

Curriculum Map – DT year 7

	1	2	3	4
Year 7	Topic Title: Engineered product - CAD / CAM Torch Project	Topic Title: Healthy living and Planning, preparing, and producing healthy meals.	Topic Title: Materials Product – Pull along toy	Topic Title: Graphics – Children’s Book
	Big Questions: <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	Big Questions: <u>Health and Safety</u> - What does good hygiene, health and safety look like? CFU Assessment - HWK <u>Design</u> - How can we plan, prepare, and cook healthy, safe, and affordable meals? - What constitutes a balanced diet Eatwell Guide - Meal Planning on a Budget - Sensory Analysis and Evaluation CFU Assessment - Healthy Cooking Techniques - how to cook safely - Seasonal and Local Produce - Protein Sources - End of unit 'Healthy Choice' Dish <u>Practical</u> - Fruit Salad - Healthy Pasta Salad - Quesadilla - Mini Vegetable Frittata CFU Assessment	Big Questions: <u>Health and Safety</u> - Why is health and safety important in the workshop? CFU Assessment <u>Design</u> - How do I communicate my ideas using a graphical skill? - How do I use graphical drawing skills to communicate my ideas? CFU Assessment <u>Manufacturing</u> - How do I use final design to create pull along train? What considerations are needed? What tools and processes are required? - Why is a high-quality finish required on the pull along train? Who is the finish for? How is it applied? - How are the components going to be assembled? How can they be fixed together? - What is quality control? How do we assess how well we are doing? CFU Assessment	Big Questions: <u>Design</u> - Getting to know Graphic Design and your design brief - Product Analysis CFU Assessment - Understanding colour use and creating a mood board - Story planning and mind-mapping - Exploring imagery in more detail - Creation of Initial Ideas CFU Assessment - Final design - Evaluation and end of unit test CFU Assessment <u>Manufacturing</u> - How do we ensure a high level of finish on our Children’s Book? <u>Evaluation</u> - What do our peers/customers think of our final design? Why would a survey detailing customer responses be useful to a designer once a prototype has been made? How do you ensure you are

Curriculum Map – DT year 7

	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? ○ Can you create an imaginative and creative advertisement to promote your torch? You might want to include your final 3D model? <u>Manufacturing</u> ○ 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 <u>Evaluation</u> ○ Are you happy with your completed torch? What do your peers think? Have you been able to ask members of	<u>Evaluation</u> ○ How do I evaluate my practical dishes? ○ How do I organise my time when cooking? ○ How do we maintain healthy teeth? ○ What is the difference between an allergy and an intolerance? ○ What are the functional properties of food? What does a healthy plate look like?	<u>Evaluation</u> ○ How to use mid-point evaluation to make a trailer with a letter ensuring quality of finish is high? ○ Why is it important to evaluate a product? What purpose does it serve? How would they evaluate in industry?	reflecting on the success of your Children's Book taking into consideration the feedback from you target market?
--	---	---	---	---

Curriculum Map – DT year 7

	your target market? – <i>Live evaluation feedback</i> ○ Can you remember all the knowledge you have gained throughout the project? – <i>Score in assessment record</i>			
--	---	--	--	--