

Curriculum Map – DT year 8

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Year 8	Topic Title: Engineered product - CAD / CAM Light Detecting Promotional Display	Topic Title: Developing higher level skills to progress into the Catering and Hospitality Sector	Topic Title: Materials Product – Maze Game	Topic Title: Graphics - Event Marketing
	Big Questions: <u>Health and Safety</u> <ul style="list-style-type: none"> How would we promote safety in an industrial engineering workshop? – CFU Assessment & Homework <u>Design</u> <ul style="list-style-type: none"> Our designs for this project should consider manufacturing the technological display in larger quantities, what do you need to consider? CFU Assessment How can you ensure your design can be made in larger batches? <u>Manufacturing</u> <ul style="list-style-type: none"> How will you ensure that all the components of the Technological Display fit together? How do we create an M3 threaded hole? - Retrieval based Homework How do you ensure that you Technological Display will 	Big Questions: <u>Design</u> <ul style="list-style-type: none"> What are the sources, types and functions of micro and macronutrients? CFU Assessment What is energy? Why do we need it? How do I create and follow a detailed time plan? What are the consequences of over or under consumption of macro nutrients? What are the sources, types and functions of Micro-nutrients? What are the factors that contribute to Healthy living? What does a healthy diet look like? How do I Evaluate my catering practical's and inform the planning of my final dish? <u>Health and Safety</u> <ul style="list-style-type: none"> How do we keep the kitchen free from food contamination and food poisoning? <u>Practical</u>	Big Questions: <u>Health and Safety</u> <ul style="list-style-type: none"> What can you remember from Y7? What is the H&S procedures in place for new machinery? <u>Design</u> <ul style="list-style-type: none"> What is a Design brief and Specification? Who is it for? How is it applied to designing a new product? What wood joint will be suitable for your maze game? CFU Assessment Homework How can you communicate your ideas? How do you use the creative features across your initial ideas to inspire your chosen design? CFU Assessment <u>Manufacturing</u> <ul style="list-style-type: none"> What are the routines of the construction workshop? What workshop equipment is used to complete the finger joint? What workshop equipment is used to complete a mitre joint? What workshop equipment is 	Big Questions: <u>Design</u> <ul style="list-style-type: none"> What is a Design Brief and Market Research? How does Product Analysis inform the graphical design process? What is a Mood Board and how does it influence our design? What is Typography? How do we use Sketching and Drawing Techniques in our designs? What are the Paper Properties that we should consider and standard sizes? How do I generate my Initial design Ideas? How do I Develop my Final Design? <u>Manufacturing</u> <ul style="list-style-type: none"> What processes do I need to consider in the Manufacture of my product? What is the purpose of Initial Analysis and Questionnaire? <u>Evaluation</u> <ul style="list-style-type: none"> How do I Evaluate the success of my products?

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	<p><i>work correctly after assembly?</i></p> <p><u>Evaluation</u></p> <ul style="list-style-type: none"> ○ <i>Can you remember all the knowledge you have gained throughout the project? – Score in assessment record</i> ○ <i>How do you ensure you are reflecting on the success of your technological display taking into consideration the feedback from you target market? – Live evaluation feedback</i> ○ <i>Example of Engineering EXAM question</i> 	<ul style="list-style-type: none"> ○ How do we create healthy balanced meals? (Stuffed Peppers) ○ How do I handle raw meat safely? (Spicy Burgers) ○ How do I create and follow a detailed time plan? (Curry) ○ How can I present savory dish in a creative way? (Lamb Cupcakes) ○ How is rice cooked and stored safely? (Bacon and Leek Risotto) ○ How do I cook dishes from different cuisines? (Beef Noodles) 	<p>used to construct the maze element?</p> <ul style="list-style-type: none"> ○ What workshop equipment is used to construct the acrylic lid? ○ What finish can we apply to our maze game? CFU <p>Assessment</p> <p><u>Evaluation</u></p> <p>How to reflect on mid-point evaluation to evaluate final product? – Live evaluation feedback</p>	<p>How do I show my understanding of the Graphics module?</p>
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