D & T

WILLIAM BROOKES SCHOOL

D & T

Parents' D & T Guide
2009 - 2010

MAIN AIMS

- To promote the development of curiosity, creativity, initiative, ingenuity and discrimination.
- To develop a range of research, analytical, communication, making and evaluation skills through problem solving activities.
- To encourage students to relate their work to their personal interests and abilities and to derive satisfaction from the processes of creative work.
- To encourage attitudes of co-operation and shared responsibility through the discipline of a safe working environment.
- To develop an awareness and aesthetic appreciation of the man-made environment.
- To stimulate an awareness of the potential of new technologies and an understanding of the social implications of scientific and technological advance.

D & T STAFF:

Mr H Ali	Head of Department, Graphics
Mrs S Hayward	Textiles
Miss A Simmill	Food
Mrs E Wild	Resistant Materials, Systems & Control
Mr T Dodswell	Technical Support
Mrs J Dorricott	Technical Support
Ms V Robbins	Teaching Assistant

ACCOMMODATION AND RESOURCES

The Department has a variety of specialist resources to enable students to experience a wide range of work. These include specialist rooms for resistant materials, food, textiles, and graphic design.

All areas have access to ICT equipment, forming an important resource used in the development of coursework at all levels. Applications include its use in Graphic Design, Textiles and 3D Design, with CAD/CAM an integral part of students work. Milling/engraving, laser cutting and vinyl cutting form the basis of the schools ongoing manufacturing developments which will be carried forward into the new school.

SPECIAL FEATURES

The Department is continuing to develop a collaborative approach which enables students to gain access to a broad range of facilities, staff expertise and materials as the need arises.

VISITS AND CONTACTS

The Department is well aware of the importance of enhancing the learning experience through the use of contexts external to the school. We recognise the need to move progressively from the familiar to the unfamiliar context. Information-gathering visits may be used to further and enhance projects. In addition, use is made of visitors who can help in a variety of ways. Inputs have included speaking to groups, working alongside individuals, workshops

CURRICULUM

NATIONAL CURRICULUM

All areas of the Department play a vital role in delivering Technology in the National Curriculum. Programmes of study are delivered to Year 7, 8 and 9 students through a broad Foundation course planned to take account of the need for progression and differentiation.

LOWER SCHOOL COURSES

Students in Years 7 to 9 have the opportunity to work in different specialist areas including Resistant Materials, Systems and Control, Food, Graphics and Textiles. Design and technological capability is developed through production focused practical tasks and designing and making assignments, employing a problem-solving approach and drawing on a wide range of materials and processes.

SUBJECTS OFFERED AT GCSE

In Years 10 and 11, students follow AQA GCSE Design & Technology, specialising in one material area from Food, Textiles, Resistant Materials, and Graphic Products.

SIXTH FORM

The Department offers AQA Product Design at AS and A2 Level. We are hoping to run a Textiles course in 2010.

CLUBS AND COMPETITIONS

The department assists Lower Sixth students taking part in the Engineering Education Scheme, working with a local company in order to develop a solution to a real engineering problem.

Club activities this year are based around textiles and model making. We are involved with the Ludlow Food Festival, and annually exhibit at the West Midlands Show.

There are many and varied opportunities for students to pursue further interests in design and we positively encourage students to undertake work outside lesson time as well.

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