

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 17 – The Internet of Everything	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.	Students can explain what The Internet of Everything is. Students can identify the four pillars of The Internet of Everything, Things, Data, Processes and People. Students can explain its impact on society and business now and through future developments.	Unit 17 Assessment – Pass Tasks.
Autumn 2	Unit 3 – Cyber Security	This unit has been designed to enable students to gain knowledge and understanding of the range of threats, vulnerabilities and risks that impact on both individuals and organisations. Students will learn about the solutions that can be used to prevent or deal with cyber security incidents resulting from these challenges. They will be able to apply their knowledge and understanding of cyber security issues and solutions by reviewing and making recommendations for ways to best protect digital systems and information.	Students will: Understand what is meant by cyber security Understand the issues surrounding cyber security Understand measures used to protect against cyber security incident Understand how to manage cyber security incidents.	Internal Unit 3 Cyber Security Examination – Past Paper. External Unit 3 Cyber Security Examination
Spring 1	Unit 17 – The Internet of Everything	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.	Students can explain what The Internet of Everything is. Students can identify the four pillars of The Internet of Everything, Things, Data, Processes and People. Students can explain its impact on society and business now and through future developments.	Unit 17 Assessment – Merit and Distinction Tasks.

	Unit 9 - Project Development	<p>The purpose of this unit is to prepare students to undertake product development activities. Students will learn about different product design methodologies and the role of the product development life cycle. In addition, students will discover the factors that influence product developments.</p> <p>Students then use the knowledge and skills gained to produce their own product using established practices.</p>	<p>Students will:</p> <ul style="list-style-type: none"> Understand the product development life cycle Be able to design products that meet identified client requirements Be able to implement and test products Be able to carry out acceptance testing with clients. 	Unit 9 – Pass tasks assessment.
Spring 2	Unit 9 - Project Development	<p>The purpose of this unit is to prepare students to undertake product development activities. Students will learn about different product design methodologies and the role of the product development life cycle. In addition, students will discover the factors that influence product developments.</p> <p>Students then use the knowledge and skills gained to produce their own product using established practices.</p>	<p>Students will:</p> <ul style="list-style-type: none"> Understand the product development life cycle Be able to design products that meet identified client requirements Be able to implement and test products Be able to carry out acceptance testing with clients. 	Unit 9 Assessment Merit and Distinctions Tasks.
Summer 1	Coursework preparation for external moderation	Students are to finalise their coursework submission for final moderation.	Students present their coursework for final moderation.	Unit 9 Assessment. Unit 17 Assessment. First moderation external assessment.
Summer 2	Coursework preparation for external moderation	Students are to finalise their coursework submission for final moderation.	Students present their coursework for final moderation.	Unit 9 Assessment. Unit 17 Assessment. Second moderation external assessment.