

Design Technology Department

At present, the Design and Technology Department consists of three qualified Teachers, an Instructor and one Technician. The team deliver KS3 and KS4 Design Technology, KS3 and KS4 Hospitality and Catering, KS4 Engineering, KS4 Hair & Beauty and KS4 Child Development. We are a close-knit team that work well together for the benefit of our students.

In November 2016 we moved into a new school building with new facilities. The DT team have pride of place in the new school with ground floor facilities that are on display at every school open event. We have developed multi-functional spaces for the 'hard-hat' technology subjects, allowing for a fluid 'design and make' environment. The Hospitality & Catering room has recently had significant investment, allowing students to access industrial standard equipment.

DT lessons give students access to a range of software, including Google Classroom and the Google Suite alongside specialist software. 2D Design, Circuit Wizard and SolidWorks are used in the design and make spaces. CNC Machinery consists of a router, lathe, 3D printers and a laser cutter. In addition to using modern manufacturing processes we continue to teach some hands-on practical making skills, using a wide range of machinery and equipment in order to fully engage our students.

Our vision is to inspire as many students as possible in DT lessons and provide them with progression pathways in KS3 and KS4. Additionally, we want to attract more girls into Engineering and more boys into Hospitality and Catering. We have extensively planned our curriculum and teaching resources to take into account collaborative learning, new assessment systems at KS3 and to prepare for the new GCSE and vocational specifications at KS4. As a team we work closely together to address these challenges. There is still significant room for further improvement within the department and for someone to 'make their mark' in terms of boosting student uptake further, resourcing schemes of work, developing enrichment activities and maintaining the passion for the subjects delivered in the department.

At KS3, we follow agreed schemes of work and all teachers are involved in writing these. We deliver two lessons per week of DT using a rotational delivery model to prepare students for the KS4 specifications and provide effective progression using practical application of skills.

Students pick options in Year 8, so from Year 9 onwards we have three years to deliver KS4 courses. Our current KS4 course offer consists of OCR GCSE Design Technology, VTCT Hair and Beauty, NCFE Tech Award in Engineering, WJEC Food and Nutrition and BTEC Award in Child Development.

We also invest our time in high quality enrichment activities. In the students first competitive year, the Baysgarth GreenPower F24 racing team, reached the 2019 International Final at Silverstone. Baysgarth students have also hosted a pop-up restaurant with the support of chef and TV presenter, Mark Lloyd.

First, and foremost, we are looking for a colleague with a passion for education who has the skills to support and inspire both staff and students, while always putting students first in their professional practice. "I shall either find a way or make one", is our DT Department motto. If you believe the impossible is possible, then you will be a welcome addition to the DT Department at Baysgarth School.