13+

Cybersecurity

SUBJECT: Safe Online Navigation

LESSON TOPIC: Understanding Cybersecurity

DURATION: 45 minutes (1 Lesson); 1-1.5 hours (Preparation)

LEARNING OBJECTIVES:

Main objective of the lesson

Educate students about the fundamentals of cybersecurity by exploring scenarios such as social media account hacking, the dangers of public Wi-Fi, and others focusing on how to identify these threats and protect themselves effectively.

Competences that students will acquire

Critical thinking, digital literacy, teamwork, and a proactive approach to online safety.

MATERIALS/RESOURCES NEEDED:

- Module 2 (https://www.digi-civis.eu/e-learning)
- Canva Role-play cards (https://www.canva.com/design/DAGO3W91nY0/UNrhhB57zf5erx6WU19P4Q/edit)

METHODS/TECHNIQUES:

Presentation: Deliver a concise introduction to cybersecurity.

Role-Playing: Students will actively engage in scenarios that simulate real-life cybersecurity threats.

Wrap-Up: Conclude the lesson with a reflective discussion.

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LESSON PLAN OVERVIEW

PREPARATION:

The teacher must:

- The teacher must thoroughly review Module 2 on cybersecurity to ensure a strong understanding of key concepts and threats.
- The teacher should also print and prepare the scenario cards for students to use during the role-playing activity.
- No other materials are needed for this lesson.

IMPLEMENTATION:

1. Introduction and presentation (10 minutes)

- **Overview of cybersecurity:** Begin by explaining what cybersecurity is and why it's important in today's digital world. Before diving into the role-playing activity, ask students to evaluate their prior knowledge with questions like, "How would you react if your social media account was hacked?" or "What steps would you take if you accidentally downloaded a suspicious app?" This will help gauge their understanding and prepare them for the scenarios they'll explore in the role-play.

2. Role-playing activity (25 minutes)

- Divide the class into groups of three. Hand out the printed role-play scenarios, ensuring that each group has one scenario to work through.
- Explain that each student will take on a role (e.g., a victim, a helper, or a hacker). They will act out the scenario, discussing how to respond to the cybersecurity threat presented.
- Allow each group 10-15 minutes to act out their scenario and discuss among themselves the best course of action.
- After role-playing, each group will present their scenario and their responses to the class. Encourage the rest of the class to ask questions or suggest alternative actions.

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3. Reflection and class discussion (10 minutes)

- Summarize key takeaways, emphasizing the importance of staying vigilant and proactive in protecting their online presence.

ADDITIONAL INFORMATION TO LEARN MORE:

- What Is Cyber Security? https://www.youtube.com/watch?v=inWWhr5tnEA
- What Is Cyber Security? https://www.youtube.com/watch?v=shQEXpUwaIY

ANNEXES:

- Canva Role-play cards (https://www.canva.com/design/DAGO3W91nY0/UNrhhB57zf5erx6WU19P4Q/edit)

HOMEWORK / ASSESSMENT

Reinforce the concepts learned by having students create a poster that promotes cybersecurity awareness. They can choose a specific threat (e.g., phishing, malware) and provide tips on how to avoid it. Students should use a mix of visuals and text to create an engaging and informative poster. They can use digital tools (e.g., Canva) or create it by hand. Posters will be evaluated based on creativity, accuracy of information, and clarity in communicating cybersecurity tips. Encourage students to share their posters with their families or display them in school.

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