

A LEVEL DESIGN & TECHNOLOGY

Exam Board: AQA

Syllabus Code: 7552

process, but that good design always addresses many issues.

Entry Requirement

Boys must have studied GCSE Design & Technology and achieved a minimum of a grade B/6.

Introduction

A Level boys are encouraged to take a broad view of design and technology, to develop their capacity to design and make products and to appreciate the complex relations between design, materials, manufacture and marketing.

The course continues to provide boys with the opportunity to solve a problem, design and make a product. Boys are encouraged to develop their own thoughts and ideas about design. Central to the ethos of the department are Dieter Rams' 10 Principles of Good Design which are used to develop critical thinking of boys' own work and that of others.

Syllabus Content

The syllabus content is divided into two sections:

- Technical principles
- Students are expected to be able to name specific materials for a wide range of applications. They must also be able to provide detailed and justified explanations of why specific materials and combinations of materials are suitable for given applications.
- Designing and making principles
- Students should be aware of, and able to explain, different approaches to user centred design. That in approaching a design challenge there is not a single

Coursework

Coursework is a large component of the subject. All boys are given the opportunity to tackle a design problem of their own choice, together with enough time to explore and develop an effective solution to that problem. The range of projects are wide ranging and include architecture, environmental, furniture, product and transport design.

Boys are encouraged to tackle projects that support their choice of university course/career and to work with a client.

Coursework is assessed against the following areas:

- Identifying and investigating design possibilities
- Producing a design brief and specification
- Development of design proposal
- Development of design prototype(s)
- Analysing and evaluating

Assessment

50% coursework and 50% examination

Note

It is possible to take both Art and D&T in the Sixth Form. However, it is also the case, and boys should be aware, that both subjects have high expectations with regards to coursework and regular attendance of after school opportunities is essential for this particular combination.