

## **Technology – Resistant Materials Year 11 OCR board**

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### **When coursework set**

The coursework will commence around May 2009.

### **When is the coursework due?**

There are six objectives which make up the GCSE coursework projects. The deadlines for these objectives are as follows:

Objective 1: May 2009

Objective 2: June- July 2009

Objective 3: September 2009

Objective 4: October – November 2009

Objective 5: February 2010

Objective 6: March 2010

### **How many pieces of coursework in total?**

The students will complete a minor project between September 2008 and May 2009. This gives the students the opportunity to learn and develop the key skills and processes necessary when undertaking the major project. (This project will not be part of the overall GCSE grade).

The students then complete 1 major coursework project which includes the design folder and finished product. This is made up of 6 objectives and is worth 60% of the overall GCSE grade.

### **In class or completed at home?**

Coursework is to be completed at school under teacher supervision. Students may be asked to come at lunchtimes or after school to complete any unfinished tasks.

Students may need to work outside of the classroom. This is acceptable provided that the teacher has supervised them carry out a significant portion of the work in class and is happy that the quality of the work submitted is of an identical standard as seen in class.

### **Brief description of coursework (task, length and expectation).**

The 6 objectives which make up the GCSE coursework are broken down as follows:

Objective 1: Identification of a Need or Opportunity Leading to a Design Brief. (4 marks).

Objective 2: Research into the Design Brief which Results in a Specification. (12 marks).

Objective 3: Generation of Design Proposals. (12 marks).

Objective 4: Product Development. (12 marks).

Objective 5: Product Planning and Realisation. (52 marks).

Objective 6: Evaluation and Testing. (8 marks).

### **What parents can do to help**

Homework is an essential part of increasing the student's knowledge and understanding of the subject, as they are likely to be set as examination questions. Parents could ensure that all homework is completed.

### **Percentage of coursework as part of the final exam.**

The coursework is worth 60% of the total GCSE grade. The remaining 40% will be made up of the two examinations which will take place in Year 11.

Students may be put forward for either the higher or Foundation papers. (Student can only receive a C grade if the Foundation paper is taken). The higher paper is one hour fifteen minutes (15 minutes longer than the one hour foundation papers).

All papers have five questions worth ten marks each and these are divided into several sub-sections. The questions will increase in difficulty through the paper and questions will focus on designing and making, industrial practices and the affects of D&T on society. There is also a product analysis question which will be based on a theme set by the exam board. Students will carry out research into the given theme prior to the examination.

### **What students need to be able to complete coursework (resources/books/tools etc)?**

All students will need access to a computer at school or at home. **Learning point** is regarded a great benefit to the students and they can access specialist software and work completed at school, from home.

The students will be required to buy an A3 plastic flip folder to present their work. They will also need to purchase their own material final products in year 11.

Access to a camera is useful as the photographic resources at the school are limited.

### **Are there any revision guides recommended and where can I buy them?**

The Technology Department has a supply of subject specific Lonsdale Revision Guides for sale to the students at the price of £4.

There are also OCR Resistant Materials text books available in most major books shops (boarders, Waterston etc).

Useful websites also include:

[www.technologystudent.com](http://www.technologystudent.com) and [www.bbcbitessize.com](http://www.bbcbitessize.com)

### **Where can I get extra information?**

For further information about examinations and coursework go to [www.ocr.org.uk](http://www.ocr.org.uk)