

BGE 3rd year

Department: Design Technology

BGE Course: Design and Manufacture

Brief Description of Course:

This course involves you in writing, drawing, sketching, developing design techniques and manufacturing the item you have designed. It also requires you to develop a knowledge of design factors, idea generation techniques, different material types, an understanding of industrial processes and three dimensional modelling techniques.

Method of Assessment:

- A full 6 page folio based on the re-design of a current product
- Small modelling based tasks based on design ideas
- Fully working prototype based on design ideas
- Design factors workbook

Pupil Commitment:

You will be expected to complete in the classroom a number of design folios and practical projects linked to your design work. Class work and homework tasks based upon Design Factors, Design process as well as material and manufacture methods.

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BGE Course: Graphic Communication

Brief Description of Course:

The course introduces you to many of the methods used by architects, designers, engineers etc. to interpret, pass on and display information. The use of professional computer-aided design, design/graphic programmes, graphic/technical drawing techniques and presentation skills will be part of this course.

Method of Assessment:

Completion of manual 2D and 3D based drawing units

Completion of 2D and 3D drawing based units on computer aided design (using a variety of software programmes)

Class work based upon the 3 P's of Graphics—Preliminary, Production and Promotional.

Pupil Commitment:

You will be expected to complete a range of drawing tasks using both computer aided design and manual techniques. Application and understanding of the different software packages used throughout the course.

Class work and homework tasks based around the 3 P's of Graphic Communication.

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BGE Course: Practical Woodworking Skills

Brief Description of Course:

This is a practical course which develops manufacturing and workshop skills. The course promotes an understanding of manufacturing processes through practical modelling, tool identification, machining, measuring, accuracy and finishing. Tasks are carried out under the Guidelines for Health and Safety in the workshop.

Method of Assessment

A range of different practical projects which cover a wide range of wood joints and machining methods.

Main areas covered include carcass construction, flat-frame and machine and finishing.

A log book of pupils work is also expected to be filled out during each project.

Pupil Commitment

All pupils are expected to work in a safe and conscientious manner.

Pupils are expected to measure accurately as this is essential for success in this course. This course is suitable for anyone considering a career in the construction industry and for those interested in DIY.