

KS4 Subject Area: Technology

'Explores industry specific knowledge through a diverse range of skills including teamwork, creativity, problem solving and life skills. Students will enhance their employability skills, contributing to their personal development and future economic well-being'

Curriculum Overviews	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Students will rotate between specialist teaching areas and staff to complete of the topic areas in Years 7, 8 and 9.					
Year 10	Hospitality Nutrition and health	Hospitality Food commodities and cooking methods	Hospitality Food safety	Hospitality Basic skills, pastry, cakes	Hospitality Industry	Hospitality Food provenance
	Food Preparation & Nutrition Food, Nutrition & Health	Food Preparation & Nutrition Food Commodities	Food Preparation & Nutrition Food Safety	Food Preparation & Nutrition Food Science	Food Preparation & Nutrition Food choices	Food Preparation & Nutrition Food provenance
	Hair and Beauty C&G Health and Safety, practical skills	Hair and Beauty C&G Practical skills, underpinning knowledge of subjects	Hair and Beauty C&G Industry skill building, explore the industry and areas of specialisms	Hair and Beauty C&G Design an image for a competition piece. Make up application	Hair and Beauty C&G Communication and personal presentation. Plaiting and twisting	Hair and Beauty C&G Portfolio building and log book production
	Vehicle maintenance Health and safety. Safe use of tools and equipment. Manual handling. Fire prevention and emergency procedures	Vehicle maintenance Consumable materials. Practical skills which underpin vehicle maintenance principals	Vehicle maintenance Lubrication systems. Changing engine oil and filters	Vehicle maintenance Spark ignition systems and maintenance. Removing, checking and replacing spark plugs	Vehicle maintenance Spark ignition engine fuel systems. Removing, checking, and replacing fuel and air filters	Vehicle maintenance Engine cooling systems and maintenance. Remove a radiator and thermostat. Drain and refill a cooling system
	Textiles Developing construction skills from KS3. Fibres Screen printing Students will make a kit roll	Textiles Working with knitted fabrics. Students will make a festive hoody Lay planning and material management	Textiles Smart and modern materials. Students will make a thermochromic hot water bottle cover	Textiles Electronic Systems Energy storage Students will make a Textiles LED brooch. Using conductive thread and battery packs	Textiles Timbres theory Tie dye & batik. Shaping and forming: Pleating and gathers. Students produce textile and wood stool	Textiles NEA research and investigation. Contexts, clients, background research. Metals and polymers theories.
	Graphic Design Unit 1 LO1 & LO2 Introduction to graphic Design Understanding the 6 main components of graphic design. Colour, composition, typography, imagery, line and tone. Students will experiment with using the 6 main components of graphic design.	Graphic Design Unit 1 LO2 & LO3 Continue to experiment with the 6 components of graphic design by working to a brief. Students design a logo and flyer for a sweet shop. Evaluate how you have used the 6 components.	Graphic Design Unit 3 LO1 & LO2 Responding to a brief. Carrying out research into their client's needs and wants. Sketching initial ideas. Writing a specification. Design development.	Graphic Design Unit 5 External Exam & Prep Students complete a 10 hour practical exam. Students work to a brief set by NCFE.	Graphic Design Unit 3 LO2 & LO3 Students continue to develop their ideas. Compare ideas to a brief.	Graphic Design Unit 2 LO1 Graphic Design Practice Students research into a range of graphic design disciplines. They will research into graphic designers within their chosen discipline and identify key characteristics from their work.



Year 11	Hospitality Nutrition, health and menu planning	Hospitality Nutritional needs and menu planning	Hospitality NEA2	Hospitality Structure of the hospitality industry	Hospitality Industry customer needs, expectations and requirements	Hospitality Exam revision
	Food Preparation & Nutrition NEA2 Coursework	Food Preparation & Nutrition NEA2 Revision	Food Preparation & Nutrition NEA2 Exam and Evaluation	Food Preparation & Nutrition Revision	Food Preparation & Nutrition Revision	
	Hair and Beauty C&G Design research an image using various platforms. Age, era and or authenticity of knowledge	Hair and Beauty C&G Create the designed image using hair and make-up and props	Hair and Beauty C&G Synoptic assessment	Hair and Beauty C&G Synoptic assessment	Hair and Beauty C&G Science	Hair and Beauty C&G Exam revision
	Vehicle maintenance Health and safety. Safe use of tools and equipment. Engine operation. Removal and replacement of a cylinder head	Vehicle maintenance Braking systems and components. Remove and replace brake pads	Vehicle maintenance Exhaust systems and components. Remove and replace an exhaust system	Vehicle maintenance Electrical circuits. Build and test a lighting circuit	Vehicle maintenance Individual student projects	Vehicle maintenance Individual student projects
	Technology & Textiles NEA research and investigation & Specification The work of others Product analysis Presenting data Ergonomics and anthropometrics	Technology & Textiles NEA initial designs and development. Perspective & technical drawing. Surface decoration	Technology & Textiles NEA Development of a prototype. Environment and social concerns. Fairtrade. Manufacturing specification	Technology & Textiles NEA Evaluation. Scales of production. Papers and boards. Mechanisms	Technology & Textiles Materials revision. Surface treatments	Technology & Textiles Revision
	Graphic Design Unit 2 LO2 & LO3 Students to use a range of technical skills complete a piece of work inspired by the work of their chosen graphic designer and discipline. Students to evaluate how their work has been inspired by their chosen graphic designer.	Graphic Design Unit 5 External exam and prep (2 nd attempt) Students complete a 10 hour practical exam. Students work to a brief set by NCFE.	Graphic Design Unit 4 LO1 Students carry out research into a range of graphic design industries and a range of pathway options. Students research into how work is presented and promoted in different industries.	Graphic Design Unit 4 LO2 Students complete a graphic design portfolio including a range of their work.	Graphic Design Unit 4 LO3 Students evaluate how successful their final portfolio is.	

Texts, Exam Boards and Useful Websites:

Key Stage 4 (Year 10 - 11)

Exam Board –WJEC (Construction, Food preparation, hospitality), IMI (Motor vehicle), City & Guilds (Hair & Beauty)

Textiles / Technology

PG online

Construction

<https://www.hse.gov.uk/construction/index.htm>

Food preparation

www.illuminatepublishing.com

For log in details see your teacher

Gastro Lab – BBC/ You Tube

<https://www.senecalearning.com/>

Hospitality

<https://www.hospitalityandcateringnews.com/>

Motor Vehicle

www.nationalgeographic.co.uk/video/tv/car-sos

www.howstuffworks.com

Hair & Beauty