



Content Concept Question

	Unit 1	Unit 2	Unit 3
Year 1	<p>Textiles - Templates and joining techniques.</p> <p>Products can be made to correct specifications using templates.</p> <p><i>Can you make a glove puppet?</i></p>	<p>Mechanisms - Sliders and levers.</p> <p>Objects can move in different ways dependent on the mechanism used.</p> <p><i>Can you make a picture move?</i></p>	<p>Cooking and Nutrition - Preparing fruit and vegetables.</p> <p>Fruit and vegetables can be safely prepared to make them appealing, good to eat and digestible.</p> <p><i>Can you make a fruit salad?</i></p>
Year 2	<p>Cooking and Nutrition - Preparing fruit and vegetables with a range of equipment.</p> <p>Fruit and vegetables can be safely prepared to make them appealing, good to eat and digestible in wide variety of ways which allow them to be combined into recipes.</p> <p><i>Can you make a salad sandwich?</i></p>	<p>Mechanisms - Wheels and axles.</p> <p>To be able to move, wheels need axles and that axles can be made in a variety of ways.</p> <p><i>Can you make an axle?</i></p>	<p>Structures - Free standing structures.</p> <p>There are a variety of variables that can be adjusted to make free standing structures stable.</p> <p><i>Can you design a playground?</i></p>
Year 3	<p>Mechanical Systems – Levers and Linkages including loose pivots.</p> <p>Mechanisms can be joined to form complex systems.</p> <p><i>Can you make a moving greetings card?</i></p>	<p>Cooking and Nutrition - Healthy and varied diet.</p> <p>Products can be evaluated by a range of criteria.</p> <p><i>Could you cater for a party?</i></p>	<p>Textiles - 2D shape to 3D product</p> <p>3d products can be made from 2d shapes.</p> <p><i>Can you make a beach bag?</i></p>
Year 4	<p>Structures - Shell structures</p> <p>Structures can be strengthened using a variety of established techniques such as laminating, corrugating and ribbing.</p> <p><i>Can you make a pen pot?</i></p>	<p>Electrical Systems - Simple programming and control.</p> <p>Computer programming can be used to control electrical systems.</p> <p><i>Can you make a nightlight?</i></p>	<p>Cooking and Nutrition - Healthy and varied diet.</p> <p>Some recipes need to be followed very precisely and some recipes can be adapted to meet the wants and needs of the user.</p> <p><i>Can you make a pizza from scratch?</i></p>
Year 5	<p>Electrical systems - Monitoring and Control</p> <p>Electrical systems can contain components which allow them to monitor the external environment and cause actions.</p>	<p>Cooking and nutrition - Celebrating culture and seasonality.</p> <p>There are similarities between recipes from different cultures as well as key differences. Different countries and</p>	<p>Mechanical systems - Using cams.</p> <p>Mechanisms can be used to bring about a range of movements such as oscillating, reciprocating.</p> <p><i>Can you make a moving shop display?</i></p>

	<i>Can you make an alarmed box?</i>	cultures have different flavours which are typically used in their cuisine. <i>Can you make a flatbread with flavours from another culture?</i>	
Year 6	Textiles – Using Computer aided design in textiles. Different fabric shapes can be combined to produce complex garments. <i>Can you make a hat?</i>	Structures - Frame structures Complex techniques such as triangulation can be used to construct frames which can bear weight. <i>Can you design the prototype for a house in a flood plain?</i>	Cooking and nutrition - Celebrating culture and seasonality. Ingredients need to be grown, stored, harvested, preserved and processed to produce complex products. <i>Can you design a seasonal meal?</i>