7 Layers of Cyber Security & Vulnerabilities

8 Module

Module Objectives:

1. Familiarize yourself with the 7 Layers of Cyber Security
2. Be introduced the risk of malware used by hackers
3. Understand how vulnerabilities can compromise a computer system
4. Learn about penetration testing and its step
5. Start running a pen test by performing passive reconnaissance

Module Lesson

Component	Title	Purpose
1. Slideshow (20 minutes)	7 Layers of Cyber Security & Web Vulnerabilities	Learn how hackers can intrude on computer users
(10-20 minutes)	Extra time to complete Module 7 Activity 2	

2. Activity 1	Passive Reconnaissance	The hands of a hacker!
(30 minutes)		

Note: All activities designed for this module are hands-on. The speed at which the activities can be completed will vary. Each module should approximately take one club or class time to complete.

Additional Resources:

- Malware
  - ▶ Lesson 15: Varieties of Malware
  - ▶ Lesson 16: Functions of Malware
  - ▶ Lesson 17: Sources of Malware
  - ▶ Lesson 18: Layers of Defense Against Malware
- Google!
- VMware Glossary