



INFORMATION TECHNOLOGY

CAMBRIDGE TECHNICAL ENTRY REQUIREMENTS

1. Grade B or above in either ICT or Computer Science OR
2. Merit or above in WJEC Creative and Media or BTEC I&CT OR
3. Grade B or above in WBQ Skills Challenge Certificate

COURSE CONTENT

A qualification focused on building employability skills in the ICT and Computer Science sectors

The Cambridge Technicals qualification is designed to equip learners with the valuable skills they need in order to gain employment in the I&CT/Computer Science industries. Compulsory units identify the principles for effective communication and introduces learners to the interpersonal skills and attributes required within a work place. Learners will investigate what an employer expects of an individual and learn how to communicate effectively whilst developing their own personal development needs.

The course is 100% non-examination assessment, with individual teachers in the department taking responsibility for delivery of the different units. This means that good attendance is vital to success with this course: 100% of the work being delivered in lessons is formally assessed.

Course structure

The course comprises six modules Four of these are compulsory and decided by the school. The remaining two units include electives along two pathways depending on the career goal of the individual.

Pathway one - Computer Science

Students opting for this pathway will undertake two elective units covering the fundamentals of programming and gain an understanding of the key theoretical concepts underpinning Computer Science.

Pathway two - Information and Creative Technology

Students opting for this pathway will undertake two elective units in design for interactive media whilst developing skills in either website design or app development. Students will also develop a social media strategy for a local business.

CAREER OPPORTUNITIES

The Cambridge Technicals course provides learners with a vocational pathway into the IT industry. The qualification is fully recognised as a pathway to higher education: the course attracts UCAS tariff points that are an entry requirement for university study.

Previous students have secured university places at a variety of universities including Cardiff and UWE.

PROFILE

IT is at the heart of everyday life, at home, work and in our leisure time from computer graphics and control systems to communications and problem-solving, IT has an ever-increasing role to play. Caerleon is proud to offer the Cambridge Technicals Certificate (equivalent learning hours to AS Level) and Introductory Diploma (equivalent learning hours to A Level) in IT at Sixth Form. The qualification includes a choice of units meaning that students can choose to opt for either an Information & Creative Technology or Computer Science pathway depending on their individual career goals.

CONTACT

Subject Lead: Dr Jenkins

ASSESSMENT STRUCTURE

This course has NO examinations and is 100% coursework based.

Successful completion of 3 modules in Year 12 will result in the award of the Certificate (AS equivalent). Continuation into Year 13 will see the student study a further 3 modules to gain the Introductory Diploma (A Level Equivalent).

When applying for higher education study, the course attracts the following UCAS tariff points:

Certificate/Introductory Diploma

AS Equivalent/ A2 Equivalent

Distinction* 28 56

Distinction 24 48

Merit 16 32

Pass 8 16