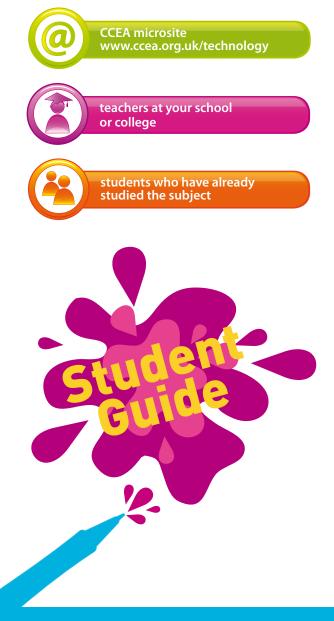
Q. HOW CAN I FIND OUT MORE?

There are a number of ways that you can find out more about Technology and Design. These include:









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REVISED GCSE STUDENT GUIDE TECHNOLOGY AND DESIGN

For first teaching from September 2009 For first assessment from Summer 2010

For first award in Summer 2011



GENERAL INFORMATION

Technology and Design allows you to learn about Systems and Control or Product Design. It also provides a good foundation if you would like to study technology and design related subjects at a more advanced level.

WHY STUDY TECHNOLOGY AND DESIGN?

It's fun to design and make:

- · you get to create your own product or system;
- you get to work with tools and machines;
- you get to use graphics, and other methods, to communicate your design ideas;
- you get to make links between products and the impact they have on daily life;
- you get to develop your decision making skills; and
- you gain insight into related sectors such as manufacturing/engineering and the career paths they have to offer.

WHAT WILL I STUDY? OVERVIEW

Technology and Design is split into five units

- three units are compulsory; and
- one from two optional units is compulsory

You must complete Unit 1: Technology and Design Core, Unit 4: Design Assignment and Unit 5: Design Project.

You must complete either Unit 2: Systems and Control or Unit 3: Product Design.

Q. WHAT WILL I STUDY?

This is a core unit and is compulsory. In this unit you will learn about:

- Manufacturing;
- Electronics;
- Mechanical control systems;
- Computer control systems; and
- Pneumatic systems and control.

You must complete either **Unit 2**: Systems and Control or **Unit 3**: Product Design.

In Unit 2: Systems and Control there are two elements. You will choose either electronic and microelectronic control systems or mechanical and pneumatic control systems.

In Unit 3: Product Design you will learn about:

- Designing and innovation
- Materials, components and fabrication
- Manufacturing practices; and
- Social responsibility of product design and market influences.

This is a compulsory unit. This unit enables you to demonstrate your capability to design a product under controlled conditions.

Unit 5: Design Project



This is a compulsory unit. This unit enables you to demonstrate your ability to design and manufacture a product in either a Systems Design and Manufacturing or a Product Design and Manufacturing element under controlled conditions.

Q. HOW WILL I BE ASSESSED?

There are two external assessments worth 20% each and two controlled assessment tasks, one work 20% and the other worth 40%.

TYPE OF ASSESSMENT	
Unit 1: Technology and Design Core	You will sit a 1 hour external examination paper worth 20% of the overall GCSE qualification.
Unit 2: Systems and Control	You will sit a 1 hour external examination in the element that you have studied. This is worth 20% of the overall GCSE qualification. The paper is split into:
Technology and Design Ql. (a) (b) (c) (d)	Electronic and Microelectronic Control Systems; and Mechanical and Pneumatic Control Systems
Unit 3: Product Design	You only complete the element you have studied.
Unit 4: Design Assignment	You will complete a Design Assignment which is set by CCEA. This controlled assessment is worth 20% of the overall GCSE qualification.
Unit 5: Design Project	Systems Design and Manufacturing Project or Product Design and Manufacturing Project.
	This controlled assessment is worth 40% of the overall GCSE qualification.



Technology and