



**Rainford High School – Department: Art & Design Technology**

Year 7 Curriculum						
	Half-Term 1	Half-Term 2	Half-Term 3	Half-Term 4	Half-Term 5	Half-Term 6
Topic	Product Design Desk Tidy	Art & Design- Mini Beasts	Food Various recipes	Graphics/Mechanisms Mechanical Toy	Textiles Monster	Art & Design- Sweets
<b>Essential knowledge, skills and understanding</b>	<p>Health and safety in the workshop</p> <p>Workshop skills used in a range of materials.</p> <p>Designing and making</p> <p>Tool selection</p> <p>Materials properties</p> <p>Working to tolerance</p> <p>Manufacturing techniques</p> <p>Batch production</p> <p>Analysing a set task</p> <p>Working to a brief</p> <p>Making/modelling skills</p> <p>Use of CAD/CAM</p> <p>Use of jigs and templates</p>	<p>Introduction to Formal Elements in Art (Line, Shape, Form, Colour, Tone, Texture, Pattern, Composition)</p> <p>Drawing, Designing &amp; Observational Skills- pencil techniques (Tone &amp; Mark making), working with scale, proportions.</p> <p>Colour Theory- understanding primary, secondary, complementary and harmonious colour. Warm and cool colours, variations in tone used to create contrast and form.</p> <p>Understanding the process of generating ideas, designing a composition, mark making, applying colour theory and print making techniques.</p>	<p>Food Safety</p> <p>Food Hygiene</p> <p>Practical application of knife skills</p> <p>Safe use of hob and oven</p> <p>Using the correct equipment</p> <p>Heat transfer methods</p> <p>Understanding Basic Nutrition</p> <p>Eat Well Guide</p>	<p>Drawing and presentation skills</p> <p>Following a design brief</p> <p>Research skills</p> <p>Designing skills</p> <p>Colour and imagery</p> <p>Surface pattern design</p> <p>Manipulating graphic/ resistant materials</p> <p>Making/modelling</p> <p>Use of CAD/CAM</p> <p>Cardboard engineering</p> <p>Understanding of simple mechanisms</p> <p>Evaluation</p>	<p>Designing skills</p> <p>Making skills</p> <p>Drawing and presentation skills</p> <p>Use of sewing machine</p> <p>Simple pattern drafting</p> <p>Textile construction techniques</p> <p>Developing creative solutions</p> <p>Natural fibres</p> <p>Manufactured fibres</p> <p>Material properties</p> <p>Evaluating</p>	<p>Introduction to Formal Elements in Art (Line, Shape, Tone, Form, Colour, Pattern, Texture, Proportions, Form)</p> <p>Drawing, Designing &amp; Observational Skills- pencil techniques (Tone &amp; Mark making), working with scale, proportions.</p> <p>Colour Theory- understanding primary, secondary, complementary and harmonious colour. Warm and cool colours, variations in tone used to create contrast and form.</p> <p>Understanding the process of generating ideas, designing a composition, applying colour theory and applying textures.</p>

