

# KS5 Cambridge Technical in ICT Curriculum 2019-2020

## What are the aims and intentions of this curriculum?

In this academic year students will study two units simultaneously, one if an examined unit and the other is a coursework unit. The examined unit will be completed by the end of autumn 2 as their exam will be sat in January. Students will then continue with the coursework element of the course for the rest of the academic year. Throughout the course the students will sit two external examinations and complete three units of coursework. The pathway that students will follow is the 'Emerging Digital Technology Practitioner' pathway, with students achieving an Introductory Diploma qualification at the end of year 13.

Term	Topics	Knowledge covered	Skills developed	Assessment
<b>Autumn 1</b>	Unit 1 - Fundamentals of IT (LO1, LO2) Unit 9 - Product Development (LO1)	Understand Computer Hardware and Software. Understand the product development life cycle.	Students will cover the content for their exam which will involve exam technique and practice exam questions.	Practice exam questions
<b>Autumn 2</b>	Unit 1 - Fundamentals of IT (LO3, LO4, LO5) Unit 9 - Product Development (LO2)	Understand business IT Systems, employability and communication skills used in IT and the ethical and legal issues and threats to such systems. Be able to design products that meet client requirements.	Students will cover the content for their exam which will involve exam technique and practice exam questions.	Exam Coursework
<b>Spring 1</b>	Unit 9 - Product Development (LO3)	Be able to implement a product based from the designs created in LO2. Students will then need to test the product to ensure full functionality and reflect on client requirements.	Students will develop their mediator skills to create a suitable product to meet a clients needs/requirements.	Coursework
<b>Spring 2</b>	Unit 9 - Product Development (LO4)	Be able to carry out acceptance testing with clients of the final product.	Student will meet with their client to complete acceptance testing. This will ensure the product is suitable for the clients needs.	Coursework
<b>Summer 1</b>	Unit 5 - Augmented and Virtual Reality (LO1)	Students will understand virtual and augmented reality and how they may be used.	Students will complete independent research about the history and virtual and augmented reality and the areas where such products are used.	Coursework
<b>Summer 2</b>	Unit 5 - Augmented and Virtual Reality (LO2)	Students are able to design virtual and augmented reality resources	Students will complete a range of design documentation to ensure it meets the clients needs.	Coursework

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Students will cover the content for their exam for Unit 2 - Global Information. They will cover this over a term and then sit their external exam in January. Students will also be working on their coursework at the same time, which is Unit 5 - Augmented and Virtual Reality.

Term	Topics	Knowledge covered	Skills developed	Assessment
Autumn 1	Unit 2 - Global Information (LO1, LO2, LO3)	Students will understand where information is held globally and how it is transmitted. They will also understand the style and management of information.	Students will develop their understanding and exam technique ready for their exam at the end of autumn 2.	Practice exam papers
	Unit 5 - Augmented and Virtual Reality (LO3)	Students will create their three augmented reality products.	Students will use blippar, photoshop and wix to create their augmented reality products to meet a client brief.	Coursework
Autumn 2	Unit 2 - Global Information (LO4, LO5, LO6)	Students will understand the use of global information and understand its uses and benefits. They will also cover the flow of information and security of it.	Students will develop their understanding and exam technique ready for their exam at the end of autumn 2.	Practice exam papers
	Unit 5 - Augmented and Virtual Reality (LO4)	Students will be able to predict future applications for virtual and augmented reality.	Students will research for future augmented reality and virtual reality products and applications.	Coursework
Spring 1	Unit 13 - Social Media and Digital Marketing (LO1,LO2)	Students will understand the digital marketing, where it is used and the role it plays within social media. Students will also cover the use of social media in business and why it is used.	Students will complete research to look at different aspects of social media, their purpose, the tools use and where it can be found.	Coursework
Spring 2	Unit 13 - Social Media and Digital Marketing (LO3)	Students will be able to plan the content and propose a social media campaign using appropriate channels with justification to their choices.	Students will plan and design a social media campaign suitable to meet a clients needs.	Coursework
Summer 1	Unit 13 - Social Media and Digital Marketing (LO4)	Students will develop a social media digital marketing campaign to meet a clients needs. Students will also recommend adaptations to current business processes.	Students will develop their social media digital marketing campaign to meet a clients needs.	Coursework