Year 7 Design & Technology

Our Design and Technology faculty consists of two workshops, electronics room, a food preparation room and a computer suite. There are three full time Design teachers in our faculty. The Design and Technology faculty aims to combine enthusiasm, creativity, and knowledge whilst promoting crucial life skills, and excellence across the whole age and ability range in Food & Nutrition and Design and Technology.

What will I study?

All of the design subject areas have been updated and developed to match the requirements of the National Curriculum. At Key Stage 3, students experience Food & Nutrition, Design (using wood and plastic), Graphics and Electronics. Computer Aided Design is taught in all years with, 2D Design, TechSoft and Google SketchUp.

As part of their work with food, students will be taught how to cook and apply the principles of nutrition and healthy eating, preparing students for now and in later life. In all of the subject area's students experience activities such as designing, making and evaluating products. Learning to use small and large equipment, computer aided design and developing production techniques.

How will I study?

Our Design and Technology staff encourage active learning by demonstration, modelling of ideas, discussion and participation in group or pair work. Increasingly, we are using computer programmes and computer aided design to stimulate student interest and enhance their learning opportunities. Students are expected to produce interesting design ideas, and to plan and make the end products. Throughout this process, students will develop skills of analysis, assessment and evaluation so that they are able to offer sound opinions based on facts. The students will have the opportunity to use the laser cutter and a range of hand tools and equipment to produce creative and imaginative final products.

How will I be monitored and assessed?

Students are given opportunities to reflect and respond to improve in each subject area. The teachers assess work regularly and at the end of each module, students are tested. Students also carry out a self-assessment. At various times of the year, folders are carefully monitored by staff to ensure that all students are working to their full potential.