

Key Stage 4

Subject: Cambridge National in Information Technology

Intent

Information Technology is a practical, skills-based qualification that builds on our Key Stage 3 Curriculum and provides a foundation for students intending to study ICT at a higher level. Through studying IT at KS4, students become more independent and discerning users of ICT who can make informed decisions about its use.

We aim to:

- Increase pupil's confidence in using computers and develop their understanding of the business world and its practices.
- Create an engaging curriculum that encourages pupils to want to learn more about computers and business.
- Encourage pupils to make use of computational thinking and problem-solving abilities.
- To educate pupils on using the internet safely
- Encourage the use of both numeracy and literacy within their projects.

Programme of study and assessment.

	Autumn Term	Spring Term	Summer Term
Year 10	Paper 1: Phases of the PLC, tasks and inputs and outputs at each phase Initial project considerations, Planning tools Initiate a project by analysing the requirements, how to mitigate risks through the planning process. Creating planning documentation Test planning	Paper 2: Set assignment practise Complete set assignment	Component 2: Complete set assignment
Assessment	Assessment will be through end of unit tests. Assessing student's knowledge on LO1 and LO6 – Understanding tools	To continue with the set assignment.	Coursework will be sent to exam board.

	and techniques used in initiation and different methods of processing data.		
Year 11	<p><u>Paper 1</u></p> <p>Data and information, methods used to collect and store data and information, used to support data and collection.</p> <p>Use of data in a given context including Big Data</p> <p>Web/mobile technologies, use of HTML to create and layout electronic/digital documents</p>	<p><u>Paper 2:</u></p> <p>Analysis of requirements to a given context, mitigating risks through the planning process, creating planning documentation using appropriate technology and planning tools</p>	Exam Practice and revision
Assessment	December Mock Exam - Assessing student's knowledge on LO3 and LO4 – Different methods of how data is collected, stored and used and factors when processing data.	<p>March Mock Exam this will assess</p> <p>LO1 – Tools used to initiate and plan Solutions</p> <p>LO3 – Storing and Collecting Data</p> <p>LO4 – Processing Data</p> <p>LO6 – Methods to present data</p>	