

Cybersecurity

Learning objectives:

1. Students can define cybersecurity in detail
2. Students can determine the importance of cybersecurity
3. Students can identify how to secure their information
4. Students give an example of how to avoid a security breach

Lesson Format:

Estimated time: 45 minutes - 1 hour

What you'll need: Computer or Internet access



Introduction:

In the age of social media, younger generations should know the importance of cybersecurity. This lesson will challenge your students' knowledge and increase their awareness of the cyber world.

Begin the Lesson:

Begin your lesson by asking students to write down every social media platform they have an account with. These can range from their personal emails to any phone app. Have students discuss how these platforms are different from each other and whether or not they keep their social media set on private mode or not. Have the students write down at least three that they are aware of even if they aren't connected to them personally. Have each student circle the one they use the most or know about the most, and have students break up into groups based on the one that they have chosen to circle.

Cybersecurity

Keyword Search:

Have each group look up the definition of cybersecurity and have them define it in their own words. Once they have done this, have the groups locate an article pertaining to a cybersecurity breach with their chosen platform. Have the students summarize what occurred and note whether or not the hacker was caught or identified.

Problem Solving:

Have each group propose solutions for victims of a cybersecurity breach using their article as a basis. How could somebody avoid a cybersecurity breach altogether? What best practice should we exercise in order to protect private information? Once each group has finished, bring everybody back to a full classroom discussion.

Presentation:

Allow each group to explain their definition of cybersecurity to the class. Then, have each group summarize what they found and what measures they believe should be taken to protect one's privacy.

Conclusion:

Which social media platform was the easiest for a hacker to breach? Which one was the most secure? Remind each student to be careful with what they put on the Internet and the information they keep.