

Lesson 1

Lesson 2

Lesson 3

Lesson 4

Lesson 5

Lesson 6

Lesson 7

Conceptual background

Define the terms 'cybersecurity' and 'network security'

Motives, ethical and social

Analyse an attack on a company and identify what motivated the hackers

Threats

Describe the features of a network that make it vulnerable to attack

Understand the impact of cybercrime on businesses and individuals

Identify and describe non-automated forms of cyberattacks

Demonstrate knowledge of social engineering

Identify and describe automated forms of cyberattacks

Analyse a cyberattack and identify the weaknesses that enabled it to happen

Prevention

Identify how software can be used to protect from cyberattacks

Describe ways that organisations use software to protect against cyberattacks

Understand the need for, and importance of, network security

Explain common methods of network security

Describe different methods of identifying cybersecurity vulnerabilities

Evaluate the potential for cybersecurity careers

