

ICT/Computing



Department Intent: To provide students with the skills needed in an ever changing digital World. To stimulate pupil interest and empower them with advanced computing skills needed in modern society.

KS4 – BTEC Digital IT

Intention Overview: To deepen the students’ understanding of digital information technology with focus on computer user interface, user interaction with computer hardware devices, cyber security, computer legislations, modern technologies, the wider implications of digital systems, the impact of using data on individuals and organisations, creating dashboard using data manipulation tools and draw conclusions based on data.

Curriculum Knowledge	
Year 10: Students will be exploring User Interface Design Principles and Project Planning Techniques for component 1 coursework.	
Year 11: Students will be Collecting, Presenting and Interpreting Data for component 2 coursework which internal assessed and then spend Half Term 3 studying “Effective Digital Working Practices” for component 3 exam which is external assessed. By February HT, exam revision begins on component 3.	
Skill Development	
Subject Specific Skills: <ul style="list-style-type: none"> ● Knowledge and understanding of user interface design principles. ● Understanding of how to collect, present and interpret data. ● Understanding of digital technologies. 	Wider Academic Skills / Attributes: <ul style="list-style-type: none"> ● Constructive ability to analyse contextual questions. ● Planning extended answers that demonstrate skills and knowledge of the subject.
Personal Development - SMSC and Cultural Capital (opportunities/experiences)	
<ul style="list-style-type: none"> ● Students are taught about their rights and responsibilities in terms of their ethical and legal use of digital technologies and the consequences of their actions in relation to such (‘Digital Footprint and ‘Computer Misuse’) ● Students also learn how to work collaboratively and independently to solve complex problems. ● Critical thought and the ability to question and make judgements. ● Cyber Crime and legislations looks at broader factors on computer vulnerability. ● Developed and Developing countries digital divide and how technology shape political scene. 	

Implementation:

- The lessons are centrally planned and consistent with the demands of our schemes of learning. The lessons include regular exam-style assessment to support student progress.
- An assessment calendar is in place for KS4, and is reviewed annually.
- Revision guides and cards are available in school.
- We use google classroom to provide links to our lesson resources, useful YouTube clips, Quizlet and Seneca to support revision of prior learning.

Measuring Impact:

- Assessment folders provide students with exam-style assessments and feedback to support their revision.
- HOD conducts learning walks and work scrutiny to check for consistency across the Department.