

Year Group: 10	Subject: Computer Science	Term: Spring 2020
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Topic	Key Learning points	Assessments
Python Programming		
System security	<ul style="list-style-type: none"> • forms of attack • threats posed to networks: <ul style="list-style-type: none"> >malware >phishing > people as the 'weak point' in secure systems (social engineering) >brute force attacks >denial of service attacks >data interception and theft >the concept of SQL injection >poor network policy • identifying and preventing vulnerabilities: <ul style="list-style-type: none"> >penetration testing >network forensics >network policies >anti-malware software >firewalls >user access levels >passwords >encryption 	An end of unit formal assessment carried out under exam conditions.