

	IT Systems Security and Encryption	<p>procedures, outcomes and solutions to resolve computing problems</p> <p>Implement strategies to protect an IT system from security threats</p>	<ul style="list-style-type: none"> Group policies, Anti-malware protection, Firewall configuration, Wireless security, Access control 	<p>knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding.</p> <p>Summative Students will complete an in-class assessment containing the questions below:</p>	<p>Students focus on knowledge, understanding and essential knowledge of software and hardware that is used within ICT in industry and across the technology sector.</p>
<p><u>Bring it all together Assessment Questions</u></p> <p><u>Unit 2</u> How do you divide binary numbers? What is ASCII code? How are images represented in binary? What are the different types of compression? What is the difference between a list, stack and array?</p> <p><u>Unit 7</u> How does antivirus software protect a computer system? What is user authentication? How does choice of OS effect the security of a system? How does intrusion detection system stop a computer from being vulnerable? What are the steps for a successful disaster recovery policy?</p>					<p>Principles of Computer Science underpins all areas of computer science. It will develop your computational-thinking essential knowledge and you will apply those essential knowledge to solve problems.</p> <p>This will lead to students being able to gain future employment within the Computing sector, study for an apprenticeship or apply for university.</p>
HT6	Fundamentals of Computer Systems IT Systems Security and Encryption	<p>Implement strategies to protect an IT system from security threats</p>	<ul style="list-style-type: none"> Testing and reviewing protection applied to an IT system, Essential knowledge, knowledge and behaviours 	<p>Formative Students will complete retrieval exercises each lesson to review and recall knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding.</p>	

				Summative Students will complete an in-class assessment containing the questions below:	
<u>Bring it all together Assessment Questions</u>					
<u>Unit 2</u> Describe an indices? Describe a matrix? What is packet switching? Name the protocols for data transmission? Name and complete truth tables for Boolean logic.					
<u>Unit 7</u> What are group policies? What is access control? What is Audit and event viewer on Windows OS? What is the difference between protection and prevention when creating a policy for users? Hat is the type of security on Wireless network?					