

2021/2022 Design / Technology Scheme of Work

Year Group	Autumn Term	Spring Term	Summer Term
Foundation Stage – N/R	A skills sheet is provided for coverage of skills. This is annotated by Nursery and Reception Teachers over the course of the year. The Nursery and Reception classes will be covering cycle 1 of the EYFS Outcomes for Expressive Arts and Design : D&T.		
One	<p><u>Textiles:</u> Christmas tree decoration <u>Main Skill:</u> Introduction to sewing using running stitch on binca. <u>Skills:</u> planning, designing, making, evaluating sticking and finishing techniques <u>Cross-curricular links:</u> Maths - Measuring</p>	<p><u>Construction:</u> Houses <u>Main Skill:</u> joining <u>Skills:</u> cutting and forming 3D models. <u>Cross-curricular links:</u> Geography – comparing different places and types of houses. Science- Comparing different materials that houses are made from.</p>	<p><u>Mechanisms:</u> Moving Seaside Pictures <u>Main Skills:</u> Creating sliders <u>Skills:</u> Cutting, joining, forming 3D models <u>Cross-Curricular links:</u> Geography – Comparing different places, seaside town to Hoddesdon</p>
Two	<p><u>Mechanisms:</u> Vehicles <u>Main Skills:</u> Assembling wheels and axles to allow movement. <u>Skills:</u> evaluating and comparing products, finishing techniques, handling tools safely. <u>Cross-Curricular links:</u> History – Inventor of the car ‘Karl Benz’</p>	<p><u>Healthy Eating :</u> Fruit Salad <u>Main Skills :</u> Chopping, grating, slicing, washing, squeezing. peeling, <u>Skills :</u> evaluating, to understand basic food hygiene and handling <u>Cross-Curricular links:</u> Science- growth of plants and healthy eating – (links to growing area in KS1 playground) (Horticulture in the local area – carrot)</p>	<p><u>Textiles:</u> Puppets <u>Main Skills:</u> Sewing to join materials using running stitch on felt. <u>Skills:</u> researching, planning, designing, making, evaluating, cutting, sticking and finishing techniques <u>Cross-Curricular links:</u> Literacy- Writing instructions to make a finger puppet.</p>

<p>Three</p>	<p><u>Healthy Eating:</u> Healthy pizza <u>Main Skill:</u> Kneading, Mixing, measuring. Planning the healthy eating toppings for the pizza. <u>Skills:</u> chopping, slicing, grating. Where does food come from and hygiene) <u>Cross-Curricular links:</u> Science – healthy eating Maths – Measuring ingredients (Horticulture in Europe)</p>	<p><u>Mechanisms:</u> Story pop-up book -- levers <u>Main Skills:</u> Planning and creating a variety of pop up mechanisms for each page of their book <u>Skills:</u> Planning, Cutting, joining, finishing techniques, evaluating <u>Cross-Curricular links:</u> History – Ancient Greece Myths and Legends, going on a quest.</p>	<p><u>Construction:</u> – Photograph frames <u>Main Skill:</u> Sawing and measuring independently. <u>Skills:</u> Planning, designing, joining <u>Cross-Curricular links:</u> Science - light and shadows – day light photography</p>
<p>Four</p>	<p><u>Electrical/Electronics:</u> Winter themed light <u>Main Skill:</u> To make a working circuit. <u>Skills:</u> To plan and design a working winter themed light. <u>Cross-Curricular links:</u> Science - electricity</p>	<p><u>Construction:</u> Catapults <u>Main Skills:</u> To work in a design team to create a working mangonel catapult. To understand the forces involved to create a working catapult. <u>Skills:</u> measuring, cutting and sawing, joining wood and strengthening. <u>Cross-Curricular links:</u> History – Romans Science - Forces</p>	<p><u>Textiles:</u> Money pouch <u>Main Skill:</u> To join to pieces of material using running and back stitch. To sew a seam. <u>Skills:</u> Planning, designing, evaluating, cutting. <u>Cross-Curricular links:</u> Geography – contrasting places: Tanzania.</p>
<p>Five</p>	<p><u>Textiles:</u> Braiding lucet braids. <u>Main Skill:</u> Use of ancient techniques and equipment. <u>Skills:</u> Researching, planning,</p>	<p><u>Mechanisms:</u> Moving Toys <u>Main Skill:</u> Making a cam mechanism. <u>Skills:</u> Planning, designing, evaluating, cutting</p>	<p><u>Healthy Eating:</u> Making tortillas <u>Main Skill:</u> To make authentic tortillas. <u>Skills:</u> measuring, kneading,</p>

	<p>designing, evaluating, cutting, knotting.</p> <p><u>Cross-Curricular links:</u> History – Vikings, Anglo Saxon</p>	<p>joining and strengthening, using gears and cams.</p> <p><u>Cross-Curricular links:</u> Science – forces, pushing and pulling. History – Toys through history</p>	<p>cooking, hygiene, tool safety</p> <p><u>Cross-Curricular links:</u> Geography - Mexico History - Mayans ancient civilisation. (Horticulture in the wider world)</p>
Six	<p><u>Construction:</u> Structures Main Skill: To work in a design team to create a landmark/building replica out of paper Skills: Stability, strengthening, measuring and joining. <u>Cross-Curricular links:</u> Art: (Spring Term) Architect Study – Antoni Gaudi</p>	<p><u>Textiles:</u> Slippers/sandals Main Skill: To research and develop designs of a functional slipper. To make a pattern for their slipper design Skills: analysing, investigating, researching joining fabrics, cutting, sewing, knotting, evaluating, finishing techniques. <u>Cross-Curricular links:</u> Maths - Measuring</p>	