

# AS/A2 INFORMATION AND COMMUNICATION TECHNOLOGY

## Entry requirements:

Grade A\* - C GCSE ICT, OR grades A\* - C in Business Studies, Maths, English and Science.

## Examination board:

AQA

## Teachers:

Mrs C Brokenshire and Ms C Jacobs

## Timetable organisation

### AS Units

**Unit 1 Practical Problem Solving in the Digital World** Theory and Case Study

**Unit 2 Living in the Digital World** Theory

### A2 Units

**Unit 3 The Use of ICT in the Digital World** Theory and Case Study

**Unit 4 Coursework: Practical Issues Involved in the Use of ICT in the Digital World**

## Main Syllabus areas

**Practical Problem Solving in the Digital World** - students will gain practical experience of using a wide range of hardware, software and communication technologies, so that they can apply transferable skills, knowledge and understanding gained from this practical work to the solution of problems.

**Living in the Digital World** - designed to give students the wider picture of the use of ICT, to enable the understanding of basic terms and concepts involved in the study of the subject.

**The Use of ICT in the Digital World** - this module looks at the fast changing subject of ICT, including developments in technology and ICT system capabilities, and how this might affect the world that makes use of ICT. The content is designed to address issues associated with the management of ICT and its use within organisations.

## Main Syllabus area (cont..)

**Coursework:** Practical Issues Involved in the Use of ICT in the Digital World - this module provides candidates with the opportunity to complete a project involving the production of an ICT-related system over an extended period of time and in so doing candidates will enhance their transferable practical skills.

## Method of assessment

**AS Unit 1** Exam 25% A2, 50% of the total AS

**Unit 2** Exam 25% A2, 50% of the total AS

### A2 Units

**Unit 3** Exam 30% of the total A level marks

**Unit 4** 20% of the total A level marks

## Qualities required

Students who have the willingness to develop their knowledge and understanding of the development of ICT systems through practical experience and through using a range of applications software. The motivation to apply the skills, knowledge and understanding gained from this practical work to the solution of problems.

## Links with other subjects

This course will encourage students to think creatively, innovatively, analytically, logically and critically as they consider and suggest alternative approaches, investigate and discuss possibilities and recommend actions to be taken. For these reasons, computing is as relevant to a student studying Arts subjects, as it is to one studying Science subjects.

## Career prospects

The course is designed for students who wish to go on to Higher Education or to the world of work where understanding how ICT can be used in society and organisations, and the implications of its use, will be a valuable asset.

## Extension and enrichment opportunities

Be able to gain further project management and transferable practical ICT skills.