Security Issues within SOcial Media

**Lesson Description:** In this learning module, students will learn the core elements of a computer network, and the purpose of computer networks. Students will identify and explain all the networking hardware. Students will also learn what an Internet Protocol (IP) and MAC address is, and why they are important within a computer network.

**Prerequisite Knowledge:** How to surf the web and use Google.

**Length of Completion**: 45 minutes

**Level of Instruction:** All.

**Applicable First Principles &/or Concepts:**

**GenCyber First Principles**

Domain Separation Abstraction

Process Isolation Data Hiding

Resource Encapsulation Layering

Modularity Simplicity

Least Privilege Minimization

**GenCyber Cybersecurity Concepts**

Defense in Depth Availability

**Confidentiality** **Think Like an Adversary**

Integrity Keep it Simple

**Resources that are Needed:** Computer with internet access.

**Accommodations Needed:** Instructions will be given verbally and on screen. Images will be used in PowerPoint to support student understanding. Students will have the opportunity to engage in small group discussion before whole-group share out. Other accommodations as needed.

# learning outcomes

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* Explain the purpose of the different social media platforms
* Explain social media data privacy best practices
* Explain the End User License Agreement (EULA)
* Demonstrate social media best practices Id

# Lesson Details

**Interconnection:** Lays out foundations of online safety for remainder of the day and for lessons on Friday.

**Assessment:** Post exercise discussions, Observations, Walk around.

**Extension Activities:** Students can do a google search on “cyber attacks” to find many links to websites and TED Talks on the subject.

**Differentiated Learning Opportunities:** None

# lesson 3.4

**Lesson 3.4 Details:**

**Warm Up:** Instructor asks the teachers about recent attacks in the news. Instructor asks if anyone has ever been affected by an attack.

**Lesson:**

Instructor will provide examples of famous attacks and teachers will decide which type of attack occurred. This might occur in a lecture format or in a worksheet format.

Lecture with a PowerPoint, and supporting PDF materials, video, worksheets. The following topics will be discussed:

1. Social Media Platforms

2. The concept of social media and data privacy

3. Discuss the EULA for social media platforms

a. What data is collected

b. How do they protect your data

c. Who can see your data

4. Social media Best Practices

a. Don’t post about vacations

b. Don’t post pics with important background information

c. Don’t answer the 20 questions about you surveys

d. Set appropriate security settings for social media

Digital Footprint video and exercise <https://www.youtube.com/watch?v=eg3gSNgaBm0&feature=youtu.be>

Acknowledgement: Lesson developed by Tami Norris.