



Design Technology

Department Details



The Design Technology Department currently has eight teaching staff (including two Textiles specialists) supported by one full time and one part time technician.

As with any school in recent times the department has seen much change with new courses at KS4 and 5 and new Programmes of Study at KS3. These changes and challenges have strengthened the team, added to the wealth of expertise already in the department and broadened pupil opportunities.

One of the most significant changes has been our move to a new purpose-built department building with four workshops all kitted out with new machinery, a CAM room, IT suites, and a staff work room. It makes for a safe and stimulating working environment for students and staff and an exciting opportunity for a new member of the team to make their mark.

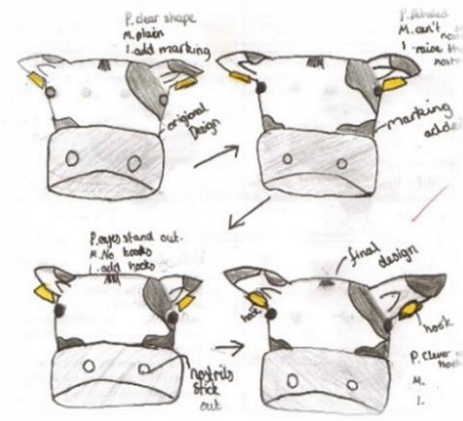


Key Stage 3

Groups are taught in mixed ability groups of approximately 20-22 pupils. Each project follows the design process placing emphasis on designing skills and the safe manufacture of high quality products.

Year 7

This project is based around 'designing for self' and involves pupils designing and manufacturing an animal themed coat hook and desk tidy.



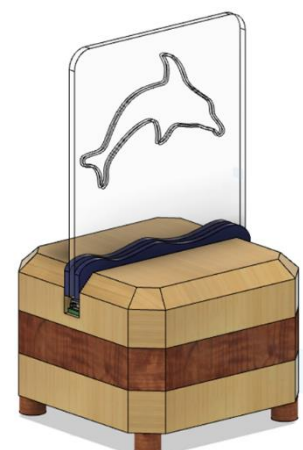
Year 8

Pupils consider ‘designing and manufacturing for community’. They produce promotional merchandise for ‘Love the Lune’ including a Lunesdale themed clock and periscope.



Year 9

Pupils focus on 'designing and manufacturing for commercial production' and 'designing for sustainability', producing travel games using CAD/CAM and lamps using repurposed and recycled materials.

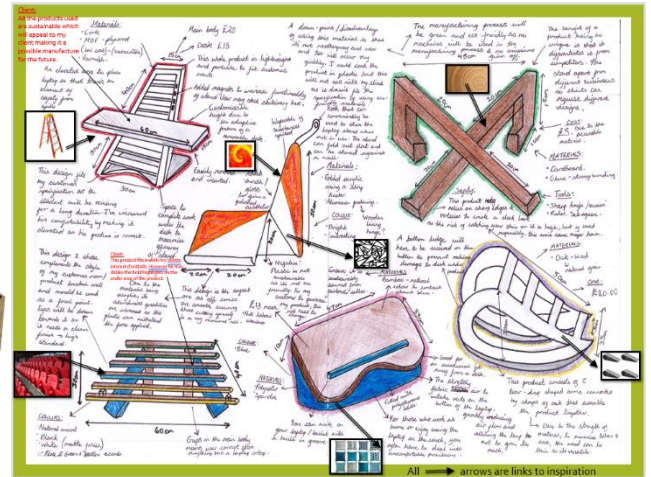


Key Stage 4

In years 10 and 11 we follow the AQA Design Technology course for GCSE.

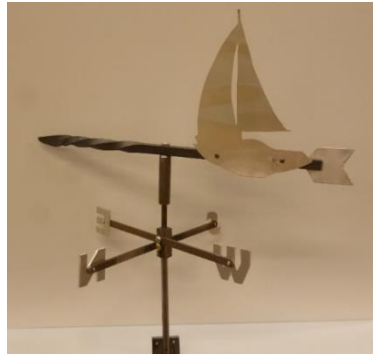
Year 10 is based around product design and manufacture to build up a solid foundation of skills and theory in preparation for the NEA in year 11.

These photos show some GCSE NEA product examples.



QESstudio Materials Engineering

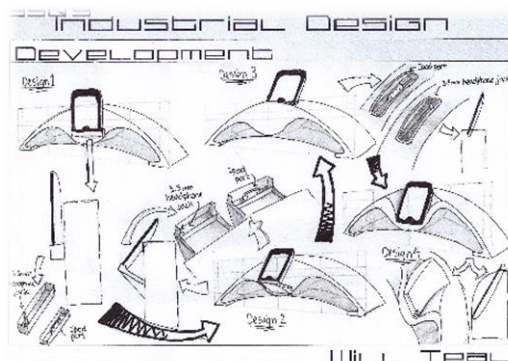
The Materials Engineering course is unique to the LLT and is aimed at pupils who want to enter the world of work through apprenticeships and hands on employment. The key qualification in the course is the AQA Unit Award Scheme (UAS). Pupils can enter an unlimited amount of units to develop their personal skill set with certification awarded by the exam board. Other features of the course include a yr 11 personal manufacturing project and links with professional partners to develop skills and understanding of the world of work.



Sixth Form

We currently offer WJEC Product Design at A level and pride ourselves on our excellent results and the quality of design and manufacture that we produce.

After A level many of our students choose to continue their careers in design following a range of courses from graphic design to engineering and architecture to furniture design.



Overall, the Design Technology Department at QES has a hardworking, positive ethos, dedicated to mutual support and encouragement. We are sure that any member of staff entering this department will find a warm, welcoming atmosphere and an ethos conducive to a happy career supporting students through their DT learning.

Kate Vose, Head of D&T, October 2023