



Head of Department: Mr S Jenkins

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Level and Exam Board:

GCSE - AQA

Aims of the Course:

- To enable students to design and make products with creativity and originality, using a range of graphic and modelling materials
- For students to be enthused and challenged by a range of practical activities
- To learn to use, understand and apply colour and design, to develop spatial concepts, and to understand graphic materials and their manipulation.

Course Outline:

Students learn through a range of activities and mini projects.

**Design & Market influences including:** Designers, Techniques and Processes, Sketching, Enhancement, Presentation, Pictorial Drawing, Working Drawings, Surface Developments, Paper Engineering, Information Drawing, Products & Applications, Evaluation, SMSC, Sustainability, ICT and Health & Safety.

**Manufacturing including:** Systems & Control and Industrial Practices.

Find out more...

Assessment Summary:

- 50% Coursework task chosen from a range of contexts set by the exam board, internally marked and externally moderated. Approximately 20 A3 sheets and a finished 3D product over approximately 45 hours
- 50% Written exam. 2 hours, including 1 question based on a theme set by the exam board prior to the exam

Equipment/ Suggested Resources:

All equipment is provided in school, although the following may be helpful:

Drawing equipment – 2H pencil, eraser, 30cm rule, technical compass, set squares (45' and 60') technical drawing pens, coloured pencils.



Useful Websites:

[www.aqa.org.uk/designandtechnology](http://www.aqa.org.uk/designandtechnology)

Department Facilities:

The technology department at Stratton is well equipped with four laser cutters, a CNC milling machine, dedicated ICT rooms, large workshops containing new hand tools, Pillar drills, vertical sanding machines, work benches

Career Relevance:

Students will find the course appropriate to a range of career choices where the ability to communicate through drawing and modelling is beneficial.

Interior Design, Product Design, Graphic Design, Architecture, Engineering.