

Year 4 Medium Term Plan EYFS and KS1 – Design and Technology

Autumn Term 1 –

Autumn Term 2 –

KS1

Memory boxes

Making

EYFS

Use a variety of tools and materials to make models.

KS1

- Know what materials can be used for my structure
- Know what a join is and can use one
- Measure and mark out materials with care and increasing accuracy
- Cut materials safely (scissors, junior hacksaw)
- Be careful to make work look as neat as possible

Find out how to make materials for structure stronger (folding, rolling and joining, columns and triangles)

Design

EYFS

Talk about what they want to make

KS1

- Think of ideas and with help can put them into practice
- Know what a design is and its purpose
- Use pictures and words to describe what they want to do (materials and tools)

Knowledge and designers

EYFS

Talk together about designs and designers

Role play as designers

KS1

- Know what a designer does
- Know the names and the products of some British designers (ensuring diverse representation)

Say what they like and dislike about the product and the designer

Spring Term 1 –

Spring Term 2 –

Levered Easter card

Mechanics and Electrics

EYFS

Build and construct models setting their own challenges eg tallest strongest longest

Explore mechanical toys

KS1

- Explore how moving objects work.
- Look at wheels, axels, turning mechanisms, hinges and simple levers.

Make a product that moves using a turning mechanism (e.g. wheels, winding) or a lever or a hinge (to make a movement)

Evaluating

EYFS

Be excited about what they have made

- Describe how their product works

Know the features of familiar products

KS1

- Talk about their own work (features, design, opinion)
- Give reasons for some features (colour choice, material used, joining technique)
- Talk about own and others' work (features, design, opinion)

Explain why they chose certain materials, techniques and tools

Summer Term 1 –	Summer Term 2 –
<p>KS1 Cross stitch / French Knitting (links to history topic)</p> <p>Textiles</p> <p style="text-align: center;">EYFS</p> <p>Explore different fabrics Use and explore fabrics and how they can be joined together</p> <p style="text-align: center;">KS1</p> <ul style="list-style-type: none"> • Know that textiles have different properties: touch, insulation, texture and waterproof. I select the appropriate textile so that it does the job I want it to. • Describe textiles by the way they feel. • Alter a textile to make it stronger. • Make a product from textiles. • Measure, mark out and cut fabric. • Join fabrics using glue and running stitch. <p>Make sure my work is neat and tidy.</p> <p>Design</p> <p style="text-align: center;">EYFS</p> <p>Talk about what they want to make</p> <p style="text-align: center;">KS1</p> <ul style="list-style-type: none"> • Think of ideas and with help can put them in to practice • Know what a design is and its purpose <p>Use pictures and words to describe what to do (materials, techniques, features-mechanics etc. and tools)</p>	<p>KS1 Local project: fruit growing, healthy lifestyle, fruit faces</p> <p>Cooking</p> <p style="text-align: center;">EYFS</p> <p>Use the basic principles of a healthy and varied diet to prepare simple dishes. Begin to question and wonder about where food comes from.</p> <p style="text-align: center;">KS1</p> <ul style="list-style-type: none"> • With help, use knives safely • Use a mixing bowl • Be aware of hygiene for cooking • Know some things are made and some things are natural • Know some things are dangerous to eat raw • Know heat changes food • Use a variety of utensils safely • Know what the food groups are • Know where some foods come from • Be aware there are different ways to cook <p>Prepare a healthy snack</p> <p>Evaluating</p> <p style="text-align: center;">EYFS</p> <p>Be excited about what they have made.</p> <p style="text-align: center;">KS1</p> <ul style="list-style-type: none"> • Say what a product is for • Know what a product is • Describe a product • Talk about their own work (features, design, opinion)