

Curriculum Map – DT year 8

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Year 8	Topic Title: Engineered product - CAD / CAM Promotional Display	Topic Title: Year 8 Catering - Ready, Steady, Restaurant!	Topic Title: Materials Product – Maze Game	Topic Title: Graphics - Event Marketing
	<u>Health and Safety</u> - How do I promote Health and Safety in the Engineering Workshop in an engaging way? – CFU Assessment & Homework <u>Design</u> - What new components will I need to make the torch? And how will they be connected together? - Who are you wanting to appeal to with your torch project? - How can you realise your theme as a key-ring torch that will appeal to your target market? CFU Assessment - Can you create a camera as a 3D solid model using the latest industrial software? Yes, you can! - Retrieval based Homework - Can you create your final design as a 3D solid model on Autodesk inventor? Taking design features from across your initial ideas?	Big Questions: <u>Design</u> - What is Hospitality and Catering? CFU Assessment - What does a healthy diet look like? Quiz CFU - How do I create and follow a detailed time plan? - How do we create healthy balanced meals? - What are the factors that contribute to Healthy living? - How do we keep the kitchen free from food contamination and food poisoning? - What are the sources, types and functions of Micro and Macro Nutrients? - How do I handle raw meat safely? CFU Assessment – Time Plan - How do I cook dishes from different cuisines?	Big Questions: <u>Health and Safety</u> - What can you remember from Y7? What is the H&S procedures in place for new machinery? <u>Design</u> - 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> - 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 used to construct the maze element? - What workshop equipment is used to construct the acrylic	Big Questions: <u>Design</u> - How do we use graphic design to promote an event? CFU Assessment – Analysis - What is Typography? - How can we use composition to plan a successful piece of design work? - How do I generate my Initial design Ideas? CFU Assessment - Red/Green Pen Feedback - Final Design CFU Assessment - What processes do I need to consider in the Manufacture of my product? - What is the purpose of Initial Analysis and Questionnaire? - How do I Evaluate the success of my products? - How do I show my understanding of the Graphics module? <u>Manufacturing</u> - What processes do I need to consider in the Manufacture of my product? <u>Evaluation</u>

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	○ Can you create an imaginative and creative advertisement to promote your torch? You might want to include your final 3D model? Manufacturing ○ Now it is time to assemble your laser cut torch, how do we ensure that it works reliably? ○ You have learnt how to design and manufacture your torch, but what specific engineering skills have you learnt? How would we make a batch of 100 torches? – Production Plan Homework Evaluation ○ Are you happy with your completed torch? What do your peers think? Have you been able to ask members of your target market? – Live evaluation feedback Can you remember all the knowledge you have gained throughout the project? – Score in assessment record <u>Health and Safety</u> ○ How would we promote safety in an industrial engineering workshop? – CFU Assessment & Homework	CFU Assessment – Evaluation ○ How can I present a dish in a creative way? <u>Evaluation</u> ○ How do I Evaluate my catering practical work and restaurant concept? <u>Practical</u> ○ Coleslaw ○ Pizza Pin Wheels ○ Chicken Tenders ○ Curry	lid? ○ What finish can we apply to our maze game? CFU Assessment <u>Evaluation</u> How to reflect on mid-point evaluation to evaluate final product? – Live evaluation feedback	○ What have we learnt during the course of this project? How confident do we feel with the knowledge we have gained this term moving forward with Graphic Design? ○ How do I show my understanding of the Graphics module?
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	<u>Design</u> ○ <i>Our designs for this project should consider manufacturing the technological display in larger quantities, what do you need to consider?</i> CFU Assessment ○ <i>How can you ensure your design can be made in larger batches?</i> <u>Manufacturing</u> ○ <i>How will you ensure that all the components of the Technological Display fit together?</i> ○ <i>How do we create an M3 threaded hole? -</i> Retrieval based Homework ○ <i>How do you ensure that your Technological Display will work correctly after assembly?</i> <u>Evaluation</u> ○ <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</i>			
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	<i>technological display taking into consideration the feedback from you target market? – Live evaluation feedback</i> ○ <i>Example of Engineering EXAM question</i>			
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