

Activity 11-2: Cybersecurity Escape Room

Big Idea

The big idea here is to emphasize the importance and challenge of maintaining online safety in a rapidly changing digital world, and to engage students in understanding cybersecurity through an interactive and creative "Escape Room" activity. This approach not only educates about internet security but also encourages students to actively participate and apply their knowledge by designing their own cybersecurity challenges.

Materials

- Flippity Escape Room
- CompTIA ITF+ Student Guide
- Computer/Tablet with Internet Connection

Vocabulary

Cybersecurity	DDoS (Distributed Denial of Service)
Network Security	Social Engineering
Encryption	Data Breach
Phishing	Antivirus Software
Malware	Spoofing
Firewall	Penetration Testing
VPN (Virtual Private Network)	Incident Response
Two-Factor Authentication	Patch Management
Ransomware	Digital Forensics
Botnet	Risk Management

Background

Staying safe online and making sure others are safe too is like hitting a moving target. We all use the internet every day, for all sorts of things, and we want it to be a positive and safe experience. That's where IT departments come in. They're working hard to make sure everyone on their network is safe - and that includes keeping all the gadgets and the data they hold secure.



For IT pros, it's a never-ending job to keep up with cybersecurity. There are always new dangers popping up. That's why this "Escape Room" activity is so cool. It's your chance to brush up on some key cybersecurity ideas. And guess what? You can get creative and design your own Escape Room challenge using cool info you discover. Keep your friends on their toes and see if they can crack your cybersecurity puzzles!

Activity Directions

1. **Dive into the [Flippity Escape Room](#):** Test out your cybersecurity knowledge. See if you can be the first in your group to break all the locks and ace the challenge.
2. **Hint Hunt:** Need a little help? Click on the light bulbs for clues. But hey, why not up the ante and try to solve the puzzles without any hints? Show off your problem-solving skills!
3. **Team Up or Research:** Working together with your mates or digging up some info is not just okay, it's actually encouraged. Check out the CompTIA Student Guide for some handy tips. Remember, keeping up with the latest in cybersecurity is a must-have skill for future IT pros.
4. **Optional - Be the Game Master:** Feeling creative? [Craft your own Flippity Escape Room!](#) Challenge your classmates or your school's Tech Team to solve the puzzles you come up with. Let's see who's got the tech-savvy to beat your custom challenge!

