Monroe One BOCES
NYS Computer Science
&
Digital Fluency aligned Lesson

Grade Level— 6th Library/Technology Orientation

monroe one EDUCATIONAL SERVICES

NYSCATE Innovate. Educate.

Technology Orientation

Teacher Name:
Course Name: Library
Unit/Theme: Technology Orientation
Time Frame: 39 min.
Grade Level: 6

CONTENT AND SKILLS
Learning Objectives: • Students will collaborate with teammates to solve multiple problems. • Students will be able to identify the types of information that should be protected. • Students will be able to explain why certain types of information should be protected. • Students will create a secure password.
Essential Questions (optional): •
Students I can statements . . . • I can work productively with my peers to solve problems. • I can identify the types of personal information that should be protected. • I can explain why it's important to protect certain types of personal information. • I can create a secure password.
How will you meet the needs of SWD and ELL/MLL students? **How will you make sure this lesson is culturally responsive?** 1. SWD and ELL students will write down their passwords and give them to their service coordinator.
Content Standards List all standards and how learners will meet the standard
• AASL: III Collaborate: D. 2 Grow: Learners actively participate with others in learning situations by recognizing learning as a social responsibility.
NYS Computer Science and Digital Fluency Standards List all standards and how learners will meet the standard
• 4-6.CY.1 - Explain why different types of information might need to be protected. • 4-6.CY.2 - Describe common safeguards for protecting personal information. • 4-6. CY.4 - Model and explain the purpose of simple cryptographic methods.
CASEL COMPETENCIES and/or NYS SEL BENCHMARKS
• 6-8.1A.3c - Demonstrate the capacity to maintain concentration on a task. • 6-8.2C.3b - Demonstrate cooperation and teamwork to promote group effectiveness.

INSTRUCTIONAL PLAN

List the steps of the lesson, including instructions for the students.
How will you make sure this lesson is culturally responsive?

- Students will work in pre-assigned groups to solve the Breakout Box problem. (4-6. CY.4)

- Breakout Box activities:
  1. Students will identify and sort different examples of personal information to be kept private vs. OK to share. (4-6.CY.2)

  2. Each group will write an explanation about why it is important to keep their private information private and share it with their librarian or teaching assistant. (4-6.CY.1)

  3.Students will watch the video https://youtu.be/IhlXtBNNuKs *RBC Cyber Security – Powerful Passwords.* The group will put the steps in order and the first letter of each step is the letter for the mulitlock. (4-6. CY.4)

  4. Students will create their own secure passwords using the steps provided in the video. They will record the password with a UV invisible pen to keep them secure. They will use a checklist to ensure that they follow the suggestions. (4-6. CY.4)

  5. Students will change their school password to their super secure password.

ASSESSMENT(S) / PROJECTS / PRODUCTS

- Students will create their secure Active Directory password. They will assess their password using a checklist.
- Student's successful completion of the breakout box activities will demonstrate their ability to collaborate with peers, identify personal information, and explain why it should be protected.

INSTRUCTIONAL TECHNOLOGY INTEGRATION

- Break Out Box activities
- YouTube video
- Changing passwords on laptops

MATERIALS / RESOURCES

- 1 Breakout Box per group
- Extra UV pens
- All breakout box activity materials.