







Year 3 Design and Technology

Food & Hygiene

Key Learning Summer

Key Learning Summer		
<div style="text-align: center; border: 1px solid black; padding: 2px; margin-bottom: 10px;">Design</div> <div style="margin-bottom: 10px;"> <p style="text-align: center;">I am designing afternoon tea for _____</p> </div> <div style="margin-bottom: 10px;"> <p style="text-align: center;">My bread choices will be _____</p> </div> <div style="margin-bottom: 10px;"> <p style="text-align: center;">My savoury choices will be _____</p> </div> <div style="margin-bottom: 10px;"> <p style="text-align: center;">My cake choices will be _____</p> </div> <div style="margin-bottom: 10px;"> <p style="text-align: center;">My drink choices will be _____</p> </div> 	<div style="text-align: center; border: 1px solid black; padding: 2px; margin-bottom: 10px;">Make</div> <p>Mix your cake mix adding the required ingredients.</p> <p>Pour into suitable cake molds.</p> <p>Place in the oven and cook for the desired time at the desired temperature.</p> <p>Whilst the cakes are in the oven Chop slice out your sandwich fillers.</p> <p>Apply the spread of choice to your bread of choice, NB not all spreads are suitable for vegetarians.</p> <p>Whilst proving (bread) wash and chop you vegetables When handling / preparing foods it is essential (important) that hygiene rulers are followed. All surfaces must be cleaned, hands and nails must be washed thoroughly. Hair must be tied back securely or a hairnet worn. Food left unattended for a period of time must be covered or refridgerated.</p> <p>There are different ways to use a knife to prepare food.</p> 	<div style="text-align: center; border: 1px solid black; padding: 2px; margin-bottom: 10px;">Technical Knowledge</div> <p>I know that all foods come from plants or animals. Meat comes from animals.</p>  <p>Fruit and vegetables come from plants.</p>  <p>A healthy diet should be a mixture of all the food groups.</p> <p>I know how to use a knife safely.</p> <p>I know how long humans have been making and eating bread.</p> <p>I know how to present afternoon tea.</p> 
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Evaluation</div>		
<ul style="list-style-type: none"> Is my package colourful? Is my package suitable for the product it was designed for? Do I know the main food groups? Can I place foods into the correct group? 		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Skills</div> <ul style="list-style-type: none"> Hand to eye dexterity Safe use of a knife Using scales for weighing and measuring correct amounts <p>Importance of cleanliness</p> <p>Mixing ingredients</p> <p>Correct cooking temperatures</p> <p>Using moulds to create shapes</p>		
		

Key Vocabulary	
Design	A plan, drawing or sketch of an idea of what something will look like prior to being made.
Product	Something that is produced / made.
Material	What the product is going to be made from.
Strengthen	Increase the stability or make something stronger, less likely to break
Protein	The food group that builds, maintains and replaces the tissues (muscles organs and immune system) of your body.
Carbohydrate	Bread, cereals, pasta, rice, and sweet foods are mostly carbohydrates. You need them to give you energy.
Vitamins and minerals	Vitamins and minerals can be found in fruits and vegetables. Vitamins and minerals help to keep us healthy and different types of vitamins and minerals do different jobs. For most humans, you will get enough vitamins and minerals by eating your five portions of fruit and vegetables each day.
Yeast	A living organism (fungus) used as a rising agent to help bread rise.
Unleavened	A type of bread that does not rise, does not require yeast.
Stock	Water that contains the flavour of the food that has been cooked in it, i.e. vegetable stock contains flavour of the vegetables
Diet types	Vegetarian, carnivore and omnivore. Know what each means.

Year 3 Design and Technology Structures

Key Learning Autumn

Design

My product will be _____ and I will use _____ to make it.

Drawings / sketches can be used to plan and improve design ideas.



Different materials can be used to create the same product.

Testing can be used to find the most suitable material.

Templates can be used to create same size copies of a part

Make

There are many different ways to join, fix or assemble parts together; (glue, nail, screw, bolt, bind etc.)

Wood can be glued, nailed or screwed or bolted together.

Cardboard can be folded to strengthen.

It can also be joined using tape to create a concertina effect.

Corrugation also produces a stronger product. Triangular sections can be added to corners to strengthen a structure.



Technical Knowledge

Templates can be used if you need to produce multiple identical copies of a product.

Waterproofing a product will prevent ingress of water.

Waterproofing can be an applied substance or the material itself.

Measuring, marking and cutting accurately are a crucial part of any design



Skills

Hand to eye dexterity:

Drawing / planning/ evaluating/ improving

Accuracy needed when using scissors and glue to cut and join parts

How to strengthen structures using simple folds

How to waterproof materials

Assembly of parts

Evaluation

- Not all designs work first time.
- It may take more than one design change / improvement for the product to suit the purpose.
- Some designs are better than others.
- Some designs will not suit the product at all.



Key Vocabulary

Design	A plan, drawing or sketch of an idea of what something will look like prior to being made.
Product	Something that is produced / made.
Material	What the product is going to be made from.
Components	The parts that the product is made up of.
Assemble	The act of putting the parts together to make the product
Corrugation	A folding, continuous curves or zig zagging along the length of a product to strengthen it.
Waterproofing	Coating a material to stop water entering or passing through. Some materials are already waterproof without additional coating being added.
Template	A pattern / guide to be able to copy and reproduce the same product many times.
Evaluate	Look at the finished product and ask does it do what it was made to do.
Improve	Can the product be improved (this can take place at any stage, from design through to final product,
Strengthen	Improve the product or part of the product to make it stronger / sturdier /less likely to break.

Year 3 Design and Technology

Textiles

Key Learning Spring

Design

I am designing a _____ for a _____

My product will be used by _____.

My product will be made using _____.

Skills

Hand to eye dexterity
 Use a ruler accurately to measure and draw lines to create a design template
 Use scissors to cut straight lines and intricate shapes
 Design / draw/ plan / evaluate / improve
 How to mark and fold to strengthen and stiffen materials
 How to join materials in different ways
 How to research information to aid design
 How to use paint to finish a product effectively

Make

Scissors can be used to cut materials to shape.

Templates can be used to cut out materials to shape and size.

Fabrics and other materials can be joined together using glue, staples or a needle and thread.



Cardboard can be used and sprayed / painted to look like other materials.



Technical Knowledge

A template can be used to produce multiple copies of the same item.

Know how to measure mark and cut to size.

Know how to stiffen structures for stability

Know the roman word for each item.

Evaluation

- Does the uniform look like the initial design
- Does the uniform fit its intended target?
- Are all items made sturdy?
- Is the finished shield design suited to the period of time?



Key Vocabulary

Design	A plan, drawing or sketch of an idea of what something will look like prior to being made.
Product	Something that is produced/made.
Material	What the product is going to be made from.
Tunic	Part of a Roman centurion's uniform.
Scutum	Roman centurion's shield.
Gladius	Roman centurion's sword.
Template	A paper plan of the parts of the product to copy onto the material in order to cut to size accurately