



# Valentines High School

## Design & Technology DEPARTMENT

Dear Applicant,

The Design and Technology department at Valentines High is housed in a suite of rooms comprising three purpose built multi-purpose workshops, a graphics/ICT room, two food rooms, one textiles rooms and separate material preparation areas. The school gained Technology status in September 2001 and the department, as a consequence, has undergone substantial upgrading and investment.

A highly skilled and dedicated technician is required to support teaching staff in all aspects of lesson preparation. The successful candidate will be able uphold the very highest quality technology learning environment and utilise the outstanding CAD, CAM and Industrial facilities that we have available to provide technical support at Key Stage 3, Key Stage 4 and Key Stage 5.

The successful applicant must be aware of the latest curricular changes and help to develop courses already on offer in keeping with the requirements of the National Curriculum Programmes of Study. They should have a passion for the subject and continue promoting this popular and successful subject amongst the Learners.

We seek to appoint an ambitious and enthusiastic professional who will contribute to maintaining the success of this flourishing department and help to develop creative projects that will capture the imagination of our learners.

At key stage 3 Years 7, 8 and 9 are taught in mixed ability groups. At GCSE the department offers Electronics, Graphics, Product Design, Food and Textiles. Product Design and Textiles are offered at AS and A2 level. An investigative, experimental approach to learners work is encouraged, in addition to ample opportunities for developing practical skills and knowledge within design and makes tasks.

The department is very well resourced and facilities include.

- 4 Mercury Laser cutters.
- 3 Da Vinci Jr 3D printer.
- Horizontal CNC router.
- Cannon Large format printer
- PCB etching station.
- Injection moulding centre.
- Brazing Hearth & Metal Crucible
- Traditional machinery including Metal lathes/ pillar drills/band saws/circular saws/ vertical and disc sanders
- CNC sewing machines
- A rollo oven that replicates industrial batch producing food products.
- Ricoh sublimation printer and heat press.
- Suite of Computerised Embroidery Machines.