



Year 9 ICT/CS Learning Journey

Term 1 – Autumn

Core knowledge	Reference number (where saved on the network)
<ul style="list-style-type: none">Understanding the importance of E-Safety	
<ul style="list-style-type: none">Explain the difference between data and informationCritique online services in relation to data privacyIdentify what happens to data entered onlineExplain the need for the Data Protection Act	
<ul style="list-style-type: none">Recognise how human errors pose security risks to dataImplement strategies to minimise the risk of data being compromised through human error	
<ul style="list-style-type: none">Define hacking in the context of cyber securityExplain how a DDoS attack can impact users of online servicesIdentify strategies to reduce the chance of a brute force attack being successfulExplain the need for the Computer Misuse Act	
<ul style="list-style-type: none">List the common malware threatsExamine how different types of malware causes problems for computer systemsQuestion how malicious bots can have an impact on societal issues	
<ul style="list-style-type: none">Compare security threats against probability and the potential impact to organisationsExplain how networks can be protected from common security threats	
<ul style="list-style-type: none">Identify the most effective methods to prevent cyberattacks	

Learning Checkpoints

LC Title		
Summative assessment (WEEK 6)		
Summative assessment (WEEK 12)		

Key Vocabulary

Memorable, secure, password, account, network, applications, online, communicate, audience, email, talking, sequence, executed, control flow, input, process, output, algorithms, translators, machines, IDE, Boolean, binary, Iteration, logical expressions, Randomness, manipulate, Functions, operators, Lists and indices