#

## Student Work Booklet

## Week 4, Networks

# Topic: Targets & Hackers

## Small Group Discussion & Class Reporting: Targets

Targets

From the video 4.1.1 (Targets), select, discuss and provide feedback and insights to the class on the following:

1. Name 3 types of ‘targets’ for a Cyber Attack.

Target 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Target 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Target 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. For each target, discuss and bullet point the purpose(s), or reasons why these targets would be be subjected to a cyber attack:

Target 1:

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Target 2:

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Target 3:

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## Small Group Discussion & Class Reporting: Hackers

From the Video 4.1.2 – Hackers and your own referenced reading discuss and provide feedback and insights to the class on the following:

What is a hacker?

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What types of hackers are there?

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Who are hackers?

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What motivates a hacker?

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# Topic: Computer Networks

## Small Group Discussion & Class Reporting: Targets

Review the topic resources and complete your own research to report on the following questions:

What is a computer network?

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How are computer networks helping people and society?

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Name two types of computer networks:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What are network topologies?

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Name 2 types of network topologies

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Research Activity

What is a network operating systems?

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# Topic: Cyber Security Tools

## Research Activity

In small groups research and provide and explantation of the following Cyber Secuirty Tools:

Firewall

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Antivrus Siftware

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Penetration testing

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Encryption

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Cyber Secuirty Education

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SIEM (System Information Event Management)

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Network Secuirty Monitoring

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## Student Reflection: Encryption

After reviewing the video resources, answer the following question: How does encryption help to keep computer networks and digital information secure?

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## Summary of Week 4 - Create your own notes, understandings, definitions etc..

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## Summary of Week 4 – Create your own drawings, symbols, diagrams, visual notes etc.