A LEVEL COMPUTER SCIENCE

If you enjoy learning about the fundamental principles and concepts behind computing and how software is engineered, then Computer Science will stretch and challenge you, helping you to think creatively, analytically, logically and to apply practical mathematical skills.

Level 3 · A Level (or equivalent) · Truro College

TOP COURSE HIGHLIGHTS

DESIGN, PROTOTYPE AND REFINE | INDUSTRY STANDARD SOFTWARE | EXCELLENT TUTOR SUPPORT | INDUSTRY LINKS | COMPUTING ACADEMY

SPECIALIST SOFTWARE

Digital workshops offer all students access to develop skills in industry standard software including Visual Studio, containing .NET languages like Visual Basic and C# and python tools.

FRIENDLY AND EXPERIENCED STAFF

Computer Science lecturers are friendly, supportive, experienced in industry and hardworking. Achievement in this subject relies heavily on your attendance, punctuality and commitment to learning.

INDUSTRY LINKS AND PROGRESSION

Students make the step towards a career in industry by progressing into technology specialisms at university like cybersecurity or artificial intelligence or by working with local technology organisations.

WHY CHOOSE THIS COURSE?

The basis of this course is computation, both in theory and practice. Computer Science is an academic subject that requires you to be systematic and logical, and so often lends itself to the more technically minded student. The course will provide you with valuable skills in how we use programming languages and how digital technology is used. The many career possibilities that are available to you with Computer Science include system analysis, computer programming, animation and many more. Previous students now work around the world for companies ranging from Google to local businesses working with robotics and embedded systems.

WHAT WILL I LEARN?

You'll start off by developing practical skills in a range of programming code & languages principally Visual Basic and C#. You will have the opportunity to perform systems analysis, software engineering and program construction. Then you'll move on to learn how software interacts with hardware, in particular the role of the operating system, data structures and processes and how the principles of hardware impact on software and data communication. Later, you will discover how different types of software drive the digital economy and the implications of the digital revolution on the rest of society. You will also examine issues with digital security and undertake a major piece of independent coursework on a software problem of your own choice. As computers are now such an integral part of society, people with A Level Computer Science skills are in extremely high demand.

FOR THE LATEST COURSE INFORMATION
Scan for assessment arrangements, learner support, confirmed start dates and how to apply.

WHERE WILL IT TAKE ME?

Computer Science complements many courses, such as Physics, Electronics, Mathematics, Technology-related courses and other sciences. It could lead to a degree course in Computer Science, Networking, Cybersecurity or Robotics. Computer Science can open up employment routes into Engineering, Science or to be a programmer or software engineer.

ENTRY REQUIREMENTS

A Level Computer Science requires a systematic and logical approach to problem-solving. You will require five good grades at GCSE in line with general entry requirements for A Level, including English Language, with Mathematics at least a Grade 6. GCSE IT/Computer Science is not required, but a strong desire to develop skills in programming languages or previous experience is helpful.

IMPORTANT

Course information can change. Please use the QR code below for the current assessment arrangements, entry requirements and start dates.

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