer
Curriculum Objective	**Cooking and Nutrition:** Healthy and Varied Diet Design, make and evaluate – pizza	**Structures:** Shell Structures Design, make and evaluate - packaging	**Mechanical Systems:** Levers and Linkages Design, make and evaluate – pop up card
Vocabulary to support Substantive and Disciplinary Knowledge	knife, grater, cutting, spreading, grating, texture, taste, appearance, smell, cook, fresh, savoury, hygienic, edible, grown, reared, caught, processed, seasonal, harvested, healthy/varied diet planning, design criteria, purpose, preference, selecting, user, annotated sketch, evaluations	shell structure, three-dimensional (3-D) shape, marking out, scoring, shaping, tabs, adhesives, joining, assemble, accuracy, material, stiff, strong, prototype planning, design criteria, purpose, evaluating, computer aided design	mechanism, lever, linkage, pivot, slot, pop up user, purpose, function, prototype, design criteria, innovative, appealing, design brief
Lesson Objective	• To understand the importance of food hygiene. • To research where food comes from and how it is stored. (grown, reared, caught, processed)	• To evaluate a range of shell structures. (real life examples) • To learn how to make a shell structure. • To design a shell structure. (making a prototype and	• To evaluate a range of levers and linkages. (used for popup cards or similar) • To learn how to make a lever and a linkage that

	• To learn different cookery techniques (spreading, grating and recap bridge hold and claw grip). • To be able to design a pizza. (considering a healthy/balanced diet and ensuring they use a range of skills learnt) • To learn how to use cookery skills to make a pizza.	selecting the techniques taught) • To make a shell structure from my design. • To evaluate my product.	could be used for a popup card. • To be able to design a popup card. (using computer aided design) • To be able to make a popup card using my design. • To be able to evaluate my product.