

KEVICC KS3 Curriculum:	Subject: Computer Science	Key terms and vocabulary.
Year: 9 Term: 4	Topic: Cyber Security	
<b>What is the essential knowledge from this unit? What do students need to remember and understand?</b> <ul style="list-style-type: none"><li>Understand the importance of protecting computer systems and their data</li><li>Be able to name and describe common threats to computer systems</li><li>Be able to describe methods of preventing or minimising these threats</li><li>Be able to name and describe different forms of malware</li><li>Be able to name and describe different forms of attacks on computer system</li><li>Understand what is meant by the term Social Engineering</li><li>Be able to name and describe social engineering techniques and how to prevent them</li><li>Understand the importance of training in preventing Social Engineering</li><li>Understand the operation and purpose of password procedures, CAPTCHA and email confirmation</li><li>Be able to describe the purpose of penetration testing</li><li>Understand the difference between white-box and black-box penetration testing</li></ul>		<p>Which words will be explicitly taught &amp; how frequently will understanding be checked? How will assimilation of new vocab be checked?</p> <p><b>Malware</b> <b>Removable media</b> <b>Social Engineering</b> <b>Phishing</b> <b>Pharming</b> <b>Blagging</b> <b>Baiting</b> <b>Shouldering</b> <b>Virus</b> <b>Worm</b> <b>Spyware</b> <b>Trojan</b> <b>Brute force</b> <b>Denial of service</b> <b>CAPTCHA</b> <b>Penetration testing</b> <b>White box testing</b> <b>Black box testing</b></p>
<b>What prior learning supports understanding of this content?</b> <ul style="list-style-type: none"><li>Year 8 lessons on how to keep data secure when using online device</li></ul>	<b>How does this content link to future learning?</b> <ul style="list-style-type: none"><li>Essential learning for students going on to take GCSE Computer Science course</li></ul>	Used in context during lessons and understanding checked in end of unit assessment
<b>Reading:</b> Where in the unit are students supported to read complex academic text? <ul style="list-style-type: none"><li>Students will be directed to read age-appropriate content from BBC Bitesize pages and other relevant online sources</li></ul>	<b>Writing:</b> Independent writing tasks and how they are structured <ul style="list-style-type: none"><li>Short written answers to worksheet questions</li><li>Extended written descriptions using key words as prompts</li></ul>	
<b>Key assessments:</b> <p>How will students review the information learned? How will feedback be seen?</p> <ul style="list-style-type: none"><li>Students will get short personalised feedback (mainly verbal) on individual tasks</li><li>End of unit assessment in penultimate lesson, with final lesson used to give feedback and enable corrections/improvements</li></ul>		