

Key Stage 3 Curriculum - Year 7

Design Technology Year 7

Aims for the Year

Introduction to DT covering the basics of the design process, materials and drawing skills. Students will focus on generating a Brief and Specification. Then use the iterative design process to design and develop a product.

Modules/Units to be Covered

Key Learning covered:	Assessment will be:	Revision & resources	Further Reading	How parents could support students
Generating a brief and specification	Successful evaluation of a working product to meet the brief.	Technologystudent.com	n/a	Encourage students to problem solve at home.
Creative concept generation	Success criteria used to gauge: Challenge, Creativity, Meeting the brief.		The art of looking sideways by Alan Fletcher.	Provide creative stimulus to students.
Practical skills	Use of materials, Consideration of sustainability Accuracy			

Students will regularly complete "Directed Reflection & Improvement Time" (DIRT) within modules of work

Key Stage 3 Curriculum - Year 8

Design Technology Year 8

Aims for the Year

Understand the developments in Computer Aided Design (CAD) and Computer Aided Manufacture (CAM), and how it impacts design. Also the impact of globalization on the design industry.

Modules/Units to be Covered

Key Learning covered:	Assessment will be:	Revision & resources	Further Reading	How parents could support students
Moral, social and cultural influences on design	Via homework task, Class contributions	Watching news outlets/feeds		Discuss current affairs with students.
Advantages and disadvantages of CAD/CAM	Summative at the end of the task	Google sketchup		
Developing skills with CAD	Assessment of final outcome: Tools used, Creativity, Challenge.		Technologystudent.com	Download Google sketchup or other freed to use CAD packages.

Students will regularly complete "Directed Reflection & Improvement Time" (DIRT) within modules of work



Key Stage 3 Curriculum - Year 9
Design Technology Year 9

Aims for the Year

Improve creative thinking and looking at the constant evolution of a product and its impact on sustainability and the environment.

Modules/Units to be Covered

Key Learning covered:	Assessment will be:	Revision & resources	Further Reading	How parents could support students
Product analysis	Written task.			Ask questions and encourage students to think why, is it like that, how is it made?
Quick concept generation	Quantity of designs produced.			
Reviewing ideas for suitability	Final solution developed			
Developing and improving a product, based on customer feedback	Final working solution			

Students will regularly complete "Directed Reflection & Improvement Time" (DIRT) within modules of work