



Y1 Design and Technology

Design and Evaluate (DE)	Making (M)	Cookery and Nutrition (CN)
DE 1- I can use my knowledge of existing products and my own experiences to help generate my ideas.	I can cut materials safely using tools provided.	CN 1- I understand that all food comes from plants or animals.
DE 2- I can explore objects and designs to identify likes and dislikes of the designs and products.	M 2- Materials: I can demonstrate a range of cutting and shaping techniques (such as tearing, cutting, folding and curling).	CN 2- I understand that food has to be farmed, grown elsewhere (e.g. home) or caught.
DE 3- I can design products that have a clear purpose and an intended user.	M 3- Textiles: I can shape textiles using templates.	CN 3- I can understand that everyone should eat at least five portions of fruit and vegetables every day and start to explain why.
DE 4- I can design using drawings or sketches with simple labels.	M 4- Textiles: I can colour and decorate textiles. (add embellishments to fabric)	CN 4- I can cut ingredients safely and hygienically.
DE 5- I can use ICT packages to create a simple plan for a design. (Colour Magic)	M 5- Electricals and Electronics: <i>I can recognise if a battery operated device works or not.</i>	CN 5- I can measure and weigh food items using non-standard measures (e.g. spoons and cups).
DE 6- I can say what materials and tools I will use from a limited selection.	M 6- Construction: I can use materials to practise gluing to make and strengthen products.	
DE 7- I can discuss what went well with my product and what I would change next time.	M 7- Mechanics: I can create products using winding mechanisms and sliders.	
DE 8- can use my knowledge of existing products and my own experiences to help generate my ideas.		



Autumn 1 Swings Slides and Roundabouts	Autumn 2 Toy Story	Spring 1 Jurassic Park	Spring 2 Castles	Summer 1 Treasure Island	Summer 2 Under the Sea
DE1 CN4 DE2 DE3 DE4	DE4 M1 M2 M3 M4	DE DE2 DE3 DE6 DE7 DE8 M1 M2	DE4 CN4 M6 CN5 M7	DE4 M1 M2	DE1 CN4 DE2 CN5 DE3 DE5

Throughout the year CN 1, CN2, CN3 will be covered, making links with Science and PHSRE when appropriate.

Vocabulary

Designing, Evaluating, Making

Explore, object, product, construct, deconstruct, design, existing designs, audience (intended user), like, dislike, draw, sketch, label, computer software, select, tools, glue, materials, card, paper, fabric, ribbon, sequins, decorate, suggest, evaluate, clear purpose, discuss, share, improve recognise, *notice, battery operated, run, working, not working, device.*

Cooking and Nutrition

Cut, ingredients, names of ingredients, prepare, safely, hygiene, clean, knife, chopping board, chop, cut

I will know....	I will know....	I will know....
<ul style="list-style-type: none"> ○ That products can have a design (planning stage) before they are made ○ That there are a range of materials that can be used to create an object/product. ○ That I can look at and discuss my current designs saying what I may change ○ That objects/products are designed with a clear purpose in mind ○ How to design using drawing/sketching to show my ideas. 	<ul style="list-style-type: none"> ○ How to explore and discuss designs and objects ○ That I can have likes and dislikes when it comes to designs and objects/products ○ That there are a range of tools that can be used to create an object/product ○ How to say/give my suggestions for improvements to my current designs ○ That objects/products are designed with an intended audience/user in mind. 	<ul style="list-style-type: none"> ○ How to describe what I like about a certain design or object/product ○ How to say which materials I select from a limited selection. <ul style="list-style-type: none"> ○ How to create a design with an audience/intended user in mind. ○ How to create a design with a clear purpose in mind ○ How to cut the ingredients using a knife. ○ How to prepare the ingredients safely



- That fabric can be cut into different shapes.
- That I can use a template to help me cut the fabric to the shape that I want.
- How to cut shapes out of fabric.
- How to use a template to support me when cutting fabric so that I achieve the shape that I want.
- That fabric can be coloured using other media (pens, crayons etc).
- That fabric can be decorated by adding other media to it (gluing).
- How to colour fabric using simple media such as pens.
- How to decorate fabric by gluing decorative items to it e.g. sequins.

- That designs can be made up of different information e.g. pictures, research, wording, labels etc
- That the word ingredients mean a collection of foods that we are using to create a dish/meal
- That to prepare the ingredients I need to cut them.
- That I use a knife to cut ingredients.
- That safety when preparing or cooking meals is important.
- That hygiene when preparing or cooking meals is important.
- The names of some of the materials that I can use to build with
- The names of some of the simpler tools that I can use to build with
- That there are different techniques that I can use to build with in design and technology (Such as gluing)
- That gluing can be used to make (join) or strengthen objects/products
- How to glue simple materials together
- That a winding mechanism uses an axle and a handle.
- How to use a winding mechanism in one of my products.
- That a sliding mechanism moves from side to side
- How to use a sliding mechanism

- How to prepare the ingredients in a hygienic way.
- That there are a range of materials that I can use to create a product.
- That materials can be cut using scissors. •
How to hold scissors properly.
- How to cut into a range of materials using scissors.
- That there are different cutting and shaping techniques that I can use.
- That the cutting and shaping techniques include tearing, folding, and curling.
 - How to tear different materials.
 - How to fold different materials.
 - How to curl different materials.