

Yr 4	Food Adapting Recipes- Biscuits	Textiles Fastenings- Book Sleeve	Electrical Systems Mindful Moments Timer
<p>D&T Skills</p>	<p><u>Design</u> Designing a biscuit within a given budget, drawing upon previous taste testing. Adapt a recipe to make my own design.</p> <p><u>Make</u> Following a baking recipe. Cooking safely, following basic hygiene rules.</p> <p><u>Evaluate</u> Evaluating a recipe, considering: taste, smell, texture and appearance. Describing the impact of the budget on the selection of ingredients. Evaluating and comparing a range of products. Suggesting modifications.</p>	<p><u>Design</u> Writing design criteria for a product, based off the design brief. Design a personalised book sleeve.</p> <p><u>Make</u> Making and testing a paper template with accuracy and in keeping with the design criteria. Measuring, marking and cutting fabric using a paper template. Selecting a stitch style to join fabric, working neatly sewing small stitches. Incorporating fastening to a design.</p> <p><u>Evaluate</u> Testing and evaluating an end product against the original design criteria. Deciding how many of the criteria should be met for the product to be considered successful. Suggesting modifications for improvement. Articulating the advantages and disadvantages of different fastening types.</p>	<p><u>Design</u> Describe the advantages and disadvantages of existing products (timers). Understand how Micro:bit features could be used as part of a design idea. Use CAD to create and edit designs.</p> <p><u>Make</u> Cut out a box net carefully, assembling it securely into a box using tape or glue and tabs and ensuring it has a slot for the Micro:bit display. Write a program that displays a timer on the Micro:bit based on their chosen seconds/minutes.</p> <p><u>Evaluate</u> Evaluate the immediate appeal of the Micro:bit timer and how it might function. Express which stages of the project they enjoyed or found more challenging.</p>
<p>Context and User</p>	<p>Biscuit Bake Off It's time to face the judges! Who can make the best recipe for an award-winning biscuit?</p>	<p>Class Novel Classrooms are busy places. You have been asked to create a book sleeve for your class novel to keep it safe.</p>	<p>Mindful Moments We love mindful moments after lunchtime so let's make a timer for our friends so they can all enjoy moments of wellbeing.</p>
<p>D&T Sticky Knowledge</p>	<p>To know that the amount of an ingredient in a recipe is known as the 'quantity'. To know that it is important to use oven gloves when</p>	<p>To know that a fastening is something which holds two pieces of material together for example a zipper, toggle, button, press stud and Velcro.</p>	<p>Explain the need for a company to stand out against competition. To know that computer aided design</p>

	<p>removing hot food from an oven.</p> <p>To know the following cooking techniques: sieving, creaming, rubbing method, cooling.</p> <p>To understand the importance of budgeting while planning ingredients for biscuits.</p>	<p>To know that different fastening types such as buttons, poppers, zips, Velcro are useful for different purposes.</p> <p>To know that creating a mock up (prototype) of their design is useful for checking ideas and proportions</p>	<p>software can be used to create and edit designs.</p> <p>To recognise that micro:bit can be programmed to change outcomes.</p>
Key Vocabulary	<p>Design criteria, research, texture, innovative, aesthetic, measure, cross-contamination, diet, processed, packaging</p>	<p>Aesthetic, assemble, book sleeve, design criteria, evaluation, fabric, fastening, prototype, net, running stitch, stencil, target audience, target customer, template</p>	<p>Research, advantage, disadvantage, criteria, design, ergonomic, timer, program, loop, coding, block, variable, pause, bug, debug, instructions, net, template, develop, join, assemble, test, form, function, prototype, process, cheap, user</p>
Aspirations	<p>Chef TV Chef Social Media Chef Nutritionist Dietician Food Scientist</p>	<p>Designer Fashion Designer Needle worker Embroider Seamstress</p>	<p>Electrician Engineer Designer</p>