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

<table>
<thead>
<tr>
<th>Component</th>
<th>Title</th>
<th>Purpose</th>
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</thead>
<tbody>
<tr>
<td>1. Slideshow</td>
<td>7 Layers of Cyber Security &amp; Web Vulnerabilities</td>
<td>Learn how hackers can intrude on computer users</td>
</tr>
<tr>
<td>(20 minutes)</td>
<td>Extra time to complete Module 7 Activity 2</td>
<td></td>
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<tr>
<td>(10-20 minutes)</td>
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</tbody>
</table>
2. **Activity 1**

(30 minutes)

**Passive Reconnaissance**

The hands of a hacker!

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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**

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