

TECHNOLOGY DEPARTMENT

The department consists of a Head of Department (Ms V Smith), Head of Food Technology (Mrs L Bibby), four experienced DT and Food teachers and three technicians. We are passionate, hardworking, enthusiastic and a forward thinking team with a real passion for Design and Technology exposing pupils to the benefits of design thinking and new and emerging technologies. This is achieved through extensive subject knowledge and sharing our experiences with pupils to develop their own passion for learning the subject.

The Design and Technology department has two workshops, dedicated CAD classroom, two food rooms and a CAD/CAM hub. All pupils have access to high spec laptops with 2D Design, Photoshop, Solidworks and Yenka software installed. The CAD/CAM hub is accessible to pupils and consist of two 3D printers, CNC Router, laser cutter and CNC engraver. All classrooms have interactive whiteboards with speakers, data projectors and visualisers, which can be linked to the teacher's laptop.

There are challenging and enriching schemes of work in place for KS3, which follow a comprehensive and progressive curriculum map with a focus on recalling knowledge and skills. Pupils study three projects per year and receive one hour per week of Design and Technology and one hour of Food Technology. Projects follow a design and make principle and there is no cost to the pupils. Pupils in year 8 are given an opportunity to opt for either STEM or Materials Technology to study in year 9 to prepare them for their options at KS4.

At KS4 pupils study for 3 hours per week. We currently offer, OCR GCSE Design and Technology, Food and Nutrition, BTec Engineering and Educas in Construction.

Health and Safety training is completed annually.

If you would like any further information, please contact the Academy.

Victoria Smith
Head of Technology
April 2021