

# Information & Communication Technology (ICT)

## Key Stage 3

In Years 7 and 8, we have rebranded ICT as Digital Competence. The main ICT skills taught are through the use of the following Microsoft products:

- Powerpoint and Publisher for presentations
- Word for Desktop publishing
- Excel for spreadsheets
- Access for Databases



The schemes of learning embed the above skills into the following cross-curricular themes and projects.

## Year 7

In Year 7, our learners research and present information on internet safety, create a spreadsheet model to promote the 6 Nations rugby, research renewable energies and create a database on internet use per country.

## Year 8

In Year 8, our learners turn detective as they use a database to solve a murder, create a research topic based on mobile phone use and associated social dangers, learners finish the year developing a speed awareness project in graphics and animation.

## Year 9

Learners in Year 9 create projects similar to those studied in the ICT GCSE. This includes communicating information, spreadsheet modelling and data handling. Learners develop a project based on promoting a local charity or social group, creating posters, presentations, a costs spreadsheet and members' database.



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## Key Stage 4

A qualification in Information & Communication Technology can open up an increasing number of career opportunities for pupils. Technology advances quite rapidly and industry is making full use of the available technology in today's global workplace.

Career paths include: telecommunication infrastructure, telecommunication design, telecommunication repair and development, software/games design and development, software/games programming and testing, computer hardware design and development, system analysis and design, system integration and of course teaching ICT.

ICT is an enjoyable and important addition to your GCSE results. It will be a useful addition in any choice you make when you leave school.

## GCSE Information & Communication Technology

GCSE ICT is a linear course where pupils sit both exams at the end of Year 11.

Pupils are required to complete Unit 1, Unit 2, Unit 3 and Unit 4.



Unit 1	Single Award	Marks
External Exam – Understanding ICT. Assesses KS4 and also functional elements of ICT in a home and a school context. (1½ hours)	20%	80
Unit 2		
Practical, Controlled Assessment – Solving Problems Using ICT. A portfolio of the pupils work which shows how they research, obtain, interpret, use, develop and present information. Assesses the functional aspects of ICT. (22½ hours)	30%	80
Unit 3		
External Exam – ICT in Organisations. Assesses how ICT is used in a business and industry context. (1½ hours)	20%	80
Unit 4		
Practical, Controlled Assessment – Developing Multimedia ICT Solutions. Pupils develop a piece of work using multimedia software following a task which will be given to them by the WJEC (22½ hours)	30%	80