



DT Year Group Curriculum Overview

Autumn

Spring

Summer

Hazel Class

(EYFS)

Textiles : Let's look at hats

How fabrics can be joined and used.

Textiles : Three Bears picnic blanket

How fabrics can be joined and used.

Join Blade Fix

Stick Handle

Cut Snip

Bend Cut

Join Measure

Slot Separate

Food : Fantastic Fruit

Healthy eating and hygiene in preparing food.

Food : Super Smoothies

Healthy eating and hygiene in preparing food.

Names of fruit and vegetables

Seeds Juicy Flesh Boil Cut

Root Sweet Skin Blend watery

Leaves Sour Core Mix

Stem Bitter Chop Ingredients

Plant Chewy Slice Packaging

Structures : Chairs for the Three Bears

Choosing suitable materials and joins needed.

Mechanisms : Hinges and catches

How to make simple hinges and ways to fasten.

Join Blade Fix

Stick Handle

Cut Snip

Bend Cut

Join Measure

Slot Separate

Willow Class

(Year 1)

Mechanisms : Moving pictures greetings cards

Sliders and levers

Science unit link: Identifying materials (Aut2)

Evaluate

Input

Lever

Slot

Guide

Linkage

Mechanism

Motion

Output

Pivot

Linear motion

Structures : Whose home?

Free-standing structures

Science unit link: Comparing materials (Sp1)

Function

Man-made

Mould

Natural

Stable

Stiff

Strong

Structure

Test

Weak

Food : Dips and dippers

Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)

Science unit link: Types of animals-diet (Sp2), Plants (Sum2)

Blender

Carton

Fruit

Healthy

Ingredients

Peel

Peeler

Recipe

Slice

Vegetable

Maple Class

(Year 2)

Textiles : Puppet

Templates and joining techniques

Structures : Playgrounds for everyone (Designing Everyone In...)

Wheels and axles.

Food : Super salads

Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)

	Science unit link: Changing shape (Aut1), Uses of materials (Aut2) Decorate Fabric Glue Model Hand puppet Running stitch Needle / Eye of the needle Safety pin Stencil Template	Science unit link: Uses of materials (Aut2) Function Man-made Mould Natural Stable Survey Stiff Strong Structure Test Weak Rotary motion	Science unit link: Feeding and exercise (Sum1) Alternative Diet Balanced diet Evaluation Expensive Healthy Ingredients Nutrients Packaging Refrigerator Sugar
Oak Class (Year 3)	<u>Food : Soup</u> Celebrating culture and seasonality (including cooking and nutrition requirements for KS2) Science unit link: Movement and feeding (Aut1) Cross-contamination Diet Ethical issue Farm Healthy Ingredients Method Nutrients Recipe Research Supermarket Vegan Vegetarian Welfare	<u>Mechanical Systems : Mighty mascot</u> Pneumatic systems Science unit link: Magnets and forces (Aut2) Incorporate Input Output Mechanism Mechanical Slider Lever Pivot point Fixed pivot Scene Reciprocating motion Smooth movement	<u>Textiles : Design and make an apron</u> 2D shape to 3D product Science unit link: Uses of materials (Y2 Aut2) Accurate Annotate Appendage Thread Design criteria Detail Evaluation Fabric Sew Seam allowance Fasten Tie-off Practical Washable
Rowan Class (Year 4)	<u>Food : Sandwich snacks</u> Healthy varied diet (including cooking and nutrition requirements for KS2). Science unit link: Human nutrition (Aut1) Food Standards Agency	<u>Structures : No more squashed sandwiches</u> Packaging and shell structures Science unit link: Materials (Y2 Aut) • Maths- Shape nets Food Standards Agency	<u>Electrical systems : Night lights</u> Simple circuits and switches (including programming and control) Science unit link: Electricity (Sum1) Hand-made switch

	Dietary requirements Ethical issue Sensory evaluation Preference test Processed food Healthy and varied diet Innovation Functionality Reared Harvested Freshness Cost implications	Food Information Regulations 2014 Legal requirements Plastic packaging tax Font Graphics Prism Shell structure Score Rigid Ribbing Interlocking Aperture	Copper tape Wire strippers Sticky pads Complete circuit Securely fastened Reliability Switch Toggle switch Conductor Corrugated plastic
Beech Class (Year 5)	<u>Food</u> : Christmas ginger biscuits Celebrating culture and seasonality (including cooking and nutrition requirements for KS2) Science unit link: Changes of state (Y4 Sum2) Cross-contamination Equipment Farm Flavour Ingredients Method Nationality Preparation Processed Reared Recipe Target audience Unit of measurement	<u>Mechanical systems</u> : Moving messages Belts, pulleys or gears. Science unit link: Forces (Aut1) Assembly-diagram Automata Axle Bench hook Clamp Cam Component Cutting list Dowel Hand drill and Drill bits Exploded diagram Follower Frame Function Jelutong Linkage Mark out Set square Tenon saw	<u>Textiles</u> : Brilliant bags Combining different fabric shapes. Science unit link: Materials (Sum2) Adapt Annotate Detail Fabric Secure fastenings Appendage Properties Durable Sew Shape Target audience Target customer Template Unique

Sycamore (Year 6)	Electrical systems : Fairgrounds More complex switches and circuits (including programming, monitoring and control) Science unit link: Changing circuits (Aut1) Circuit component Configuration Current Develop DIY Investigate Motor Motorised Problem solve Product analysis Series circuit Oscillating motion Stable Target user	Food : Making bread with six essentials Healthy varied diet (including cooking and nutrition requirements for KS2). Science unit link: Our Bodies (Sp1) Accompaniment Authenticity Artisan loaves Incorporate Hydrate the flour Dough Gluten Pliable Fermentation Yeast / Active culture Kneading Proofing Names of various types of bread	Structures : Bird hide challenge <i>(Designing Everyone In...)</i> Frame structures Science unit link: Materials (Y5 Sum2), Review unit (Sum2) Inclusivity Scale model Reinforcing Triangulation Brackets Rigid Compression Strut Member Strut Tension Water-resistant Construction
	This is planned using Design & Technology Association scheme of work.		

Due to pre-school children spending two years in Hazel Class, the six units will be taught on a rolling programme.