

DESIGN & TECHNOLOGY at St George's College, Weybridge

Currently our Design and Technology provision incorporates Food and Nutrition and Resistant Materials at Key Stages 3 and 4, with A-Level Product Design being introduced from September 2019. We are looking to appoint someone who is enthusiastic about Design Technology and enjoys teaching the subject to all abilities. The capability to teach to GCSE is essential and to A level is desirable and there is an expectation to take on some specific responsibility within the Department.

We offer Resistant Materials at Key Stage 3 to our Second and Third Year students, on a carousel. At St George's, we follow the WJEC Eduqas GCSE Design and Technology course with our Fourth and Fifth Years and typically have around 15-19 students in each year group opting to study the subject to GCSE.

At Key Stage 3, students study a range of projects. Second Form students are introduced to the basics of accuracy in measuring and marking out prior to learning the skills required to cut and shape resistant materials with a range of hand and power tools. Mechanical principles are introduced, developing the knowledge bank required to design and manufacture useful and purposeful products in future. The Third Form further build on these skills with the introduction soldering and more detailed consideration of packaging all the components of a product. Considering the battery, PCB and speaker positions with respect to the needs of the user helps students to realise the more subtle and complex issues surrounding design. Graphical techniques to develop their freehand sketching as well as technical drawing are built upon as well as 2D and 3D CAD software to develop their design ideas. Rapid prototyping is available on the school's 3D printers and laser cutter. These CAM processes compliment the hand skills taught alongside and allow our students to feel confident to undertake a GCSE in this subject when they reach the Fourth Form.

This is a department which achieves good results, where the ethos is founded on teamwork between teacher and technician instructor and in positive, helpful relationships with students. The department is expected to contribute to the various activities available, including surgeries and revision classes to support GCSE students, as well as sessions for Controlled Assessment.

Students are offered a variety of ways to learn, e.g. with hands-on projects and practical exercises. The VLE is used extensively, both for resources and to set homework tasks and track achievement. There is a department office shared with the Computer Science staff, and teaching takes place in workshops, an IT suite and design room.

Continuous professional development is crucial in this fast-moving subject. Members of the department are encouraged to keep updated on the examination system and attend conferences and courses. We feel that an enthusiasm for learning new skills helps us to engage our students and keep lessons fresh and relevant. We aim to give students the familiarity and confidence in using industry-standard techniques and so prepare them well for their future.

ADDITIONAL SPECIFIC RESPONSIBILITIES

- a) To be a Tutor to an assigned Tutor Group and to carry out related duties in accordance with the general job description of Group Tutor including implementing the PSHE programme.
- b) To carry out supervisory duties in accordance with the DH Staff's Supervision Rota. This amounts to the equivalent of 1.5 Term's worth of duties, spread throughout the 3 x Terms. Duties are scheduled to avoid clashes with other areas of responsibility.
- c) To make a significant contribution to non-departmental extra-curricular activities, in addition to the above. Core contribution is defined as the equivalent of 1 x Term's Saturday Sport; this can be met in a variety of ways, including 1 x evening of contribution across 3 Terms, depending on the nature of the activity. Co-curricular contributions which exceed this can be eligible for additional remuneration but this will need to be negotiated with the Head of Co-Curricular and DH Staff, once in post.
- d) The school has a House system and all staff are members of a House and expected to support its activities.
- e) All staff are expected to supervise EPQ students if required, as all students in the Sixth Form undertake this qualification.

CONDITIONS OF SERVICE

The salary will be dependent upon experience and qualifications. The College participates in the Teachers' Superannuation Scheme. The College adheres to the current statutory requirements for retirement procedures.

APPOINTMENT PROCEDURE

A completed Application Form, C.V. and a brief covering letter, together with the details of two referees should be forwarded to:

The Headmistress; St George's College Weybridge, Weybridge Road, Addlestone, Surrey KT15 2QS or by email to: headmistress@stgeorgesweybridge.com.

St George's employs personnel who are best qualified for the post without any discrimination in favour or race, colour, gender or national origin. All staff must be able to support the Mission Statement of the school.