

Corpus Christi Catholic Primary
Year 2
Design and Technology Curriculum Overview



	Autumn Topic	Spring Topic	Summer Topic
Topic	Textiles: Fabric Faces	Structures: Baby Bear's Chair	Food: A Balanced Diet
Skills to develop:	<ul style="list-style-type: none"> • Create a template. • Create a simple design to explain what they intend to do. • Create a fabric face with support by joining pieces of fabric together and add features using appropriate materials and techniques. • Discuss their ideas as they develop and say what their design has to do to achieve the design criteria. Stitch two pieces of fabric together using a running stitch and add features using appropriate materials and joining techniques. • Evaluate their product saying what they like and what they could improve. 	<ul style="list-style-type: none"> • identify natural and man-made structures • understand what is meant by stability and can identify when a structure is more or less stable than another • know that shapes and structures with wide, flat bases or legs are the most stable • know there are different ways paper can be folded to improve its strength and stiffness • build a strong and stiff structure by folding paper • test the strength of my structure • know how to create joints and structures from paper/card and tape • evaluate my structure according to the design criteria 	<ul style="list-style-type: none"> • Know what 'hidden sugars' are • know where to find the nutritional information on a drinks container • know that there are five food groups, made up of: fruit and vegetables, starchy carbohydrates, proteins, dairy, oils and spreads • consider and review food combinations • know that the most ideal ingredient combinations for my wrap will contain foods from more than one food group • design three possible wraps based on these combinations • choose one of these to make as my 'Final Design' • know how to slice food safely using the bridge or claw grip • prepare food safely • review my design

**Key
Learning/Sticky
Knowledge**

- To know that 'joining technique' means connecting two pieces of material together.
- To know that there are various temporary methods of joining fabric by using staples, glue or pins.
- To understand that different techniques for joining materials can be used for different purposes.
- To understand that a template (or fabric pattern) is used to cut out the same shape multiple times.
- To know that drawing a design idea is useful to see how an idea will look.
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- To know that shapes and structures with wide, flat bases or legs are the most stable.
- To understand that the shape of a structure affects its strength.
- To know that materials can be manipulated to improve strength and stiffness.
- To know that a structure is something which has been formed or made from parts.
- To know that a 'stable' structure is one which is firmly fixed and unlikely to change or move.
- To know that a 'strong' structure is one which does not break easily.
- To know that a 'stiff' structure or material is one which does not bend easily.

- To know that 'diet' means the food and drink that a person or animal usually eats.
- To understand what makes a balanced diet.
- To know where to find the nutritional information on packaging.
- To know that the five main food groups are: Carbohydrates, fruits and vegetables, protein, dairy and foods high in fat and sugar.
- To understand that I should eat a range of different foods from each food group, and roughly how much of each food group.
- To know that nutrients are substances in food that all living things need to make energy, grow and develop.
- To know that 'ingredients' means the items in a mixture or recipe.
- To know that I should only have a maximum of five teaspoons of sugar a day to stay healthy.
- To know that many food and drinks we do not expect to contain sugar do; we call these 'hidden sugars'.

Key Vocabulary	Decorate, design, fabric, model template	design criteria, man-made, natural, properties, structure stable, shape, model, test	balanced diet, carbohydrate, dairy, fruit, ingredients, oils, sugar, protein, vegetable design criteria
Links to previous learning		Year 1 – Traditional Tales Year 1 – Structures	EYFS - Chopping and preparing fruits and vegetables; baking; spreading butter on bread etc
Cross Curricular Links	Literacy – The Crayons’ Christmas	Maths – shape, comparing and ordering length	Science – Animals Including Humans RSHE – the importance of a Healthy Lifestyle Maths – compare and order mass