Year 12
ICT and Computing

Introduction and Overview

Departmental Aims
- To deliver outstanding standards in teaching and learning throughout the curriculum.
- To develop pupils understanding of the impact that ICT has on society.
- To prepare pupils to embrace changes in technological advancements in ICT and Computing.
- Allow pupils creativity to flourish and give them high quality skills to compete in creative and technological industries.
- To develop pupils capabilities of computational thinking.
- Create strong cross curricular links to allow pupils to use their ICT skills as a means to progress in all other subjects.
- Give pupils skills to become safer more responsible users of digital devices.
- To develop a culture of life-long learning.

This qualification is for learners 16 years old or over who prefer to study IT in a context that allows them to learn and be assessed in ways that are practical and relevant to the IT sector.

This qualification is not just about being able to use computers, it is designed to give learners a range of specialist knowledge and transferable skills in the context of applied IT, providing them with the opportunity to enter an apprenticeship, move directly into employment, or progress to a related Higher Education (HE) course.

Students on this course will follow the Application Developer pathway, consisting of five units, made up of three mandatory and two optional units. At least two of these units will be externally assessed (external examination).

Typical job roles within this pathway include; Junior Web Application Developer, Junior Application Developer or Junior Software Analyst.

How to support your child

Sixth form study makes new and increasing demands upon the students. Sixth Form Students are required to:
- Think at higher levels
- Process more in less time
- Work in high pressure situations
- Work with meticulous teachers
- Resist a wide range of distractions

To support your child take an interest in their learning, talk to them about the process. Review their folders and files on a regular basis.
Help them with their personal organisation, The following guide questions may help:
- Is their work in a secure folder (e.g. ring binder)?
- Have they got a copy of the specification at the front of their file?
- Do they check off the specification as they learn the topics to check full coverage?
- Is their work organised into sections which relate to the specification?
- Are their notes readable?

- Do they leave space between points?
- Do they have a balance between notes and handouts?
- Have they completed additional work?
- Do they use headings and subheadings?
- Do they use colour to highlight points
- Are their essays and exam question answers included?

Recommended texts

Cambridge Technicals Level 3 IT

Maureen Everett, Saundra Middleton, Victoria Ellis, Graham Manson