

Subject	Aims and Purpose/Intent	Content Summary
<p>IT Cambridge Technical Year 12</p>	<p>To experience.....</p> <ul style="list-style-type: none"> • what is required from IT specialists in the working environment, and the importance of good communication skills along with the technology available to them. • how information is used un the public domain, globally, in the cloud and across the internet, by individuals and organisations. <p>To develop.....</p> <ul style="list-style-type: none"> • a sound understanding of IT Technologies and practices essential for IT professionals. • a solid foundation in the fundamentals of hardware, networks, software the ethical use of computers and how business use IT. • An understanding of how organisations use information sources both internally and externally. • an understanding of the functionality of information and how data is stored and processed by organisations. • employability skills such a communication, critical thinking and decision making. <p>To explore.....</p> <ul style="list-style-type: none"> • the threats involved when using computer systems, and the ethical and operational issues that have to be considered to support their use • the legislation and regulation governing information that flows into and out of an organisation and the constraints and limitations that apply to it. 	<p>Unit 1: Fundamentals in IT</p> <ul style="list-style-type: none"> • Understand computer hardware • Understand computer software • Understand business IT systems • Understand employability and communication skills used in an IT environment • Understand ethical and operational issues and threats to computer systems <p>Unit 2: Global Information</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 organisations • 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

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<p>IT Cambridge Technical Year 13</p>	<p>To experience.....</p> <ul style="list-style-type: none"> • the stages of application develop by designing an application for a particular audience and purpose. • the stages that developers go through in this process including design and prototyping. • Presenting your ideas to an audience and getting feedback from them. • writing a feasibility study. <p>To develop.....</p> <ul style="list-style-type: none"> • the skills and knowledge necessary to develop the designs for an application and how the user will interact with it. • transferable skills such as liaising with clients and questioning people effectively to gain the information you need to develop successful design. • an understanding of the internet and how it is impacting on people and society. <p>To explore.....</p> <ul style="list-style-type: none"> • a world that is increasingly reliant on applications that help individuals, business and organisations achieve specific activities or purposes. • The use of social media in digital marketing 	<p>Unit 6: Application Design</p> <ul style="list-style-type: none"> • Understand how applications are designed • Be able to investigate potential solutions for application development • Be able to generate designs for application solutions • Be able to present application solutions to meet client and user requirements <p>Unit 13: Social Media and Digital Marketing</p> <ul style="list-style-type: none"> • Understand what is meant by the Internet of Everything • Be able to repurpose technologies to extend the scope of the IoE • Be able to present concept ideas for repurposed developments <p>Unit 17: Internet of Everything (IoE)</p> <ul style="list-style-type: none"> • Understand what is meant by the Internet of Everything • Be able to repurpose technologies to extend the scope of the IoE • Be able to present concept ideas for repurposed developments