



SUBJECT: Curriculum Overview

Year 7

12 Week Carousel	Topic studied	What will I learn?	How will I be assessed?
Year 7	Engineering:	- Interpreting a Design brief - Design Specification - Design Ideation - Health and Safety - Die Casting - Working with Pewter (metals in general) – cutting & finishing - Evaluation - Sustainability - Engineering Drawing - Engineering Hydrodynamic Principles - Vacuum Forming - Potential Energy/Energy transfer - Mechanisms	Die casting keyring project Skills assessed: - Practical skills - Testing and Evaluation Hydrodynamics project: Catamaran Boat - Engineering Design and Problem solving - Testing and evaluation

Year 7	Food:	• Food preparation • enzymic browning will occur and how we can combat this once the fruit is cut. • Food Science • Nutrients in Food • Safe use of oven • Cross-contamination. • Different types of bread • Tastes and textures on a simple dish. • Diversity – Food Provenance • Measuring of ingredients • Accurately weighing of ingredients – different methods of baking • Rubbing in method • What is the function of protein in our diet – why do we need it? • Food Safety • Chemical raising agents – Food Science.	A series of practical cooking lesson for example: • Fresh Fruit Salad • Cheats Pizza • Couscous Salad The final dish and written evaluation are assessed Knowledge is assessed through classwork and homework tasks An end of term test will assess knowledge on the dishes and methods of cookery used along with health and safety and using the equipment correctly. A series of practical cooking lesson for example: • Apple Crumble • Chicken Goujons • Scones The final dish and written evaluation are assessed Knowledge is assessed through classwork and homework tasks
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			An end of term test will assess knowledge on the dishes and methods of cookery used along with health and safety and using the equipment correctly.
Year 7	Design and Technology:	The key skills and knowledge students will gain during these topics? - To demonstrate the ability to effectively analyse a brief using an appropriate range of keywords/terms. - Evidence understanding of a range of materials and	Buggy Project You will be assessed by the following: - Verbal Feedback - Peer assessment Three pieces of stamped work for students per term to respond too – Two graded – Research, Design development grade, Theory,

		fixing methods via work produced.	Make grade, Final evaluation grade • Homework also to completed and submit within the required deadlines on GC
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Students rotate around a carousel so that they study each D&T subject for approximately 12 Weeks