

KS3 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 7	Food & Nutrition basic skills Project Working safely in the food room. Food building on basic cooking skills and methods. Cooking a range of meals. How to make healthy food choices.		Textiles Project: Introduction to Textiles Introduction to fibres and fabrics and the sewing machine. A range of skills including stencilling & tie dye. Students will make a draw string bag.		Materials Tech: Introduction to the workshop Designing and making their own mechanical toy out of wood, following a design brief.		
Year 8	Multi-cultural food Extending prior cooking skills and knowledge including food science experiments and cultural knowledge.	Textiles: Surface Decoration Decorative patchwork cushion using sewing machines. Surface decoration techniques such as laser etching, screen printing, sublimation printing and applique. Introduction to the over locker and quality control		Introduction to Electronic Systems Electronic board game. Introduction to CAD and soldering		Materials Tech: Design and make a Lego man. Hand tools, machinery and finishing techniques. Design development.	
Year 9	Food preparation and nutrition Safety, food science skills, nutrition, food provenance, building on prior skills Hospitality Building on teamwork skills, commodities, gaining high cooking skills, methods and presentation, safety in the workplace	Textiles: 3d patterns & Smart materials Understanding how sewing patterns are used to make 3d shapes. Students will make a soft toy. Knitted and non-woven fabric construction. How fabrics are safety tested for industry. Exploring smart and modern materials. Students will make a thermochromic hot water bottle cover		Introduction to Graphic Design Understanding the 4 main components of graphic design. Colour, composition, typography, imagery. Students will design a poster and merch for a festival		Construction Joinery, attaching hinges, using chisels. Understanding Health and safety within the Construction industry	Materials Tech Working properties of a range of materials. Laser cutter, 2D design, hand shaping wood and plastic. Advantages/disadvantages of CAD / CAM

Texts, Exam Boards and Useful Websites:

Key Stage 3 (Year 7, 8 and 9)

<http://www.technologystudent.com/>
[BBC Good Food](#)
[Deliaonline](#)
[The Food Network](#)
[Nutrion.org](#)
<http://www.julieboyd.co.uk/>
<https://www.canva.com/learn/visual-design-composition/>
<https://www.blackbeardesign.com/blog/graphic-designers/understanding-color-the-meaning-of-color/>