

INTENT: Curriculum Overview (Year 12) SUBJECT

A learner in Year 12 will know: How create a website.			A learner in Year 12 will be able to: Successful answer unit 1 Fundamentals of IT questions to pass the unit 1 exam.		
A: Topic/Theme LO1 Understand computer hardware.	B: Topic/Theme LO2 Understand computer software.	C: Topic/Theme LO3 Understand business IT systems.	D: Topic/Theme LO4 Understand employability and communication skills used in IT environment.	E: Topic/Theme LO5 Understand ethical and operational issues and threats to computer systems.	F: Topic/Theme Unit 21 Web design prototyping

IMPLEMENTATION – planned and sequenced towards cumulative knowledge and skills

Term 1	1:1: Topics/Themes Unit 1 Fundamentals of IT exam content	1:2: Topics/Themes Unit 1 Fundamentals of IT exam content	Autumn Summative Assessment
	<p>Knowledge:</p> <p><b>LO1 Understand computer hardware.</b></p> <ul style="list-style-type: none"> <li>• Computer hardware</li> <li>• Computer components</li> <li>• Types of computer system</li> <li>• Connectivity methods</li> <li>• Communications hardware</li> <li>• Hardware troubleshooting</li> <li>• Units of measurement</li> <li>• Number systems</li> <li>• Number conversion</li> <li>•</li> </ul> <p><b>LO2 Understand computer software.</b></p> <ul style="list-style-type: none"> <li>• Types of software</li> <li>• Applications software</li> <li>• Utility software</li> <li>• Operating systems</li> <li>• Communication methods</li> <li>• Software troubleshooting</li> <li>• Protocols</li> <li>•</li> </ul> <p><b>LO3 Understand business IT systems.</b></p> <ul style="list-style-type: none"> <li>• Types of servers</li> <li>• Virtualisation</li> <li>• Networking characteristics</li> <li>• Connectivity methods</li> <li>• Business systems</li> </ul> <p>Skills: Ability to retain knowledge and answer exam questions.</p> <p>Formative Assessment: End of LO questions</p>	<p>Knowledge:</p> <p><b>LO4 Understand employability and communication skills used in IT environment.</b></p> <ul style="list-style-type: none"> <li>• Communication skills</li> <li>• Communication technology</li> <li>• Personal attributes</li> <li>• Ready for work</li> <li>• Job roles</li> <li>• Professional bodies</li> <li>• Industry certification</li> </ul> <p><b>LO5 Understand ethical and operational issues and threats to computer systems.</b></p> <ul style="list-style-type: none"> <li>• Ethical issues</li> <li>• Operational issues</li> <li>• Treats</li> <li>• Physical security</li> <li>• Digital security</li> <li>• Safe disposal of data and copter equipment</li> </ul> <p>Skills: Ability to retain knowledge and answer exam questions.</p> <p>Formative Assessment: End of LO questions PEP Mock papers</p> <p>End point: Sit exam in January.</p>	<p>Knowledge coverage: Unit 1 Fundamentals of IT exam content</p> <p>Skills tested: Ability to retain knowledge and answer exam questions.</p> <p>Assessment style/questions: End of LO questions PEP Mock papers</p>

	<p>PEP Mock papers Feedback on marked work</p> <p>End point: Sit exam in January.</p>		
Term 2	2:1 Topics/Themes Web design and prototyping.	2:2: Topics/Themes Web design and prototyping.	Spring Summative Assessment
	<p>Knowledge: <b>LO1: Understand the fundamentals of web design.</b></p> <ul style="list-style-type: none"> <li>Describe key components of website construction.</li> <li>Explain the security risks that must be considered when creating a website.</li> </ul> <p>Skills: Research security risks and investigate the components of a website.</p> <p>Formative Assessment: All tasks are marked as a first draft then given a final mark after improvements have been made.</p> <p>End point: Coursework completion.</p>	<p>Knowledge: <b>LO2: Be able to plan the development of an interactive website for an identified client.</b></p> <ul style="list-style-type: none"> <li>Determine a client's requirements a website.</li> <li>Produce a plan or the website that meets the client's requirements.</li> <li>Justify the use of components in the website design.</li> </ul> <p>Skills: Design a suitable website to meet a brief.</p> <p>Formative Assessment: All tasks are marked as a first draft then given a final mark after improvements have been made.</p> <p>End point: Coursework completion.</p>	<p>Knowledge coverage: Web design and prototyping.</p> <p>Skills tested: Planning a website.</p> <p>Assessment style/questions: N/A no exam.</p>
Term 3	3:1: Topics/Themes	3:2: Topics/Themes	Summer Summative Assessment
	<p>Knowledge: <b>LO3: Be able to create prototype websites for an identified client.</b></p> <ul style="list-style-type: none"> <li>Create a prototype of the website for the client</li> <li>Add interactive components to the porotype</li> <li>Conduct testing</li> <li>Evaluate the prototype against the client's requirements.</li> </ul> <p>Skills: Create a website using interactive features that match the design.</p> <p>Formative Assessment: All tasks are marked as a first draft then given a final mark after improvements have been made.</p>	<p>Knowledge: <b>LO4: Be able to present the interactive website concept to an identified client.</b></p> <ul style="list-style-type: none"> <li>Create a presentation to demonstrate the prototype website to the client.</li> <li>Communicate future website security and maintenance considerations</li> </ul> <p>Skills: Present to client.be able to hold meetings with the client.</p> <p>Formative Assessment: All tasks are marked as a first draft then given a final mark after improvements have been made.</p> <p>End point: Coursework completion.</p>	<p>Knowledge coverage: Web design and prototyping.</p> <p>Skills tested: Creating a website.</p> <p>Assessment style/questions: N/A no exam.</p>

	End point: Coursework completion.		
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- Consider blocking and revisiting knowledge