

What are the aims and intentions of this curriculum?

The Cambridge Technical qualification in IT aims to develop students' knowledge, understanding and skills of the essentials of IT and Cyber Security. Students will gain an insight into the IT sector as they investigate the pace of technological change, IT infrastructure on a global scale, and the importance of legal and security considerations. This course is designed in collaboration with industry experts and the qualification focuses on the requirements that today's employers demand.

Term	Topics	Knowledge and key terms	Skills developed	Assessment
Autumn 1	Unit 1 – Fundamentals of IT	Students acquire a sound understanding of IT technologies and practices and can explain its importance for IT professionals. Information learnt in this unit will provide students with a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT.	Students develop and understanding of: Computer Hardware Computer Software Business IT systems Employability and communication skills used in an IT environment.	Mock Unit 1 examination (Past Paper).
Autumn 2	Unit 1 – Fundamentals of IT	Students acquire a sound understanding of IT technologies and practices and can explain its importance for IT professionals. Information learnt in this unit will provide students with a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT.	Students develop and understanding of: Computer Hardware Computer Software Business IT systems Employability and communication skills used in an IT environment Ethical and operational issues and threats to computer systems.	External Unit 1 examination.
Spring 1	Unit 2 – Global Information	The purpose of this unit is to demonstrate the uses of information in the public domain, globally, in the cloud and across the internet, by individuals and organisations. Students discover that good management of both data and information is essential, and that it can give any organisation a competitive edge. Students gain a greater understanding of how organisations use information sources both internally and externally and the types of information they encounter. Students acquire knowledge of the legislation and regulation governing information that flows into and out of an organisations and the constraints and limitations that apply to it. Students will also learn the relationship between data and information.	Students will: Understand where information is held globally and how it is transmitted Understand the styles, classification and the management of global information	Mock Unit 2 examination (Past Paper).

Spring 2	Unit 2 – Global Information	<p>The purpose of this unit is to demonstrate the uses of information in the public domain, globally, in the cloud and across the internet, by individuals and organisations. Students discover that good management of both data and information is essential, and that it can give any organisation a competitive edge.</p> <p>Students gain a greater understanding of how organisations use information sources both internally and externally and the types of information they encounter.</p> <p>Students acquire knowledge of the legislation and regulation governing information that flows into and out of an organisations and the constraints and limitations that apply to it. Students will also learn the relationship between data and information.</p>	<p>Students will:</p> <ul style="list-style-type: none"> Understand where information is held globally and how it is transmitted Understand the styles, classification and the management of global information Understand the use of global information and the benefits to individuals and organization Understand the legal and regulatory framework governing the storage and use of global information 	Internal Unit 2 examination (Past Paper).
Summer 1	Unit 2 – Global Information	<p>The purpose of this unit is to demonstrate the uses of information in the public domain, globally, in the cloud and across the internet, by individuals and organisations. Students discover that good management of both data and information is essential, and that it can give any organisation a competitive edge.</p> <p>Students gain a greater understanding of how organisations use information sources both internally and externally and the types of information they encounter.</p> <p>Students acquire knowledge of the legislation and regulation governing information that flows into and out of an organisations and the constraints and limitations that apply to it. Students will also learn the relationship between data and information.</p>	<p>Students will:</p> <ul style="list-style-type: none"> Understand where information is held globally and how it is transmitted Understand the styles, classification and the management of global information Understand the use of global information and the benefits to individuals and organization Understand the legal and regulatory framework governing the storage and use of global information Understand the process flow of information Understand the principles of information security 	External Unit 2 examination.
Summer 2	Unit 17 – The Internet of Everything	<p>This unit is about the use of the internet and how it is impacting people and society. Students will learn about the Internet of Everything (IoE) and how it is used. They will use their knowledge to carry out a feasibility study for a potential idea. They will then pitch their idea to potential stakeholders and use their feedback to revise their proposal.</p>	<p>Students can explain what is “The Internet of Everything?”</p> <p>Students can identify the four pillars of The Internet of Everything, Things, Data, Processes and People.</p>	Mock Unit 17 Examination testing Unit theory.