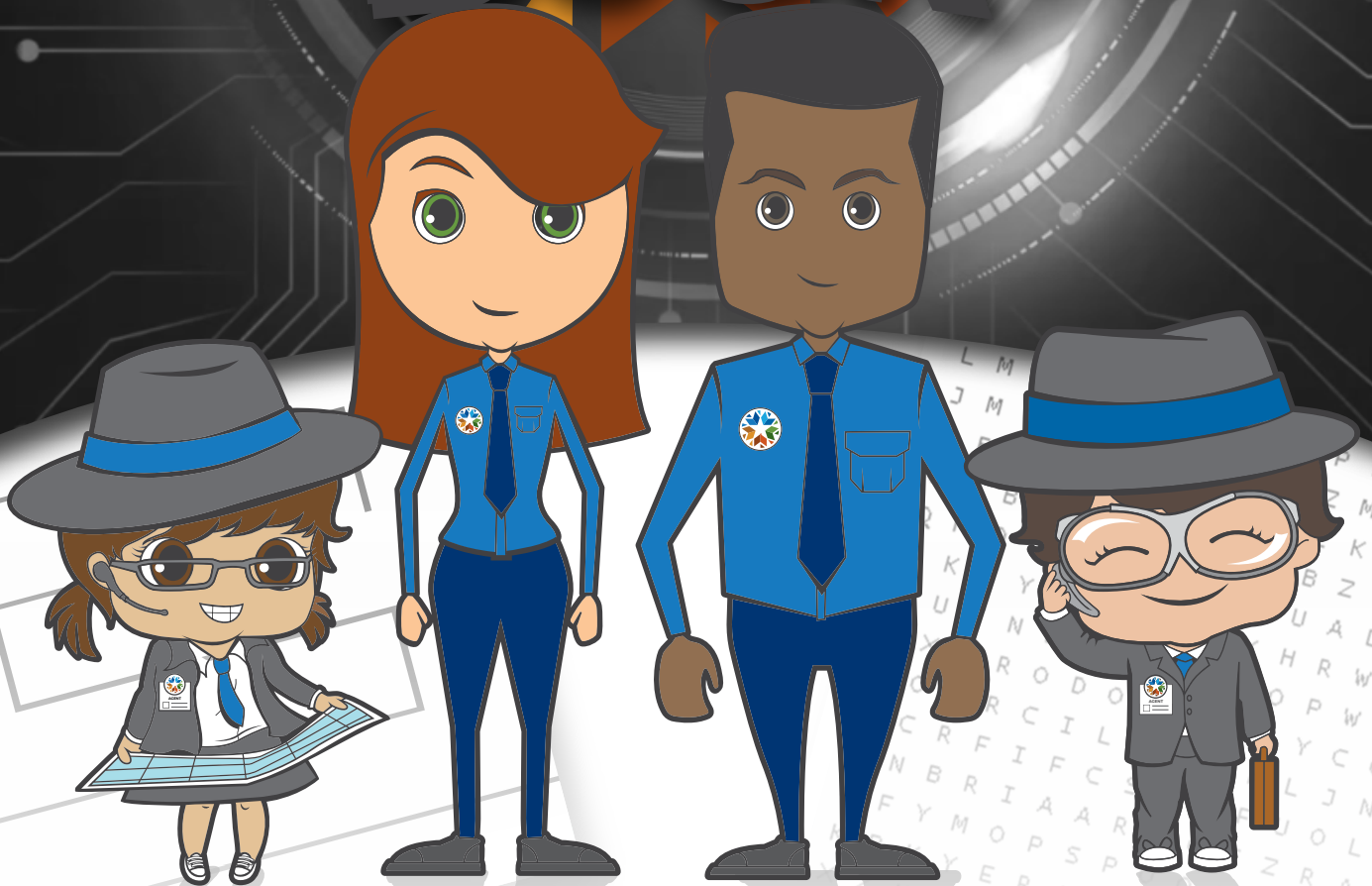


CYBER COMMAND

# ACTIVITY BOOK



**OKLAHOMA**  
OMES Cyber Command



# GLOSSARY

## **BOT**

An Internet robot pretending to be human.

## **CLOAKING**

Hiding under real company names or websites to trick users.

## **CYBER PREDATORS**

People who search online for other people in order to use, control or harm them in some way.

## **CYBERBULLYING**

The electronic posting, often anonymously, of mean-spirited messages about someone.

## **CYBERSECURITY**

Protecting and defending users' computers, servers, mobile devices, networks, and data from online attacks.

## **CYBERSPACE**

A virtual world where devices and people talk on the Internet.

## **ENCRYPTION**

Encoding a message or information to make it unreadable and secretive.

## **MALWARE**

A software program designed by hackers to hijack computer systems or steal private information.

## **MULTI-FACTOR AUTHENTICATION (MFA)**

A method of identity and access management that requires a

user to provide multiple factors of authentication as part of the login process. Factors include something you know (e.g., PIN, password), something you have (e.g., hardware token, phone), and something you are (e.g., fingerprint, facial ID).

## **NETIQUETTE**

Principles of behaving ethically online.

## **NETWORK**

Multiple computers connected to one another.

## **PASSWORD**

A string of characters that helps with authenticating a user during a login process.

## **PHISHING**

A trick to get people to visit websites that steal personal information such as passwords and credit card information.

## **PIRACY**

Illegally copying or using copyrighted digital material.

## **PRIVACY SETTINGS**

Rules on devices and social media accounts to keep information, photos and posts protected from others.

## **RANSOMWARE**

A type of malware that locks a victim's information or system and demands a payment to unlock it.

## **SCAM**

A trick to cheat someone out of something like money or private information.

## **SMISHING**

A form of phishing that uses text messages. (Read Phishing.)

## **SPAM**

A message sent to people without asking, that sales or promotes a product or in some cases floods a text thread.

## **TROLL**

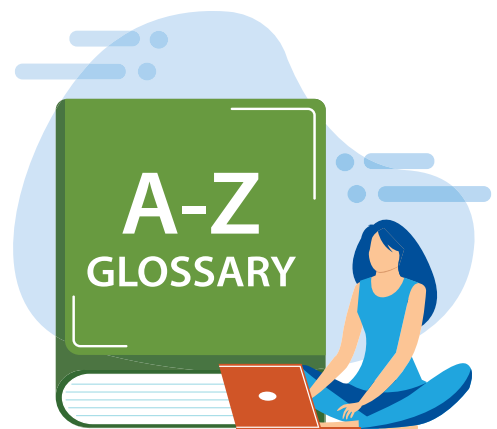
Someone who posts on social media to get a negative reaction.

## **VIRUS**

A type of computer code that infects other computers allowing it to delete or steal files.

## **VULNERABILITY**

A flaw in a piece of hardware, a piece of software, or a security system. Attackers can exploit a vulnerability for malicious purposes.



# JOIN THE OMES OKLAHOMA CYBER COMMAND TEAM!

Cyber Command wants to teach kids how to protect themselves from cyber criminals. First, you need to set up your computer.

Use a crayon or pencil and draw a line from the computer part to its matching vocabulary word.

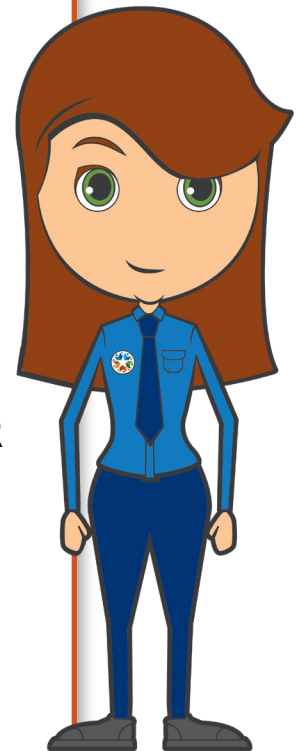
● **MONITOR**

● **KEYBOARD**

● **PRINTER**

● **COMPUTER TOWER**

● **MOUSE**



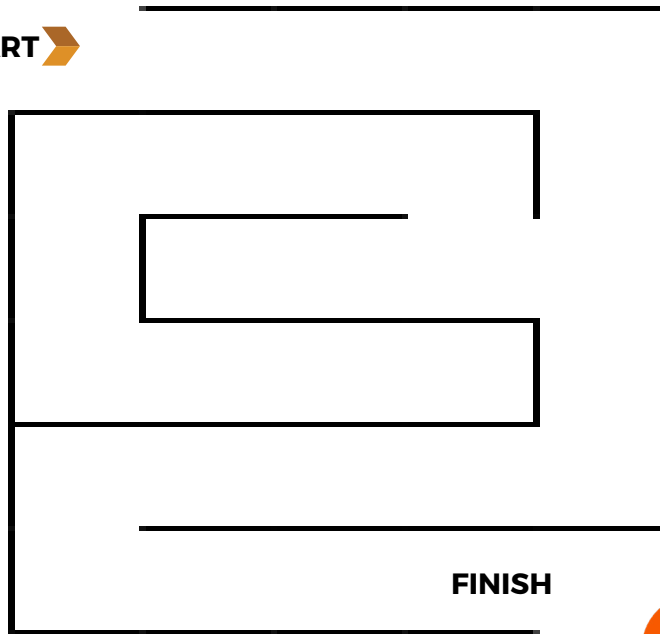
# OH, NO!

Cyber Command called to tell you a hacker broke into your laptop and is stealing data!

Use a crayon or pencil and draw a line from start to finish through the maze to get to the hacker before he steals it all.



START



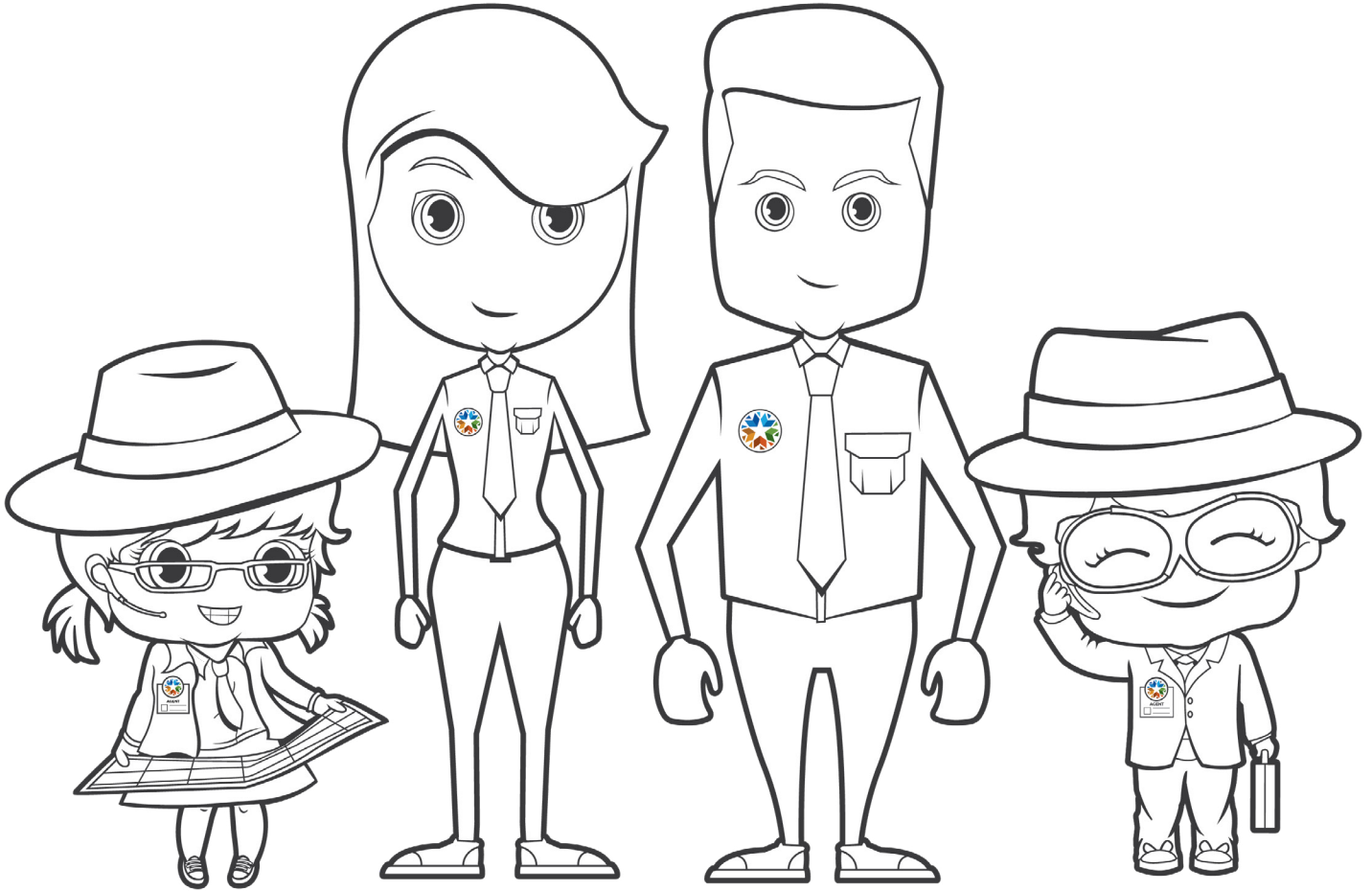
FINISH

YOU CAUGHT HIM!  
GREAT JOB!



# IT'S OFFICIAL!

Now that you stopped your first hacker, Cyber Command is ready to make you an official badge!



Color the team and complete your own badge! Draw your photo and write your name.

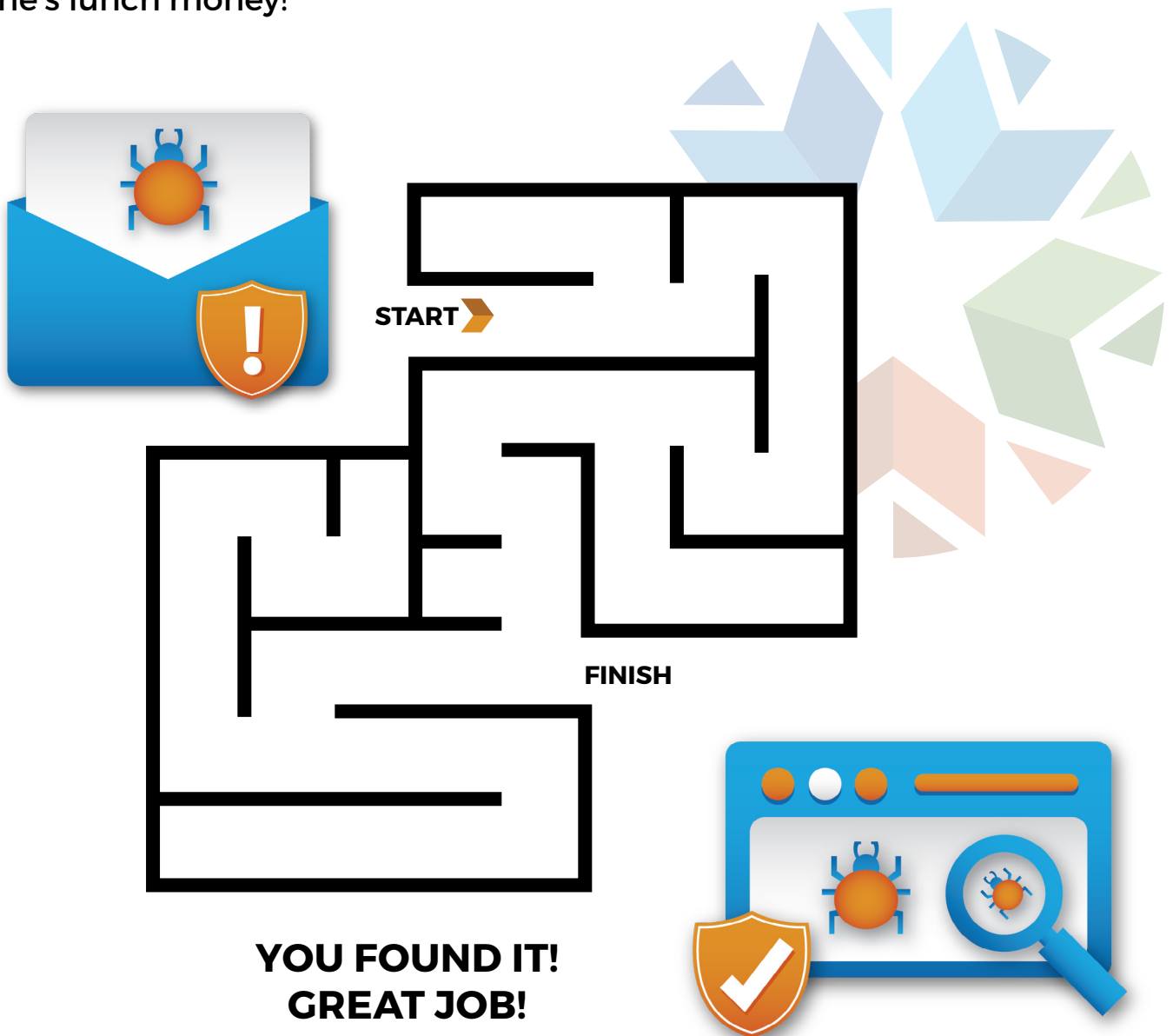
	 <p>NAME: _____</p>
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# RANSOMWARE ATTACK!

Someone hacked into the school's cafeteria computer and stole everyone's lunch money!

They want double the amount of money to give it back. Cyber Command never makes deals with bad guys, so we need to hunt for their ransomware program to stop them!

Draw a line from start to finish to shut down their attack and get back everyone's lunch money!



# HACKING 101

Search in the letters from left to right and up and down to find the hidden words. Use a crayon or pencil to cross them out. We found one to help get you started.



CLOAKING

ENCRYPTION

FIREWALL

MALWARE

PASSWORD

PAYLOAD

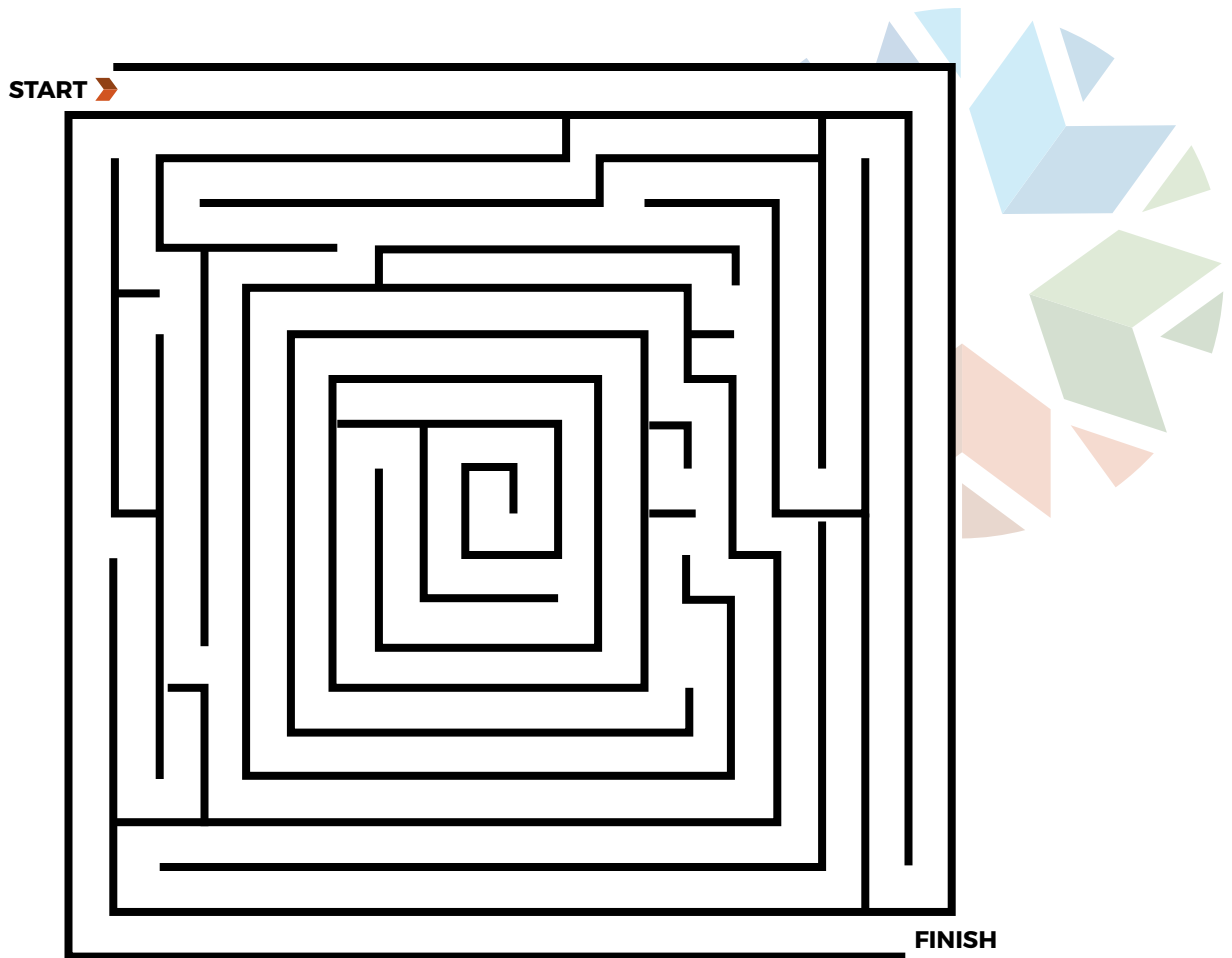
~~PHISHING~~

RANSOMWARE

SPOOFING

# The hacker is back!

He has learned more tricks. Draw a continuous line from start to finish to try and stop him! You may need to ask a trusted adult to help on this one.





# Word Search with Hidden Message

This puzzle is a word search puzzle that has a hidden message in it. First find all the words in the list. Words can go in any direction and share letters as well as cross over each other.



EMAIL                      NAME                      NUMBER                      PHONE  
 ADDRESS      ~~BIRTHDATE~~      PASSWORD

Once you find all the words, copy the unused letters starting in the top left corner into the blanks to reveal the hidden message.

N    V                      S                      P

I

Need help? Answer key on the back cover.

# Cybersecurity Crossword Puzzle

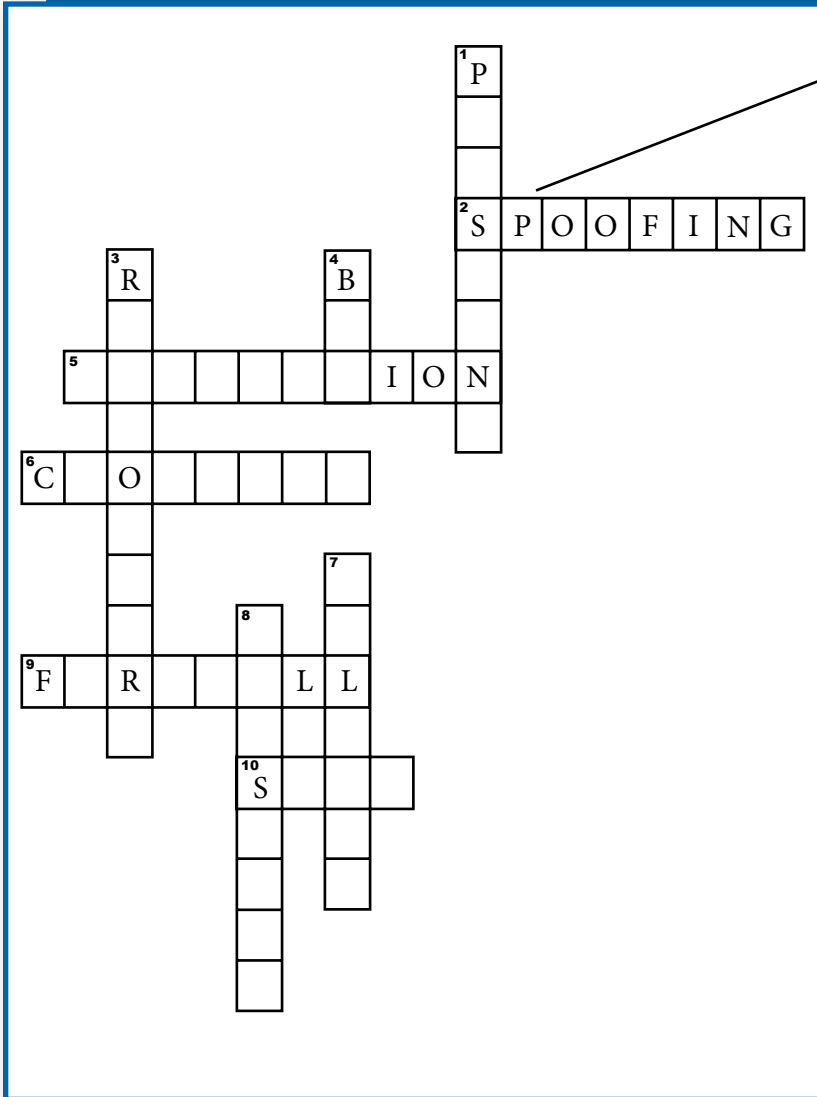
Use the clues on the right to decide what Cybersecurity word will fit in the boxes. Use one letter per box. Hint: Words from the Glossary on Page 1 and on Page 6 will help!

## WORDS GOING ACROSS

2. changing the email title or IP to make it look safe
5. encoding a message or information to make it unreadable and secretive
6. hiding under real company names or websites
9. network security system, which continuously reads incoming and outgoing data to watch for potential threats
10. an email sent to many people that sales or promotes a product or service. Also known as "junk mail"

## WORDS GOING DOWN

1. an attempt to trick people into visiting websites to get their personal information such as passwords, credit card information
3. a type of malware that locks a victim's information or system and demands a payment to unlock it
4. an Internet robot pretending to be human
7. software program designed by hackers to hijack computer systems or steal private information
8. secret word or phrase that acts as a key to unlock a device



# Cyberbullying



## 37% of Gen Z

teens and young adults reported being cyberbullied.

Source: National Cybersecurity Alliance



## Half of teens

felt angry after being cyberbullied, about a third felt hurt, and nearly 15% felt scared.

Source: Security.org

Reports of cyberbullying are highest in **middle schools (33%)**

followed by **high schools (30%)** and **primary schools (5%)**.

Source: CDC.gov



Teens responded to cyberbullying the following ways:

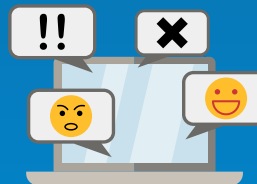
- 36% asked the bully to stop
- 34% blocked the bully
- 34% talked to a friend
- 29% did nothing
- 28% percent signed offline

Source: National Crime Prevention Council

## 70% of teens

said that being able to block cyberbullies was the most effective method of prevention.

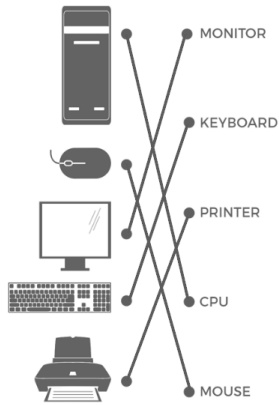
Source: National Crime Prevention Council



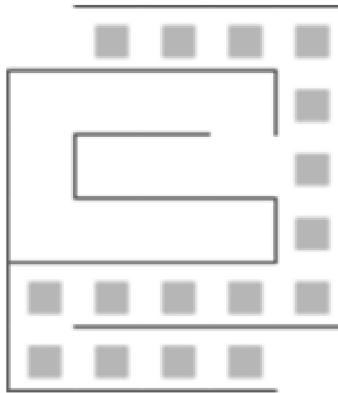
Learn more at

[staysafeonline.org/cyberbullying](https://staysafeonline.org/cyberbullying)

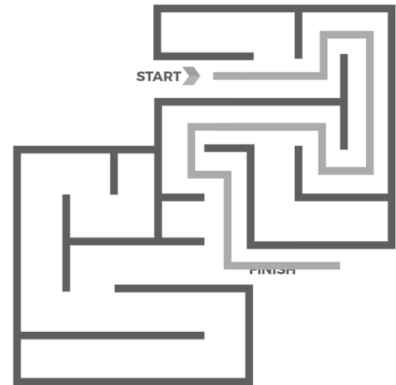
Answer key for Page 2



Answer key for Page 3



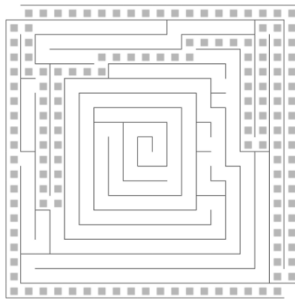
Answer key for Page 5



Answer key for Page 6

Q Q Y F G H W N C A I D O E C  
 L M N W E N H Z T F P I F N R  
 J M C N C Q I Z Y E Z M M C E  
 N B L I Y W G H X I C K R R A  
 G K B U C S N K S R B Z L Y A  
 Q M O L B K I T E I U A D P W  
 D K B Y F M K V R Y H R W T L  
 E U F N D K A X Q A O P W I A  
 A X W R O D O P R W Y Y C O M  
 D O E R C I L G S H N L J N H  
 Q C R F I F C S T T F U Q L R  
 Q N B R I A A R E G E Z R A S  
 O F Y M O P S P O O F I N G D  
 K B X Y E R A W M O S N A R A  
 X Z U F I R E W A L L L I M S

Answer key for Page 7



Answer key for Page 8

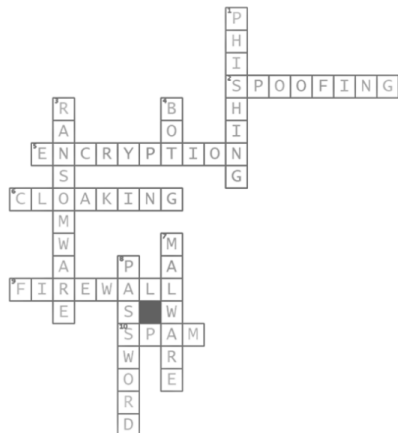


EMAIL	NAME	NUMBER	PHONE
ADDRESS	BIRTHDATE	PASSWORD	

Once you find all the words, copy the unused letters starting in the top left corner into the blanks to reveal the hidden message.

N E V E R S H A R E P E R S E H O N A L I N F O R M A A B O T I R O N Y M H G C X K N S K M H L P M Z C O F R E J J S H G P E Y Q P A W Y I A X B W N N A M K N H M E Z M F A T A O X R D H P S F A E C T A Q A N R O R D S U K Y O E S P T H A B Q E R P E G V Y K R W S M K C R K R E D X Z X U L A Q E T D Q Z A P S T X F C Q Y N E D Q H N B H C S U L P L F T A X J Y K U K N B F S M X S M R D Y D L T P Z J R P C Z G M L R O J P X F

Answer key for Page 9



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