



KS2: Algorithms, E-Safety and Networks

KS3

Computing

YEAR 7

Digital Literacy: Skills in ICT.

How to stay safe online and to protect your personal information.



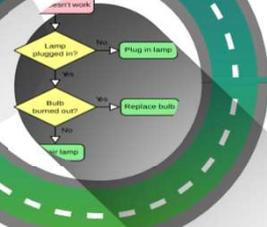
CS: Logic and History

Building a video on the ideas of the great computer pioneers



CS: Sequences and Program Structure

Flowcharts and basic programming concepts



ICT: Computers and Employment

The Career Opportunities in ICT and Computer Science

CS: Inside the machine

How the computer uses electricity to represent numbers and everything else



YEAR 8

ICT: The Internet

An online timeline to explain the milestones in the development of the web

CS: Python 1

An introduction to Python Programming



ICT: Spreadsheets

Learn to use spreadsheets to model and build scenarios



CS/ICT: Computer Hardware

Explain how the CPU of the computer works and interacts with other devices



CS: Computing Maths

Binary arithmetic, Boolean operators and Hexadecimal



Computing



YEAR 9

ICT: Website Project

Design a website for a target audience and follow a development methodology



CS: Python Part 2

Learn a more advanced set of Python skills and design your own program.

CS: Animation

Adobe Flash will be used to develop an animation improving awareness of issues around the use of IT



ICT: Networking and the future

An investigation into the development of networks and their sustainability.

GCSE?



GCSE Computer Science

This EdExcel academic GCSE course will teach you about the theory of Computer Science and how to program in Python

BTEC DIT L2

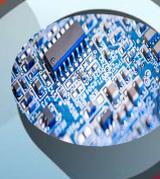
The Pearson Technical Award covers three main themes: User Interfaces, Presenting Data and Digital Working Practices



GCE?

BTEC L3 ICT

The Pearson L3 course looks at how business uses social media, the development of databases, the use of spreadsheet models and has a theory examination on hardware and networks



GCE Computer Science

2 OCR theory examinations on the technical side of Computers and a project for a real life user written in Python