



Key Stage 5: Year 12

Cambridge Technical Introductory Diploma in IT Level 3

Term	Topic	Covered in lessons	Intent
HT1	Unit 1 Fundamentals of IT	Understand: <ul style="list-style-type: none"><li>• Computer Hardware</li><li>• Computer Software</li></ul>	Gain a sound understanding of IT technologies and practices is essential for IT professionals. Information learnt in this unit will provide a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT. After completing this unit, the knowledge, skills and understanding students will have developed will underpin their study for the additional units
HT2	Unit 1 Fundamentals of IT	Understand: <ul style="list-style-type: none"><li>• Business IT systems</li><li>• Employability and communication skills used in the IT environment</li><li>• Ethical and operational issues and threats to computer systems</li></ul>	Gain a sound understanding of IT technologies and practices is essential for IT professionals. Information learnt in this unit will provide a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT. After completing this unit, the knowledge, skills and understanding students will have developed will underpin their study for the additional units
	Revision for Unit 1 January exam series		



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HT3	Unit 2 – Global Information	<ul style="list-style-type: none"> <li>Understand where information is held globally and how it is transmitted</li> <li>Understand the styles, classification and the management of global information</li> <li>Understand the use of global information and the benefits to individuals and organisations</li> <li>Understand the legal and regulatory framework governing the storage and use of global information</li> <li>Understand the process flow of information</li> </ul>	<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.</p> <p>Students will discover that good management of both data and information is essential, and that it can give any organisation a competitive edge.</p> <p>This unit provides students with a greater understanding of how organisations use information sources both internally and externally and the types of information they will encounter.</p> <p>Provide students with knowledge of the functionality of information and how data is stored and processed by organisations. Learn about how individuals use information of various types.</p> <p>Students learn about the legislation and regulation governing information that flows into and out of an organisation and the constraints and limitations that apply to it.</p>
HT4	Unit 2 – Global Information	<ul style="list-style-type: none"> <li>Understand where information is held globally and how it is transmitted</li> <li>Understand the styles, classification and the management of global information</li> <li>Understand the use of global information and the benefits to individuals and organisations</li> <li>Understand the legal and regulatory framework governing the storage and use of global information</li> <li>Understand the process flow of information</li> </ul>	<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.</p> <p>Students will discover that good management of both data and information is essential, and that it can give any organisation a competitive edge.</p> <p>This unit provides students with a greater understanding of how organisations use information sources both internally and externally and the types of information they will encounter.</p> <p>Provide students with knowledge of the functionality of information and how data is stored and processed by organisations. Learn about how individuals use information of various types.</p> <p>Students learn about the legislation and regulation governing information that flows into and out of an organisation and the constraints and limitations that apply to it.</p>



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HT5	Revision for Unit 1 and 2 Summer exam series		
HT6	Unit 3 – Cyber Security	Understand: <ul style="list-style-type: none"><li>• What is meant by cyber security</li><li>• The issues surrounding cyber security</li><li>• The measures used to protect against cyber security incidents</li><li>• How to manage cyber security incidents.</li></ul>	<p>This unit enables students to gain knowledge and understanding of the range of threats, vulnerabilities and risks that impact on both individuals and organisations.</p> <p>Students learn about the solutions that can be used to prevent or deal with cyber security incidents resulting from these challenges.</p> <p>Students will be able to apply knowledge and understanding of cyber security issues and solutions by reviewing and making recommendations for ways to best protect digital systems and information.</p>