Theme: Bread Strand: Food Technology NC objectives covered: Design purposeful, functional, appealing products for themselves and other users based on design criteria Explore and evaluate a range of existing products			Learning in this topic: TECHNICAL KNOWLEDGE: Develop the creative, technical and practical expertise needed to perform everyday tasks confidently Understand health and hygiene before baking bread. Discuss the importance of washing hands before baking. DESIGN AND MAKE: build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users Explore a selection of breads that are readily available to buy. Evaluate the appearance, texture, smell and taste and describe likes and dislikes. Use their experience of bread to design some ideas for new bread rolls. Thinking about what will happen as the bread is baked. Choose a final design and describe the design with reasons for choices.				
Taste their own bread. Eval				evaluate and test their ideas and products and the work of others (including in the real world) d. Evaluate their final product. What has gone well, what would they change next time?			
Prior Knowledge needed:		_	Understand and apply the principles of nutrition and learn how to cook. Discuss which food group bread can be found in.				
Curriculum Concepts and Themes:	Food Technology		Curriculum Skills Progression:	Use knowledge of a range of products to inform plans and designs. Talk in depth about ideas, plans and reasons for choices. Follow procedures for safety and hygiene. Investigate and compare a range of similar existing products. Compare and contrast the similarities and differences of products with the same function. Evaluate ideas and products against design criteria; and suggest ways in which products can be improved. Sort and classify food into food groups. Measure and weigh accurately using cups and spoons. Work safely and hygienically. Talk about what needs to be done in order to work safely and hygienically. Measure and weigh using standard units scales.	Direct links to made other subjects:	History – Great Fire English – Instructions Maths – Measures Science – Hygiene and changes in state (materials)	
Inspirational Start: (hook to capture the imagination) Bread tasting to focus on the range of bread and designs available.		Mid-way Milestone: Click or tap here to enter text.		Extraordinary End: (a recognised end point to work towards) Making bread to match own design.			

<u>DT</u>	<u>Year 2</u>	Spring 2	Learning in th	is topic: WLEDGE: Develop the creative, technical and pract	ical expertise need	ded to perform everyday tasks confidently		
Theme: Puppets Strand: Textiles		To understand how different puppets work. To understand what a running stitch is. To practice sewing to join two pieces of fabric together.						
NC objectives covered:	 select from and use a equipment to perform example, cutting, shat finishing] explore and evaluate products evaluate their ideas a design criteria 	practical tasks [for ping, joining and a range of existing	DESIGN AND MAKE: build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users Explore a selection of a wide range of puppets (hand puppets, shadow puppets, rod/stick puppets, finger puppets, marionette). Evaluate the appearance, texture, operation and design. Discuss similarities and differences. Describe likes and dislikes. Use their experience of puppets to design some ideas for a new hand puppet. Thinking about the character they want to create and what extra materials they will need to use (beads, sequins, pipe cleaners, wool) and how they will be fastened onto the puppet. Create a final design and describe the design with reasons for choices. Sew a hand puppet using a simple running stitch.					
Prior Knowledge needed:	 Understanding who Knowledge of how work. Know a range of Tr Safety with sewing 	different puppets aditional Tales.	EVALUATE: critique, evaluate and test their ideas and products and the work of others (including in the real world) Evaluate their final product. What skills have they learned? What did they find easy? What was difficult about creating their final product? What has gone well, what would they change next time? Understand and apply the principles of nutrition and learn how to cook. N/A					
Curriculum Concepts and Themes:	Textiles		Curriculum Skills Progression:	Use knowledge of a range of products to inform plans and designs. Talk in depth about ideas, plans and reasons for choices. Select and use an increasing range of tools to cut and join a range of materials. Select and use an increasing range of tools to cut, shape and join materials and components. Use a ruler to measure and mark lines for cutting. Select an appropriate way to improve the appearance of a product. Talk about and begin to select textiles based on characteristics of an increasing range of materials. Use a simple template. Join fabrics using glue, stapes and thread. Apply an increasing range of finishing techniques. Cut and join fabrics using running stitch, buttons and bond web. Decorate fabric by applying beads and sequins.	Direct links to made other subjects:	English – Non-fiction writing about animals from Kiribati. English - instructions Maths – Matching halves Art – designing a character		
Inspirational Start: (hook to capture the imagination) Exploration of existing puppets.		Mid-way Milestone: Create, by sewing, a hand puppet.		Extraordinary End: (a recognised end point to work towards) To create a story involving all the puppets made by a group children.				

<u>DT</u>			Learning in this topic:				
Theme: Alarm systems Strand: Electrical and Mechanical components			TECHNICAL KNOWLEDGE: Develop the creative, technical and practical expertise needed to perform everyday tasks confidently				
NC objectives covered: Prior Knowledge	 design purposeful, functional, appealing products for themselves and other users based on design criteria generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] evaluate their ideas and products against design criteria build structures, exploring how they can be made stronger, stiffer and more stable An understanding of what electricity is. An understanding of how electricity travels. 						
• An understanding of how electricity can power objects. • An understanding of how electricity can power objects. • An understanding of how electricity can power objects. • Evaluate the prototype to see if the alarm system will work. Made of Evaluate their final product. What skills have they learned? What oproduct? What has gone well, what would they change next time. • Understand and apply the principles of nutrition and learn how to the product of the alarm system will work. Made of Evaluate their final product. What skills have they learned? What oproduct? What has gone well, what would they change next time.				they find easy? W			
Curriculum Concepts and Themes:	Electrical and mechanical components.	Curriculum Skills Progression:	 Use simple prototypes, labelled sketches and detailed instructions in plans and designs. Select materials and components according to known characteristics and functions. Make and use gluing tabs. Make simple paper models, mock-ups and templates. Compare and contrast the similarities and differences of products with the same function. Evaluate ideas and products against design criteria; and suggest ways in which products can be improved Use remote controlled devices, e.g. a remote-controlled vehicle, Bee bot etc Talk about how common electrical equipment works, e.g., kettle, telephone, and microwave. Talk how equipment can be used safely. Create a simple circuit using a battery, bulb and wires. Describe how a simple battery powered circuit can be controlled by different kinds of switches. Talk about simple electrical safety. Create simple circuits incorporating a battery, bulb, switch, buzzer and wires. 	Direct links to made other subjects:	 English – Beegu story and Mousetronaut story Maths – 3D nets Science – Electricity History – Space travel 		
Inspirational Start: (hook to capture the imagination) • UFO crash landing on the field.			Mid-way Milestone: Create and explore electric circuits with buzzers and lights.		Extraordinary End: (a recognised end point to work towards) • Create an alarm including a buzzer or light as a warning system.		