



Mrs. Gentile's Lesson Plan

I.U.P. June 14, 2017 2:00 - 4:00 pm

Lesson Title: On-Line/Tech-Based Engagement and Assessment

Summary:

Based upon pre-camp survey data, teachers will be given time to explore and develop engaging on-line strategies for teaching and assessing Cyber Security First Principles, culminating on Day 4 with the creation of an on-line sharing tool.

Kahoot, Quizlet, Quizizz, Edpuzzle, Google Forms and possibly Hyperdocs will be explored as effective assessment methods with immediate feedback for students.

Grade Band:

PK – 12 Teachers

Time Required:

2 50-minute sessions

Lesson Learning Objectives/Outcomes

Upon completion of this lesson, teachers will be able to:

- Create an active, on-line game to practice the Cyber Security Principles
- Search and critique popular on-line learning games for resources already made
- Create a video lesson for review, assessment or to flip the classroom
- Observe how I use Google Classroom to organize work/activities, retention – building materials, videos, games, assignments
- Apply Webb's Depth of Knowledge levels to all activities and assessments
- List ways teachers can briefly apply the Cyber Security Principles when using technology in front of students in their classrooms

Materials List:

Chromebooks

Webb's DOK reference charts

Google Accounts/Knowledge of Drive

Guided Notes about On-Line Games

How will you facilitate the Learning?

Session 1:

- 1) Review Kahoot (previously played in week) for variations, ways to customize
- 2) Play Quizizz to see its individual assessment records and ways to customize
- 3) Play Quizlet and Quizlet.live on the Chromebooks, both vocabulary-building and communication/collaboration tools

Session 2:

- 4) Demonstrate Edpuzzle; Discuss the benefits of Assessment, Retention-building, Flipping the Classroom
- 5) Demonstrate Google Forms by showing my GenCyber teacher or student survey data, my Friday review forms, how to make quizzes from forms
- 6) Given time, further develop hyperdocs from earlier session (Includes question, links for discovery, create authentic assessment) using Kidsdiscover.com

Mapping to ALL Cyber Security First Principles:

Domain Separation	Abstraction
Process Isolation	Data Hiding
Resource Encapsulation	Layering
Modularity	Simplicity
Least Privilege	Minimization

Assessment of Learning:

TYPE

Name/Description

Oral Questioning	Teachers offer additional examples of each topic demonstrated
Guided Notes	Completed as we discuss each activity
On-line Writing Assignment (Google Slide)	To be completed on Day 4

Accommodations:

N/A, except that some teachers' districts do not have a contract for GAFE, but still have access to Google Docs

Description of Extension Activities:

It would be wonderful if we could work as a team to make a GenCyber Hyperdoc to share on Day 4.

Acknowledgements:

Lisa Highfill, Kelly Hitton, Sarah Landis for Hyperdoc information