

# Hobart High School Key Stage 3 Curriculum Map



Department: D&T

	Unit Title	Knowledge & Skills Developed	Assessment	Personal Development
<b>Year 7</b>				
<b>Unit 1</b>	Hygiene & safety A healthy, balanced diet	Food hygiene and the Eatwell guide Safe use of the hob and oven Choosing healthy ingredients is important Basic knife skills and safe use Creating healthy dishes	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Healthy food choices Working safely
<b>Unit 2</b>	Papers & Boards Introduction to CAD/CAM Introduction to polymers	Introduction to CAD/CAM Properties of paper and board Using CAD/CAM to manufacture a card product Introduction to polymers Using the line bender, oven and vacuum former safely to form and deform plastics	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Sustainable materials and recycling Working safely
<b>Unit 3</b>	Mechanisms and movement	Workshop H&S Introduction to safe use of tools and equipment Tolerances and working accurately Gears, mechanisms, cams and levers	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Working safely
<b>Unit 4</b>	Fibres and fabrics	Fibre and fabric origins Dying fabric Introduction to using a sewing machine Construction skills Decorative techniques including applique	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Textile origins and the impact on the environment
<b>Year 8</b>				
<b>Unit 1</b>	Food safety, skills and planning	Food hygiene and safety – causes of food poisoning Vegetable preparation and knife skills Sauce making Meal planning and adapting a recipe	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Food safety Safe working area

<b>Unit 2</b>	Electronic products	Building on CAD/CAM skills to design and manufacture an amplifier Electronic circuits and components Programming a circuit	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Energy generation CAD/CAM production and automation
<b>Unit 3</b>	Timbers and manufactured boards	Properties of timber and manufactured boards Manufacturing with set material constraints Design development of clock ideas Orthographic projection	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Deforestation / ethical sourcing
<b>Unit 4</b>	Textiles	Properties of fabrics Identifying different methods of printing Designing a product for a client Building on construction skills using a sewing machine	Starters for 10 DNA assessment End of unit test Verbal feedback Peer, self and teacher assessment	Impact of fast fashion Ethical supply chain

## Year 9

<b>Unit 1</b>	Nutritional needs	Food hygiene and safe food storage Energy sources and nutrients Nutritional and sensory analysis Raising agents Gluten and bread making	Knowledge checks. Starters for 10 DNA based on exam style questions and scientific report writing.	Keeping fit and healthy
<b>Unit 2</b>	Metals	Ferrous and non ferrous metals and alloys Designing and creating a mould Scales of production Casting with metal Ergonomics and anthropometric data	DNA – exam style question Starters for 10 Whole class feedback	Designing for a client
<b>Unit 3</b>	Food	Food Safety and Hygiene. Food Contamination, focussing on bacterial contamination. Temperature Control Food Poisoning Quality Control Points and Time planning.	Food Poisoning Whodunnit Incorporating a range of literacy and media styles for pupils to access.	Safe food storage
<b>Unit 4</b>	Composite materials	Designing a product and combining materials Advantages and disadvantages of composites Joining materials Orthographic projection /Isometric projection	DNA – exam style question Starters for 10 Whole class feedback	Presentation skills
<b>Unit 5</b>	Introduction to GCSE	3 week module		

		Food: Afternoon Tea Creating a timeplan Food Allergies and Intolerances. Product Design: Refining modelling and presentation skills		
--	--	--	--	--