

Yr 3	Structures Constructing a Castle	Food Eating Seasonally- tarts	Mechanisms and Systems Leavers and Linkages
<p>D&T Skills</p>	<p><u>Design</u> Designing a castle with key features to appeal to a specific person/purpose Drawing and labelling a castle design using 2D shapes with labels. Designing and/or decorating a castle tower on CAD software.</p> <p><u>Make</u> Constructing a range of 3D geometric shapes using nets. Creating special features for individual designs Making facades from a range of recycled materials To use nets and tabs.</p> <p><u>Evaluate</u> Evaluating own work and the work of others based on the aesthetic of the finished product and in comparison, to the original design. Suggesting points for modification of the individual designs</p>	<p><u>Design</u> Design a healthy and nutritious recipe for a savoury tart using seasonal ingredients, considering: taste, texture, smell and appearance of the dish.</p> <p><u>Make</u> Following the instructions within a recipe.</p> <p><u>Evaluate</u> Using design criteria to help. test and review dishes. Suggesting points for improvement when making a seasonal tart.</p>	<p><u>Design</u> Design a mechanical poster with up to three leavers and linkages. Add detailed annotations to a design to show how different components move. To base my design criteria around the needs of the design brief.</p> <p><u>Make</u> Make a prototype and a well-finished poster which use up to three lever/linkage mechanisms.</p> <p><u>Evaluate</u> To evaluate their prototype and make necessary changes. To evaluate my product against my design criteria.</p>
<p>Context and User</p>	<p>Museum A local museum needs you to build a strong, interactive castle to show children how they can withstand enemy attack.</p>	<p>The Three Fishes Restaurant The TV Chef Nigel Haworth is looking for a new dish for his Seasonal Menu.</p>	<p>Pendle Council The council has been asked by the government to promote recycling and need you to design the moving posters for promoting recycling.</p>
<p>D&T Sticky Knowledge</p>	<p>To understand the importance of strength and stiffness in structures To know that a façade is the front of a structure To know that a paper net is a flat 2D shape that can become a 3D shape once assembled</p>	<p>To know how to prepare themselves and a work space to cook safely in. To know that not all fruits and vegetables can be grown in the UK. To know that climate affects food growth.</p>	<p>To know that a mechanism is the parts of an object that move together, using forces to create outputs.</p>

		<p>To know that vegetables and fruit grow in certain seasons.</p> <p>To know that cooking instructions are known as a 'recipe'</p> <p>To understand what we mean by 'imported' and 'exported' food.</p> <p>To know safety rules for using, storing and cleaning a knife safely.</p>	
Key Vocabulary	2D shapes, 3D shapes, façade, feature, net, recyclable, scoring, stable strong, structure, tab, weak	Safety, seasons, climate, recipe, imported, exported, environment	Mechanism, motion, pivot, rotary motion, linear motion, reciprocating motion, oscillating motion, input, output, lever, linkage, loose pivot, fixed pivot
Aspirations	Architect Interior Designer Model Maker	Chef TV Chef Social Media Chef Nutritionist Dietician Food Scientist	Designer Engineer Mechanic