Online Ethics

**Lesson Description:** In this learning module, the teachers will learn ethics and ethical behavior when working on the internet. Different types of hackers (black hat, grey hat and white hat) will be discussed, as well as clearance levels and permissions. Doing the right thing, even when nobody's watching, is an important concept for any user.

**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 ethical behavior
* Provide examples of integrity
* Explain importance of ethical behavior in cyber security
* Explain the different clearance levels
* Explain the difference between black hat, gray hat, and white hat hacker
* Explain the difference between a professional tester and a hacker

# 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:** Go to the following site:

https://www.edutopia.org/blog/8-pathways-creating-culture-integrity-marilyn-price-mitchell

**Differentiated Learning Opportunities:** None

# lesson 3.1

**Lesson 3.1 Details:**

**Warm Up:** “Shall We Play a Game?”

Show War Games clip. (https://www.youtube.com/watch?v=KXzNo0vR\_dU) Instructor asks the teachers about the security clearances they see or hear of in movies and what they think it means. Instructor asks teachers about their school’s Acceptable Use Policy, how is it distributed, enforced, etc. List ways to “bring it to life”.

**Lesson:**

After slides and lecture, teachers will complete an online exercise and an accompanying worksheet.

- Describe the Teacher Instruction:

The following topics will be discussed:

1. Ethics and Ethical Behavior

A. Integrity

B. Doing the right thing, even when nobody's watching

2. Ethics in Cyber Security

A. Clearance levels and expectations

B. Examples of wrong ethical choice

C. Ethics and cyber security reputation

D. Black hat, gray hat, white hat hackers and ethics

E. Ethical hackers/Testers versus evil doers

1. Permission

2. Help customer, not damage customer

3. Provide report/information

https://www.youtube.com/watch?v=KXzNo0vR\_dU http://www.nsteens.org/Comics/ChoicesAndCheaters

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