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#CSPDWeek2026

#CompSciNJ

@csteachersorg



New Jersey CSPDWeek

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GOING BEYOND THE CURRICULUM

Abby Lahr

<https://canva.link/fpetebwa2fdpj22>

Start

Cancel



WHAT CURRICULUM ARE YOU USING TO TEACH?

Cybersecurity 1

Build a strong foundation in cybersecurity

Okay



CONTENT



THERE ARE SO MANY POSITIVES TO USING A
"CANNED CURRICULUM"



CONTENT



HOW DO I MAKE IT MY OWN?

GOOD OLE CTFS

Incorporate these when you can!
Can it be a warm up? Can it be a Friday tradition?

cyber.org hosts one in September/October?
your state may offer one
there are tons online!

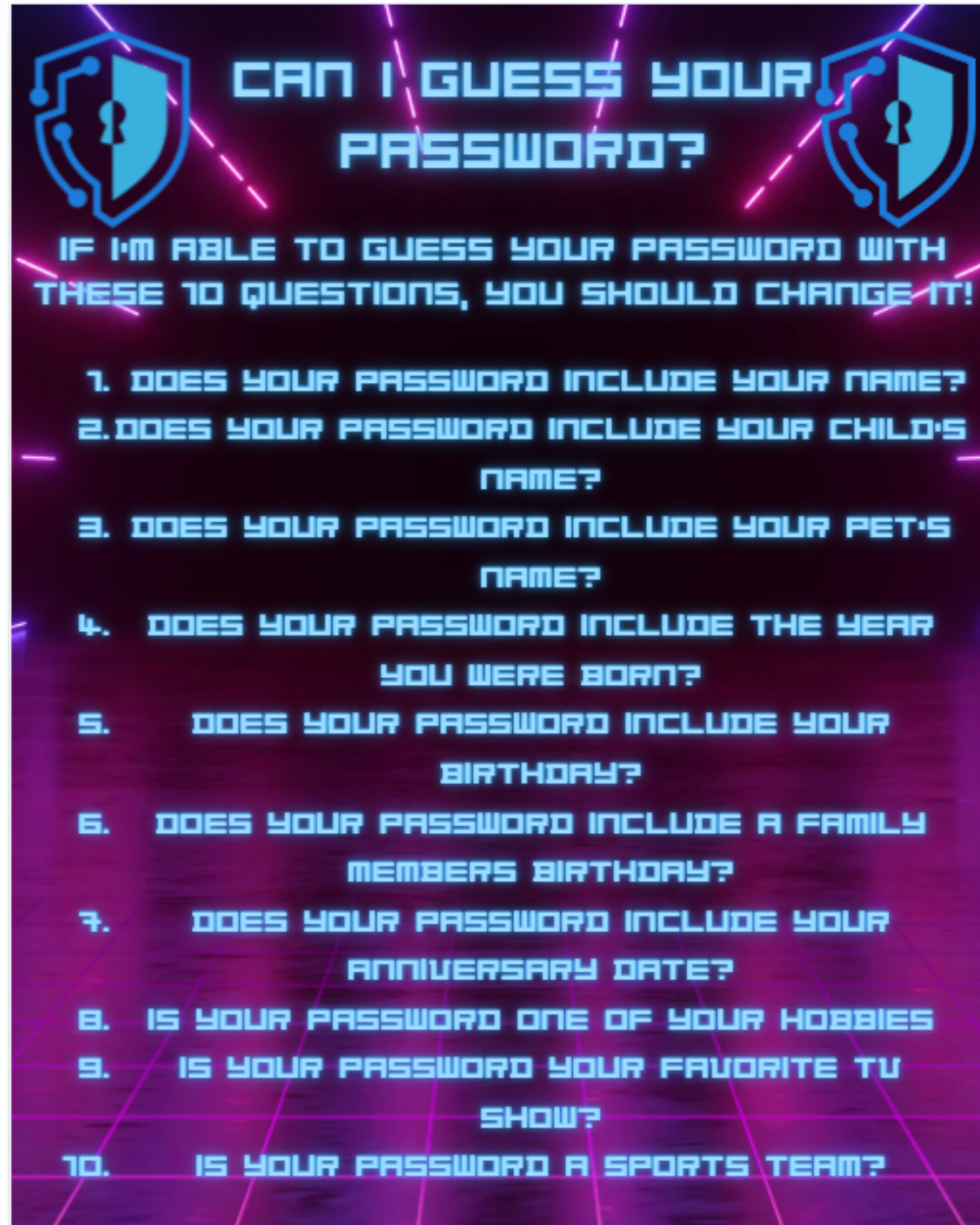


CONTENT



"SOCIAL MEDIA POSTS"

The world NEEDS more cyber education, so can your students take the latest concept and make it into a “post”?

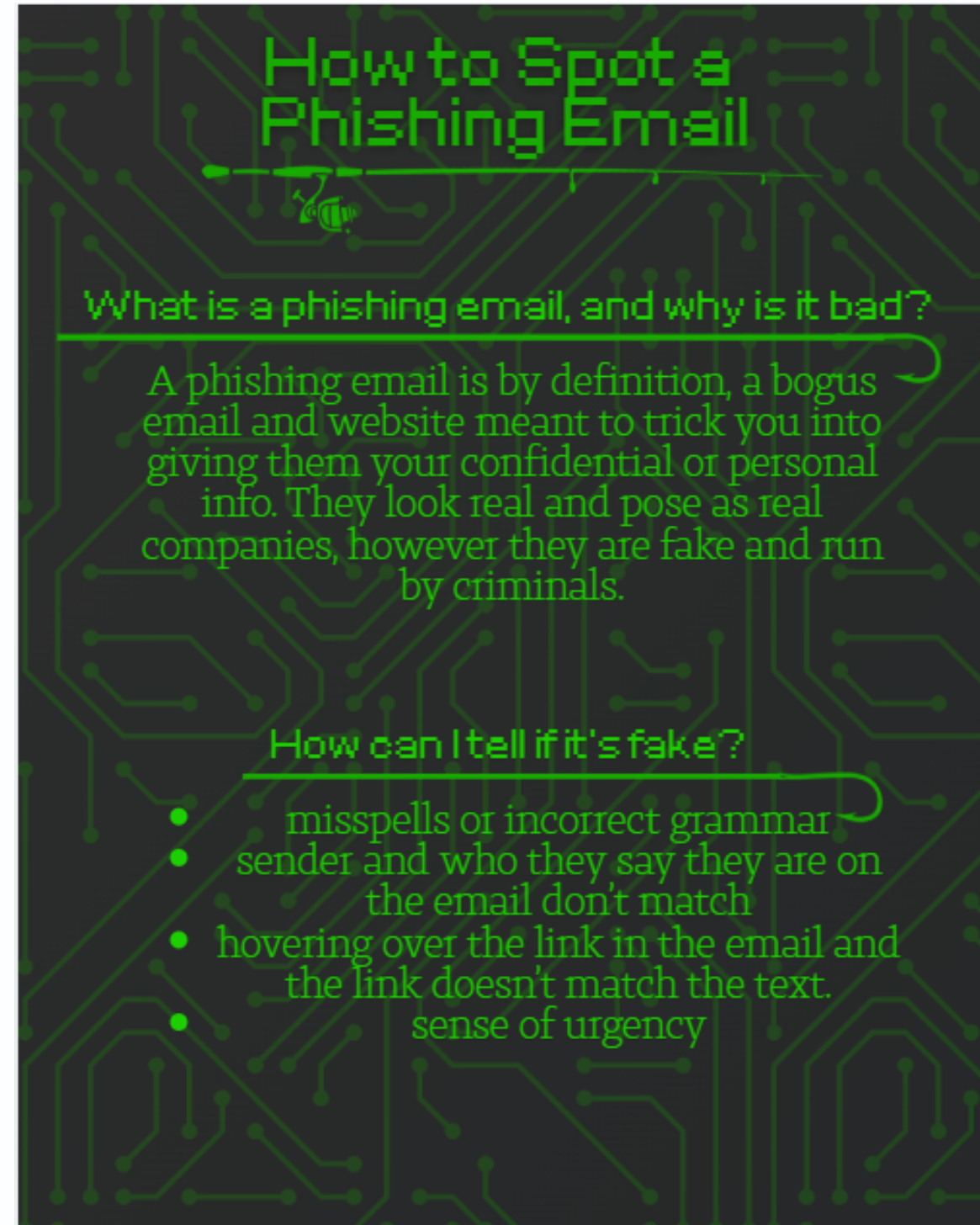


CAN I GUESS YOUR PASSWORD?

IF I'M ABLE TO GUESS YOUR PASSWORD WITH THESE 10 QUESTIONS, YOU SHOULD CHANGE IT!

1. DOES YOUR PASSWORD INCLUDE YOUR NAME?
2. DOES YOUR PASSWORD INCLUDE YOUR CHILD'S NAME?
3. DOES YOUR PASSWORD INCLUDE YOUR PET'S NAME?
4. DOES YOUR PASSWORD INCLUDE THE YEAR YOU WERE BORN?
5. DOES YOUR PASSWORD INCLUDE YOUR BIRTHDAY?
6. DOES YOUR PASSWORD INCLUDE A FAMILY MEMBER'S BIRTHDAY?
7. DOES YOUR PASSWORD INCLUDE YOUR ANNIVERSARY DATE?
8. IS YOUR PASSWORD ONE OF YOUR HOBBIES?
9. IS YOUR PASSWORD YOUR FAVORITE TV SHOW?
10. IS YOUR PASSWORD A SPORTS TEAM?

1.1.2



How to Spot a Phishing Email

What is a phishing email, and why is it bad?

A phishing email is by definition, a bogus email and website meant to trick you into giving them your confidential or personal info. They look real and pose as real companies, however they are fake and run by criminals.

How can I tell if it's fake?

- misspells or incorrect grammar
- sender and who they say they are on the email don't match
- hovering over the link in the email and the link doesn't match the text.
- sense of urgency

2.1.1



BEWARE OF TOO GOOD TO BE TRUE DEALS

"You've hit the jackpot!"

"No, you **ARE** someone's jackpot!"

Scammers will advertise you some very appealing offers, to lure you into putting in your sensitive information leading to all of your online stuff compromised.

LOTTERY

DEBT FREE

FREE

VACAY FREE

DANGER

2.2.1

SCAVENGER HUNT

4.2.1 - Cryptography Basic Concepts	Lesson Guide PowerPoint	Activity - Breaking Ciphers Activity - Breaking Ciphers Answers Activity - Vigenere Try It Teacher Activity - Optional Scavenger Hunt Instructions Activity - Optional Scavenger Hunt Clues Activity - Optional Scavenger Hunt Handout
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We did this again but students created one based on our school!

They used encoding & steganography tools to hide clues around our building.

I've done this after 4.1 this year & after 4.2 last year.



CONTENT



NEW IOT CARDS FOR SPOONS

3.2.1

Device Name	Usefulness	Hack	Hack
Security Camera 	Provides surveillance on a space, compresses the data, and sends it to a receiver	An attacker could activate/deactivate the video feed if they found your username and password.	An attacker can eavesdrop on the transmission by intercepting the signal
Smart Watch 	Reads time and provides uses like a mobile phone such as texting, calling, and tracking health activity	If the device is sitting unmonitored, and attacker can use a passcode to grant access and use all the functions provided	A hacker can take advantage of a vulnerability in the device to remotely control the device, even if it's currently being worn

WIRESHARK EXPLORATION

5.2.2

We took PCAP files from a CTF (or just from the range) and used them to mess around in Wireshark.

Okay

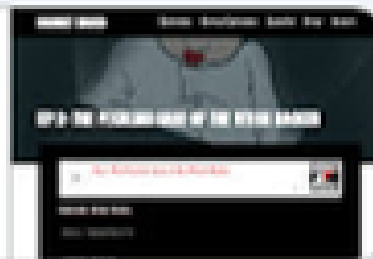
DARKNET DIARIES

6.1.1

What LAW or ethic wrongdoing did the criminal do in this episode? How BAD was it? & Did they get in trouble with the law?

The Peculiar Case of the VTech Hack...

<https://darknetdiaries.com/transcript/2/>



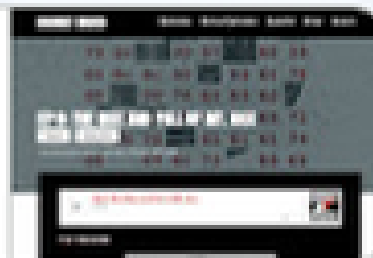
#ASUSGATE – Darknet Diaries

<https://darknetdiaries.com/episode/5/>



The Rise and Fall of Mt. Gox – Darkne...

<https://darknetdiaries.com/episode/9/>



Misadventures of a Nation State Acto...

<https://darknetdiaries.com/episode/10/>



I also did this earlier in the year during a weird week. I printed cybersecurity themed coloring pages & we listened!

WEIRD SPRING BREAK WEEK ASSIGNMENT

Create a parent PSA for something online



WHAT IS ROBLOX
AN ONLINE GAMING PLATFORM WHERE KIDS BUILD & PLAY MILLIONS OF GAMES CREATED BY ROBLOX'S OWN USERS

WHO SHOULD USE IT
ROBLOX STATES THAT 13+ SHOULD BE ABLE TO HAVE FULL ACCESS, WHILE UNDER WILL HAVE CHAT LIMITED

MONEY INVOLVED
ROBLOX IS FREE TO DOWNLOAD, WHILE IN-APP PURCHASES CALLED ROBUX CAN BE PURCHASED TO BUY OTHER IN-GAME ITEMS. IT CAN BE VERY EASILY PURCHASED WITH ONE BUTTON. BE AWARE

BENEFITS

1. LEARNING CODING BASICS
2. SOCIALIZATION
3. TEAMWORK

NEW UPDATE
ROBLOX JUST SHOWED A BIG UPDATE CATEGORIZING WHAT CONTENT AND GAMES ARE SHOWN BASED ON YOUR AGE, FROM ROBLOX KIDS: BELOW 6, ROBLOX SELECTIVE 6-16, AND REGULAR ROBLOX 16+

DANGER ON CHAT OR VOICE CHAT
PREDATOR ACT LIKE KIDS AND LURE KID TO DISCORD OR OTHER APPS AND VERY BAD THINGS CAN HAPPEN

HOW TO PROTECT YOUR CHILD

1. LINK A PARENT ACCOUNT
2. BLOCK UNKNOWN PLAYERS
3. CHECKY ACTIVITY LOGS

WHAT YOU CAN'T FULLY PROTECT

1. FAKE AGE VERIFICATION
2. USER CREATE PLATFORM
3. OFF-PLATFORM CONTACT





SNAPCHAT

Snap It Smart—or Not at All.

A social media platform that includes sending messages, photos (snaps), short videos, stories, a built in camera, and a live viewable map to see your friends location if turned on.

Precautions To Take:

LOCATION OFF
Not everyone needs to see your real time location or where you are in your snaps. Turn it off!!! You don't want people stalking.

STRANGER DANGER
Don't talk to people you don't know, not everyone is who they say they are. Online identity can be easily faked.

DIGITAL FOOTPRINT
Pictures, snaps, messages, screenshots etc. aren't permanently deleted, they're out there forever and can be used against you.

Snap Smart. Stay Safe




BE ALERT! SUPERVISE ONLINE USE!

WHY TWITTER IS DANGEROUS
Children under 16 lack the emotional maturity to navigate the "context collapse" of X, where professional, personal, and toxic content all blend into a single feed.

- Unfiltered Feed: Exposure to graphic violence or adult themes.
- Algorithmic Bias: Increased irritability and "outrage" mindset.
- Open DMs: Vulnerability to strangers and online predators.
- Viral Bullying: "Dogpiling" or public shaming that scales rapidly.

EXPLICIT BY DEFAULT. KEEP X OFF THEIR SCREEN.

PROTECT YOUR CHILD
X.COM
Cultivate a safe, secure, and guided digital space where your child can explore without risk.





VISIT SENIOR CENTERS

Take students to local senior centers to share with them about cybersecurity!

This could also be a great workshop for students to present to THEIR teachers.



CONTENT



LOOK THROUGH OTHER CYBER.ORG MATERIALS

Pringles Can Enigma
Fun with Linux from the Intro to Linux Course
Cyber Society Course >> AICS Projects



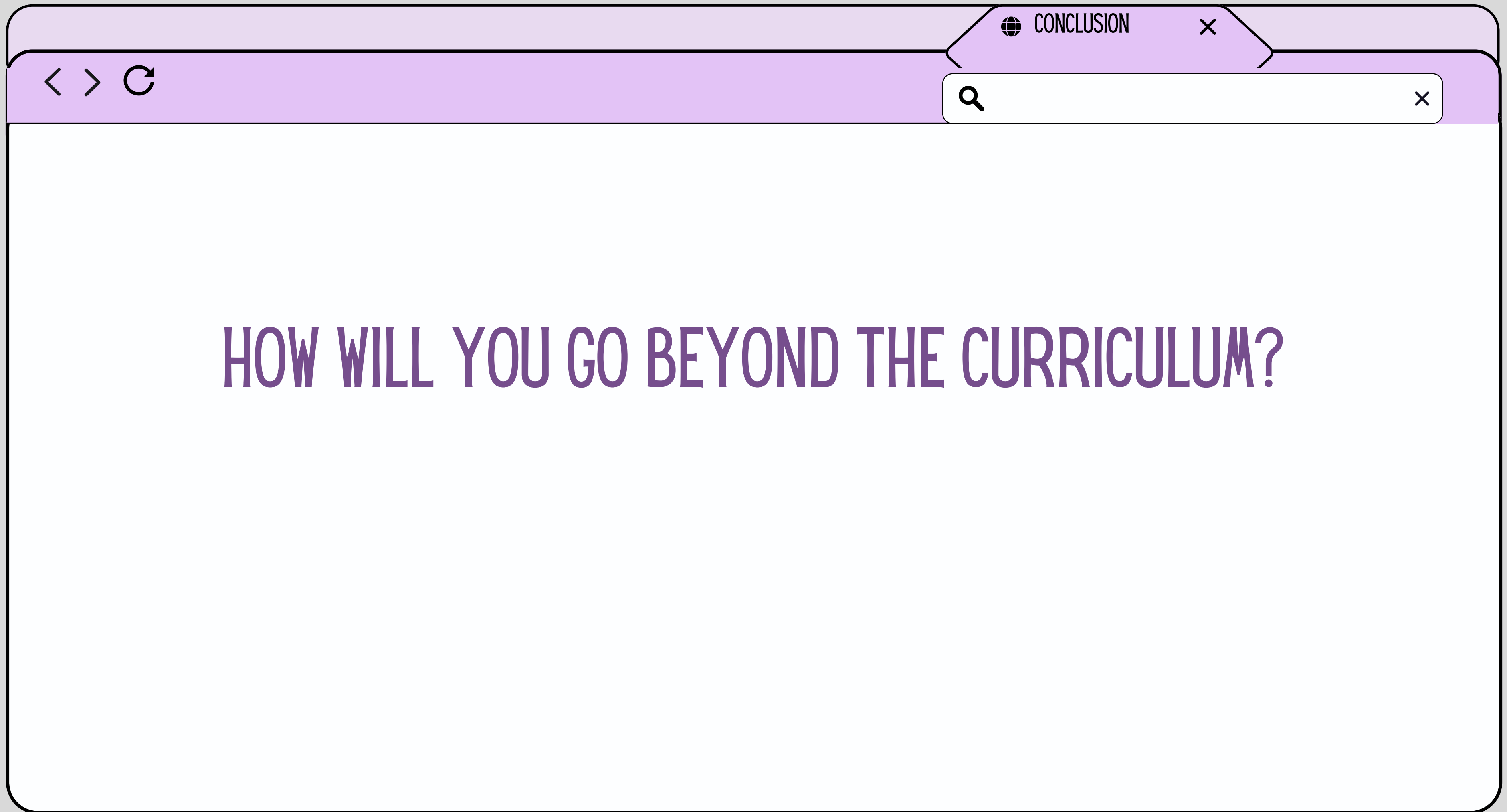
CONTENT



EXPLORE * WITH CYBER IN MIND

Watch a movie and find the problems in their systems

Go on a field trip and discuss their security after



HOW WILL YOU GO BEYOND THE CURRICULUM?



THANKS FOR COMING!

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Supplement Document



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