



Design and Technology

Disciplinarians Concepts: Research and Investigate, Design, Make and Use and Evaluate

Cook Sew Build



EYFS	Y1	Y2	Y3	Y4	Y5	Y6
Autumn						
<p>The children in EYFS will have opportunities to explore the making of products using a wide variety of materials. They will cut, stick, draw and paint. The chance to practise their cutting skills is permanently on offer. The children will be encouraged to develop their use of a range of small tools, including scissors, paintbrushes and cutlery. The children will also be provided with opportunities to prepare food, including</p>	<p>Cook Dips Lesson 1 - Introduction to the Recipe To know that fruit and vegetables give us important nutrients</p> <p>Lesson 2 & 3 - Make To make a range of dips (see separate instructions) using the knife skills – the bridge and the claw</p> <p>Lesson 4 Taste and Evaluate To taste and evaluate – look and evaluate and taste and evaluate</p>	<p>Cook Gingerbread Men Lesson 1 - Introduction to the Recipe To know that food can be flavoured with spices</p> <p>Lesson 2 & 3 - Make To make gingerbread men see separate instructions)</p> <p>Lesson 4 - Taste and Evaluate To taste and evaluate – look and evaluate and taste and evaluate</p>	<p>Sew -Key Rings Lesson 1 – Research and Investigate To understand that fabric is made from different materials and in different ways</p> <p>Lesson 2 – Design To understand how to create a design –user, purpose and the aesthetic appeal.</p> <p>Lesson 3 – Practise To practise the running and back stitch</p> <p>Lesson 4 - Make To make a key ring – using running stitch and back stitch</p> <p>Lesson 5 – Evaluate To evaluate your key ring – methods used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal.</p>	<p>Sew - Cushions Lesson 1 Research and Investigate To research and investigate how to make a cushion. To understand that appliqué is a sewing technique used for decoration</p> <p>Lesson 2– Design To understand how to create an appliqué design. To look at the user, purpose and the aesthetic appeal.</p> <p>Lesson 3 - Practise To practise the running back stitch and overcast stitch (whipstitch)</p> <p>Lesson 4- Make To make a cushion – using running stich and back stitch</p> <p>Lesson 5 Evaluate To evaluate your cushion – methods used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal.</p>	<p>Build – Cam Toys Lesson 1 – Research and Investigate To understand how a cams mechanism works</p> <p>Lesson 2 – Design To understand how to create a design and create a design considering user, purpose, function and aesthetic appeal</p> <p>Lesson 3 - Make To make a cam toy - select tools/materials for making a cam toy, cutting, different ways of joining, decorating, finishing</p> <p>Lesson 4 – Evaluate To evaluate your cam toy – methods used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal</p>	<p>Build – Water Well Lesson 1 – Research and Investigate To investigate examples of water walls and to investigate pulleys</p> <p>Lesson 2 – Design To design a water well considering user, purpose, function and aesthetic appeal</p> <p>Lesson 3 - Make To make a water well - Select tools/materials for making a water wall for Reception with recycled objects, cutting, tying knots, sticking, making holes</p> <p>Lesson 4 – Evaluate To evaluate your water well – methods used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal.</p>

Spring						
<p>the cooking of food.</p> <p>Development Matters / ELG Develop their small motor skills so that they can use a range of tools competently, safely and confidently.</p> <p>Use a range of small tools, including scissors</p> <p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. • Share their creations, explaining the process they have used</p> <p>Cook – bake cakes, fruit kebabs</p>	<p>Sew- Animal Sock Puppets</p> <p>Lesson 1 - Research and Investigate To know that objects are made from different materials</p> <p>Lesson 2 - Design To understand how to create a design - user, function and appearance</p> <p>Lesson 3 – Make To make an animal sock puppet– using joining and templates</p> <p>Lesson 4 Evaluate To evaluate your animal sock puppet –what went well, describe how they made it. Evaluate the user, function and appearance</p>	<p>Sew – Pencil Case</p> <p>Lesson 1- Research and Investigate To investigate the design and purpose of a pencil case, To understand that sewing is a way to make objects from fabric</p> <p>Lesson 2 – Design To understand how to create a design - user, function and appearance</p> <p>Lesson 3 – Practise To practise the running stitch</p> <p>Lesson 4 – Make To make a pencil case– making a template, pinning and using running stich</p> <p>Lesson 5 – Evaluate To evaluate your key ring – methods used, what went well, what would you do differently. Evaluate the user, function and appearance</p>	<p>Build – Pop up Books</p> <p>Lesson 1 – Research and Investigate To research and investigate linkages To know that levers can be joined together to form linkages and linkages are used to change direction of motion Linkages have fixed and moving pivots</p> <p>Lesson 2 – Design To understand how to create a design and create a design considering user, purpose, function and aesthetic appeal</p> <p>Lesson 3 - Make To make a pop-up book - select tools/materials for making pop-up book with linkages, cutting, different ways of joining, decorating, finishing</p> <p>Lesson 4 - Evaluate To evaluate your pop-up book – methods used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal –</p>	<p>Build – Electric Posters</p> <p>Lesson 1 – Research and Investigate To understand the purpose of product design. To research a topic</p> <p>Lesson 2 – Design To understand how to create a design and create a design considering user, purpose, function and aesthetic appeal</p> <p>Lesson 3 – Make – To assemble my final product and incorporate a simple circuit.</p> <p>Lesson 4 – Evaluate To look and evaluate. Describing the steps, the look, what went well, would you do anything differently.</p>	<p>Cook – Pitta Bread</p> <p>Lesson 1 - Introduction to the Recipe To know the ingredients and equipment need To understand that wheat can be used to make many different types of bread</p> <p>Lesson 2 – Make To make pitta bread</p> <p>Lesson 3- Taste and Evaluate To look and evaluate. Describing the steps, the look, what went well, would you do anything differently. To taste and evaluate – the taste, anything different</p>	<p>Cook - Mezze</p> <p>Lesson 1 - Introduction to the Recipe 'Mezze' is a name for a selection of small, savoury dishes which people can share To know the ingredients for mezze.</p> <p>Lesson 2 – Make To make mezze</p> <p>Lesson 3- Taste and Evaluate To look and evaluate. Describing the steps, the look, what went well, would you do anything differently. To taste and evaluate – the taste, anything different</p>

Summer

Build - Vehicles

Lesson 1 – Research and Investigate

To research and investigate different types of vehicles; different parts of a vehicle; explore wheels and axles in toy cars.

Lesson 2 – Design

To understand how to create a design and create a design considering user, purpose, function and aesthetic appeal

Lesson 3 - Make

To make a vehicle - select tools/materials for making a toy vehicle with wheels and axles; cutting; different ways of joining decorating; finishing

Lesson 4 – Evaluate

To evaluate your vehicle – what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal

Build – Moving Pictures

Lesson 1 – Research and Investigate

To research and investigate levers and sliders; examples of what products which used these: see saw, scissors, hammer, wheelbarrow, shaduf; research examples of moving pictures

Lesson 2 – Design

To understand how to create a design and create a design considering user, purpose, function and aesthetic appeal

Lesson 3 – Make

To make a moving picture - selecting tools/materials for making a moving picture with levers and sliders; cutting; different ways of joining decorating; finishing

Lesson 4 – Evaluate

To evaluate your moving picture – technique used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal

Cook – Bread and Butter

Lesson 1 - Introduction to the Recipe

To understand that wheat makes flour which can be made into bread and cows make milk which can be made into butter. To know the ingredients and equipment need

Lesson 2 – Make

To follow the instructions to make bread and butter pudding.

Lesson 3- Taste and Evaluate

To look and evaluate. Describing the steps, the look, what went well, would you do anything differently. To taste and evaluate – the taste, anything different

Cook - Ratatouille and Couscous

Lesson 1 - Introduction to the Recipe

To know the ingredients and equipment need To understand that vegetables, which come from plants, are an important part of a healthy diet

Lesson 2 – Make

To follow the instructions to make ratatouille and couscous

Lesson 3- Taste and Evaluate

To look and evaluate. Describing the steps, the look, what went well, would you do anything differently. To taste and evaluate – the taste, anything different

Sew - Bags

Lesson 1 - Research and Investigate

To understand that appliqué and embroidery are different sewing techniques which can be used to decorate fabric

Lesson 2 – Design

To understand that appliqué and embroidery are different sewing techniques which can be used to decorate fabric

Lesson 3 – Practise

To practise the backstitch and overcast stitch (or whipstitch) joining, embroidery, appliqué, plaiting

Lesson 4 - Make

To make bag using backstitch, appliqué/embroidery

Lesson 5 - Evaluate

To evaluate your bag – technique used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal

Sew - Upcycling Fashion

Lesson 1 - Research and Investigate

To understand what is meant by 'fast fashion'

Lesson 2 – Design

To understand different sewing processes for making clothes: seams, hems and decoration - user, purpose and the aesthetic appeal.

Lesson 3 - Practise

To practise running stitch, backstitch, applique, plaiting, sewing on a button

Lesson 4 - Make

To make up up-cycling fashion – using the above methods.

Lesson 5 Evaluate

To evaluate your fashion – technique used, what went well, what would you do differently. Evaluate the user, purpose and the aesthetic appeal