

# IGCSE INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) - 0417

## Why should I choose ICT?

Studying IGCSE Information and Communication Technology (ICT) will help you to develop lifelong skills, including:

- understanding and using applications such as word processors, spread-sheets and databases
- using ICT to solve problems
- analysing, designing, implementing, testing and evaluating ICT systems to ensure that they are fit for purpose
- understanding the implications of technology in society, including social, economic and ethical uses
- an awareness of the advantages and disadvantages of ICT in the home, learning and work environments.
- Providing tools you will need for your next steps in education or employment.

## Course content

### How will I learn?

You will be building up your knowledge and understanding of ICT through theory work and developing practical skills in the use of ICT tools including using different types of software.

Year 10: Document production; Data manipulation; Presentations; Graphs and charts; Types and components of computer systems; Input and output devices; Storage devices and media; Networks and the effects of using them; The effects of using IT; ICT applications

Year 11: Data analysis; Website authoring; The systems life cycle; Safety and security; Audience; Communication; File management.

The school uses Microsoft Office applications to teach the practical aspects of the course.

### How will I be assessed?

All candidates will be entered for papers 1, 2 and 3.

**Paper 1** A written paper of 100 marks with most questions requiring a short response but with more extended responses required for some questions. The questions will test knowledge and understanding of the curriculum content. (2 hours) (40% of final mark)

**Paper 2** A test of 80 marks assessing practical skills in document production, data manipulation and presentations. (2 hours 30 minutes) (30% of final mark)

**Paper 3** A practical test of 80 marks assessing practical skills in data analysis and website authoring (2 hours 30 minutes) (30% of final mark)

The two practical tests will each comprise a number of tasks to be taken under controlled conditions. The practical tests focus (although not exclusively) on the candidate's ability to carry out practical tasks rather than to explain the theory of how the tasks are completed. Candidates are assessed on their ability to complete these tasks.