

Year 7 DT Curriculum Map			
Food	Textiles	Resistant Materials	Graphics
<p>Learning focus/topic: Introduction to balanced diets and food preparation.</p> <p>Skills: Use of variety of kitchen equipment. Knife skills, presentation skills, evaluation skills, basic cookery skills, rubbing-in, batter method, sensory testing, weighing & measuring, all in one method.</p> <p>Theory knowledge learnt: Food safety/hygiene, sensory analysis, why we eat food, Eat well guide, Commodities, Macronutrients.</p> <p>Assessment:</p> <ul style="list-style-type: none"> • 1x non-examination assessment (evaluation) • 1 x knowledge grade (end of rotation test) <p>Key words: Ingredients, equipment, evaluation, assessment, annotation, Health, hygiene, sensory, star-charts, appearance, aroma, taste and texture, vegetarian alternatives Thickening (coagulation), Lightening (foam), Binding, Emulsifying, Coating, Glazing, fat, protein, carbohydrate.</p> <p>Challenge: B,S,G in individual recipes and by outcome B, S, G in worksheets, also justify own practical grade</p>	<p>Learning focus/topic: Design and create an aboriginal art inspired soft toy to be sold in the Natural History Museum.</p> <p>Skills:</p> <ul style="list-style-type: none"> - Analyse design challenge - Design, develop and model - Recognise the importance of pattern - Use of sewing machine - Straight stitching - Apply knowledge of resist dye techniques and embellishment. <p>Theory knowledge learnt: natural & synthetic fibres, 6 r's, design strategies, workshop equipment, health and safety, enterprise, people, culture, designers and design companies, resist dye techniques.</p> <p>Assessment:</p> <ul style="list-style-type: none"> - 1 x non-examination assessment grade (analyse) - 1 x knowledge grade (end of rotation test) <p>Key words: Analyse, design, develop, aboriginal, natural, Tie-dye, Seam, Batik, Structure, Pattern, sewing machine, stitching, natural, synthetic, resist dye technique, culture, embellishment. .</p> <p>Challenge: Creating own pattern piece and independently using sophisticated embellishment and fasteners. Homework challenge tasks.</p>	<p>Learning focus/topic: Key ring – introduction to workshop tools and equipment. Then students to “Design and create an acrylic clock based on wildlife”. Recognising the function of plastics and mechanisms.</p> <p>Skills:</p> <ul style="list-style-type: none"> - Analyse design challenge - Design, develop and model - Skills in using workshop tools equipment and machinery (pillar drill, line bender). - Nesting - Creating a mechanism. - base engraving clock using CAD/laser cutter. <p>Theory knowledge learnt: Types, sources and origins of polymers, workshop equipment, health and safety, laser cutting/engraving, injection moulding, life cycle of product and sustainability (environment),</p> <p>Assessment:</p> <ul style="list-style-type: none"> - 1 x non-examination assessment grade (manufacture) - 1 x knowledge grade (end of rotation test) <p>Key words: Analyse, design, develop, key ring, polymer, thermoplastics, acrylic, line bending, nesting, mechanism, sublimate, template, thermosetting plastics</p> <p>Challenge: Adapt template, challenging shape which is more intricate to cut out. Homework challenge tasks.</p>	<p>Learning focus/topic: Create an interesting and creative packaging design for a chocolate box to be sold at a local supermarket. Students to be introduced to illustrator the Adobe CAD programme.</p> <p>Skills:</p> <ul style="list-style-type: none"> - Different types of nets (developments) - Brand identity - Conventional and sustainable packaging - Design, develop and model - Use of CAD and laser cutter - Vacuum forming <p>Theory knowledge learnt: types and uses of paper, cards and boards, renewable energy, fossil fuels, drawing techniques, isometric drawing, purpose of CAD design, laser cutter, plastics, how to make paper.</p> <p>Assessment:</p> <ul style="list-style-type: none"> - 1 x non-examination assessment grade (design) - 1 x knowledge grade. (end of rotation test). <p>Key words: ACCESS FM, Product analysis, brand identity, conventional packaging, sustainable packaging, Tessellation, vacuum forming. Thermoplastics.</p> <p>Challenge: Adapting their net design on illustrator to show more creativity and skill. To do this independently.</p>
<p>Following CET design programme within DT projects too. The core principles: structure, pattern, meaning, performance and human interaction</p>			