

Subject: Cambridge Technicals in IT (Extended Certificate)

Subject: Cambridge Technicals in IT (Extended Certificate)

Year Group: **Year 12**

Content Delivered Core knowledge		Content Delivered Core knowledge		Content Delivered Core knowledge	
Autumn 1 September – October	Autumn 2 November – December	Spring 1 January - February	Spring 2 March - April	Summer 1 April - May	Summer 2 June-July
Unit 8 Project Management (Portfolio) Unit 1 Fundamentals of IT	Unit 8 Project Management (Portfolio) Unit 1 Fundamentals of IT	Unit 8 Project Management (Portfolio) Unit 1 Fundamentals of IT	Unit 8 Project Management (Portfolio) Unit 3 Cyber security	Unit 8 Project Management (Portfolio) Unit 3 Cyber security	Unit 8 Project Management (Portfolio) Unit 3 Cyber security
Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:
Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	Analyse Research Describe Evaluate
Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):
Unit 1 analyse communication devices benefits and limitations Unit 8 the project life cycle and methodologies	Unit 1 types of computer systems and connectivity methods Unit 8 identify project issues and documentation needed to manage the project	Unit 1 hardware troubleshooting and units of measurement Employability skills Unit 8 understand the initiation stage of a project and planning	Unit 3 cyber security aims, types of threats and attackers Unit 8 be able to execute a project	Unit 3 impacts and ethics of cyber security incidents Unit 8 evaluation phase obtaining feedback from clients, stakeholders, users and team	Unit 3 cyber security risks, tests and controls Preparation for exam Unit 2 Understand where information is held globally and how it is transmitted
Assessment:	Assessment:	Assessment:	Assessment:	Assessment:	Assessment:
Unit 1 2x topic tests Communication devices Limitation of devices Unit 8 write up on phases within an identified project life cycle	Unit 1 2x topic tests Connectivity methods Computer systems Unit 8 Explain the different phases within an identified project life cycle	Unit 1 2x topic tests Hardware Trouble shooting Unit 8 Describe different project methodologies	Unit 1 2x topic tests CIA Threats and attackers Unit 8 Evaluate the importance of each phase of the identified project life cycle	Unit 1 2x topic tests Ethics Cyber Security case study and incidents Unit 8 Obtaining feedback For clients, stakeholders and users	Unit 1 2x topic tests Cyber Security controls physical and system Unit 2 Holders of information

Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:
Reading – class materials OneNote LO1.1 Computer Hardware LO1.2 Storage LO1.3 Types of computers	Reading - class materials OneNote LO1.4 connectivity LO1.5 communication LO1.6 hardware troubleshooting	Reading – class materials OneNote LO1.7 units of measurement LO1.8 & 9 number systems and conversions	Reading – class materials OneNote LO2 Types of software LO2.3 utility software LO2.4 OS	Reading – class materials OneNote LO2 Computer Hardware LO2.5 communications LO2.6 software trouble shooting	Reading – class materials OneNote LO2.7 protocols
Writing – independent study tasks on OneNote LO1 1.1, 1.2 & 1.3	Writing – independent study tasks on OneNote LO1 1.4, 1.5 & 1.6	Writing – independent study tasks on OneNote LO1 1.7, 1.8 & 1.9	Writing – independent study tasks on OneNote LO2 2.3 & 2.4	Writing – independent study tasks on OneNote LO2 2.5 & 2.6	Writing – independent study tasks on OneNote LO2 2.7
Home Learning	Home Learning	Home Learning	Home Learning	Home Learning	Home Learning
Homework tab on OneNote Watch videos on hardware	Homework tab on OneNote RAM and ROM questions	Homework tab on OneNote Networking equipment	Homework tab on OneNote Revise topics	Homework tab on OneNote Revise topics	Homework tab on OneNote Revise topics

Subject: **Cambridge Technicals in IT (Extended Certificate)**

Year Group: **Year 13**

Content Delivered Core knowledge		Content Delivered Core knowledge		Content Delivered Core knowledge	
Autumn 1 September – October	Autumn 2 November – December	Spring 1 January - February	Spring 2 March - April	Summer 1 April - May	Summer 2 June-July
Unit 17 IoE (Portfolio) Unit 2 Global Information	Unit 17 IoE (Portfolio) Unit 2 Global Information	Unit 17 IoE (Portfolio) Unit 2 Global Information	Unit 17 IoE (Portfolio) Unit 2 Global Information	Unit 17 IoE (Portfolio) Unit 2 Global Information	
Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:	Key Curriculum Skills:
Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	Analyse Research Describe Evaluate	
Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):	Key Knowledge (Cultural Capital and Content):
Unit 17 IoE (Portfolio) Understand what is meant by the Internet of Everything (IoE) Things Applications Four pillars Unit 2 Global Information Holders of information Storage media	Unit 17 IoE (Portfolio) 1.8 converting data into information Data Gathering devices Processes Connectivity Unit 2 Global Information The internet Connections WWW	Unit 17 IoE (Portfolio) Developments in Body/health Home/garden City/neighbourhood Industry The environment Unit 2 Global Information Data analysis Data analysis tools	Unit 17 IoE (Portfolio) Business proposal Pitch Feedback Stakeholder considerations Revision of proposal Unit 2 Global Information Global information protection legislation and regulation	Unit 17 IoE (Portfolio) Possible success criteria Unit 2 Global Information Data Flow diagrams How they are used	
Assessment:	Assessment:	Assessment:	Assessment:	Assessment:	Assessment:
Unit 17 IoE (Portfolio) Explain the concept of the IoE Unit 2 Global Information x 2 topic tests Holders of information Storage media	Unit 17 IoE (Portfolio) Explain the four pillars of the IoE and how its innovations can transform businesses Unit 2 Global Information x 2 topic tests Connectivity methods and types of networks	Unit 17 IoE (Portfolio) Analyse the global impacts of the IoE on society and the environment Unit 2 Global Information x 2 topic tests Information management and principles	Unit 17 IoE (Portfolio) Unit 2 Global Information x 2 topic tests Legislation Data protection regulation	Unit 17 IoE (Portfolio) Unit 2 Global Information x 2 topic tests DFD	

Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:	Literacy Curriculum:
Reading – class materials OneNote holders of information Storage media	Reading - class materials OneNote internet technologies information formats	Reading – class materials OneNote LO2.1 information styles LO2.2 information classification	Reading – class materials OneNote LO2.1 information styles LO2.2 information classification	Reading – class materials OneNote LO2.1 information styles LO2.2 information classification	Reading –
Writing – independent research complete WWW technologies networks table	Writing – information formats advantages and disadvantages	Writing – independent study assignment urban – carry out research and write-up findings	Writing independent study assignment urban – complete threat analysis and mitigating risks, hardware and software requirements	Writing – produce a table that identifies the disadvantages of WWW to individuals and organisations	Writing –
Home Learning	Home Learning	Home Learning	Home Learning	Home Learning	Home Learning
Cost analysis of storage media research	The scope and connectivity speeds around the world	Research news stories based on Urban	LO2 Quiz: Big data analytics technologies and techniques	Research threats when using internet	