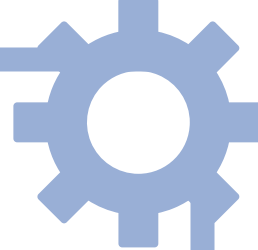




Intro to Computer Security



Introduction

Welcome to the exciting world of cybersecurity! In today's digital age, we use computers, tablets, and smartphones for many things like playing games, watching videos, and chatting with friends. But just like in the real world, we need to stay safe online too.



So what do we need to stay safe from exactly..?

A lot!



The world of online threats



Just like real life, the online world has many threats. Some of the most common we will talk about are:

- Phishing
- Malware
- Cyberbullying
- Identity Theft
- Inappropriate Content
- Online Predators

What's out there?



Phishing

Phishing is when someone tries to trick you into giving them personal information like passwords through fake emails or messages.



Malware

Malware is harmful software that can damage your device or steal your data. Be cautious about what you download or click.



Cyber Bullying

Cyberbullying is being mean to others online through messages, posts, or games. Always be kind and report any bullying to an adult.



Identity Theft

Identity theft is when someone steals your personal information to pretend to be you. Keep your details private.



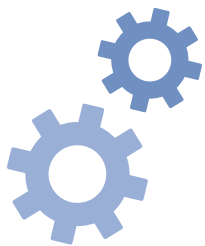
Illegal Content

Inappropriate content includes websites, videos, or games that are not suitable for kids. Close them and tell an adult if you see any.



Predators

Online predators are people who try to befriend kids online to harm them. Never meet someone you only know online and tell an adult if someone makes you uncomfortable.



2FA and Password Tips



2FA / MFA

2FA or MFA is another form of authentication besides your login such as a SMS or email code. This prevents attackers from accessing your accounts even with your password.



Password Guidelines

Passwords should be at least 16 characters and a mix of symbols, letters, and numbers.

Example:

43342fdsFDSA\$@\$s@@fgD



Never Share

Never ever share any of your account details with anyone!



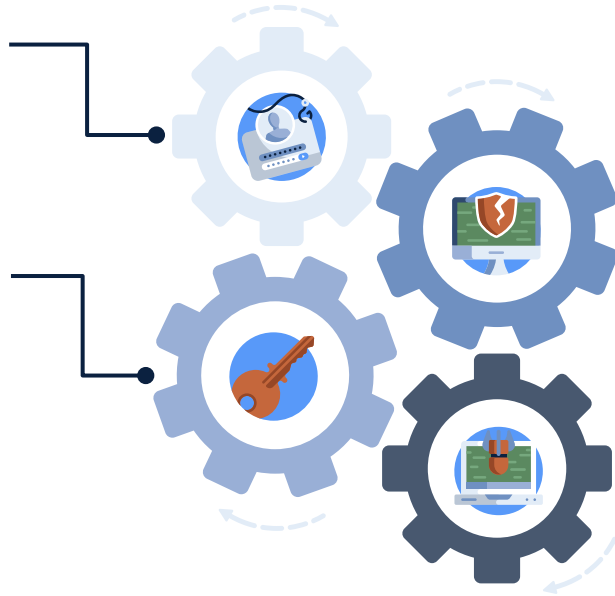
What does malware look like?

Malicious Websites

These can be sites offering free games, software, and other enticing offers.

Phishing Emails

An unsolicited email offering free money or urging you to download something or visit somewhere.

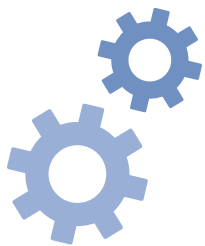


Infected Downloads

Unreliable game stores or shady sites.

Social Engineering

Malware creators might use social media, chat rooms, or online games to trick people into clicking on links or downloading files that contain spyware or other malicious software.



How to recognize Phishing



Grammar or formatting issues

Keep an eye out for grammar mistakes and formatting issues.



Sense of urgency

If a message or email is inducing a sense of urgency on an offer or task this is a red flag!



To good to be true

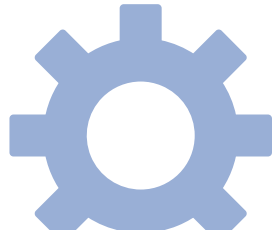
If an offer seems to good to be true it usually is.

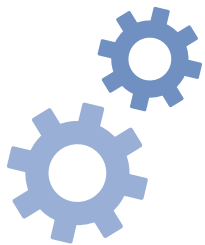




Activity

<https://phishingquiz.withgoogle.com/>





How to recognize cyber bullying



Negative Messages or Comments

If you are receiving hateful, rude, or embarrassing messages this is cyberbullying!



Exclusion or Isolation

Being intentionally left out of online groups, games, or conversations by peers or friends can also be a sign of cyberbullying.



Impersonation or Fake Profiles

Sometimes, cyberbullies create fake profiles or impersonate others online to harass or embarrass people.

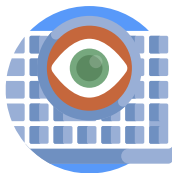


What to do if you are being Cyber Bullied



Block or Unfriend

The first step is to block and unfriend anyone cyber bullying and report.



Save Evidence

If necessary preserve the messages or evidence to show to a trusted party.

Talk to a Trusted Adult

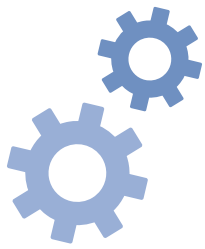
If things aren't stopping confront a trusted adult to get help and provide the evidence



Use Privacy Settings

Always use private accounts and be careful what you share online.





Consequences of Cyberbullying



Legal Trouble

Cyber bullying can fall under harassment and can be punished by law.



Emotional Impact

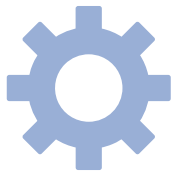
Victims of cyberbullying often experience anxiety, depression, low self-esteem, and other psychological issues.



School/Work Trouble

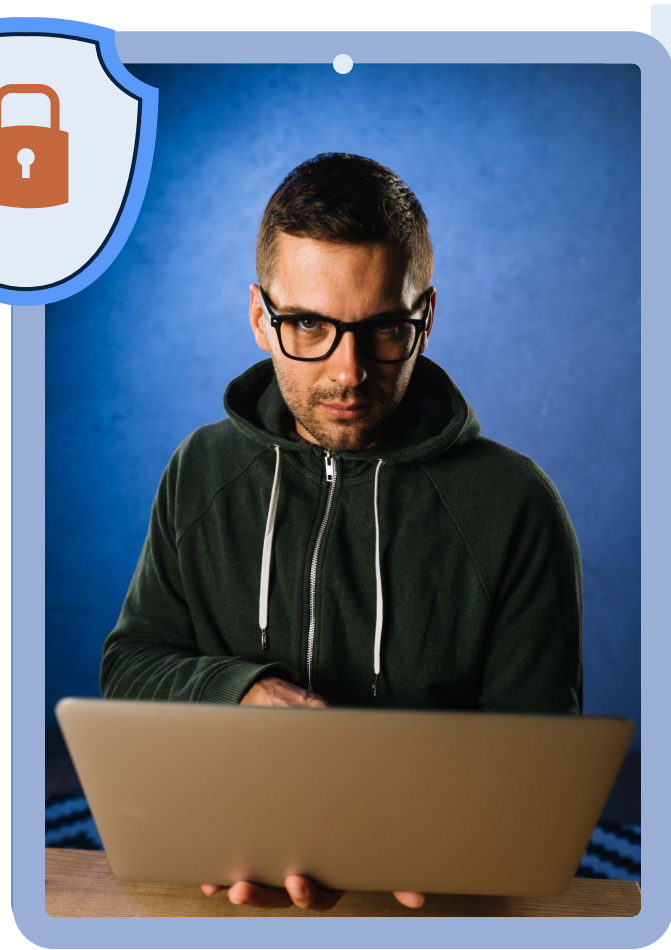
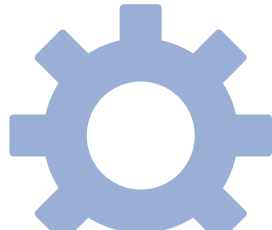
Many schools and workplaces have policies against cyberbullying. Perpetrators may face disciplinary actions such as suspension, expulsion, or termination of employment.

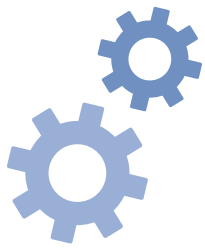




Activity

<https://create.kahoot.it/details/9e60648e-7cef-4113-8c99-19d0fd38b402>





How to recognize Predators



Friendliness or Flattery

Predators often use excessive compliments, flattery, or overly friendly language to gain trust quickly.



Requests for Personal Information or Meetings

Be cautious of individuals who ask for personal information such as home address, phone number, school name, or photos. Predators may also attempt to arrange in-person meetings.



Manipulative or grooming behavior

Watch for signs of manipulative behavior, such as guilt-tripping, threats, or pressure to keep conversations secret from parents or guardians.

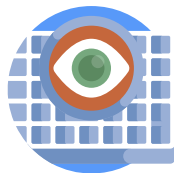


What to do if you are contacted by a predator



Block and Report

Immediately block the individual and report them to the platform or website where it occurred. Most platforms have reporting tools for these situations.



Save Evidence

Preserve any evidence of the communication, such as screenshots or saved messages. This documentation can be helpful if you need to report the incident to law enforcement.

Talk to a Trusted Adult Immediately

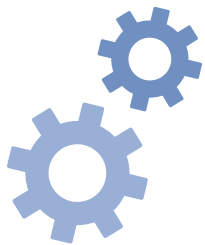
Inform a trusted adult such as a parent, guardian, or teacher about the contact.



Educate Yourself

Learn about online safety practices and strategies for recognizing and avoiding predators.





How to recognize Identity Fraud



Unusual Account Activity

This can be transactions made, posts, or subscriptions you did not make.



Unexpected Communication

This can be 2FA requests, login attempts, password changes or requests for personal info.



Credit Report Monitoring

Regularly check your credit report for any new accounts opened in your name or inquiries you didn't initiate. Sudden drops in credit score or unfamiliar debts could be signs of identity theft.

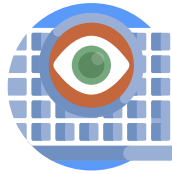


How to recognize illegal content



Cracked or Free paid software

Avoid downloading software labelled as cracked or free downloads of paid software.



Copyright Infringement

Be wary of content that appears to violate copyright laws, such as pirated movies, music, software, or books. This includes websites or platforms that offer downloads or streams

Illegal Markets

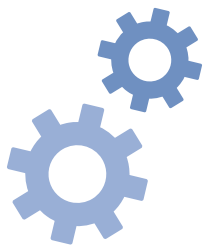
Be cautious of websites or platforms offering illegal goods or services, such as drugs, counterfeit products, firearms, or illegal streaming services.



Fraud Schemes

Content that promotes or offers fraudulent schemes, such as pyramid schemes, investment scams, or misleading advertising practices, is illegal





Consequences of viewing or possessing illegal content



Legal Trouble

Possessing or engaging in some of the content discussed can result in legal trouble with the police.



Social and Professional Repercussions

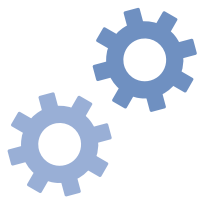
Engaging in illegal content can result in damage to your reputation and relations.



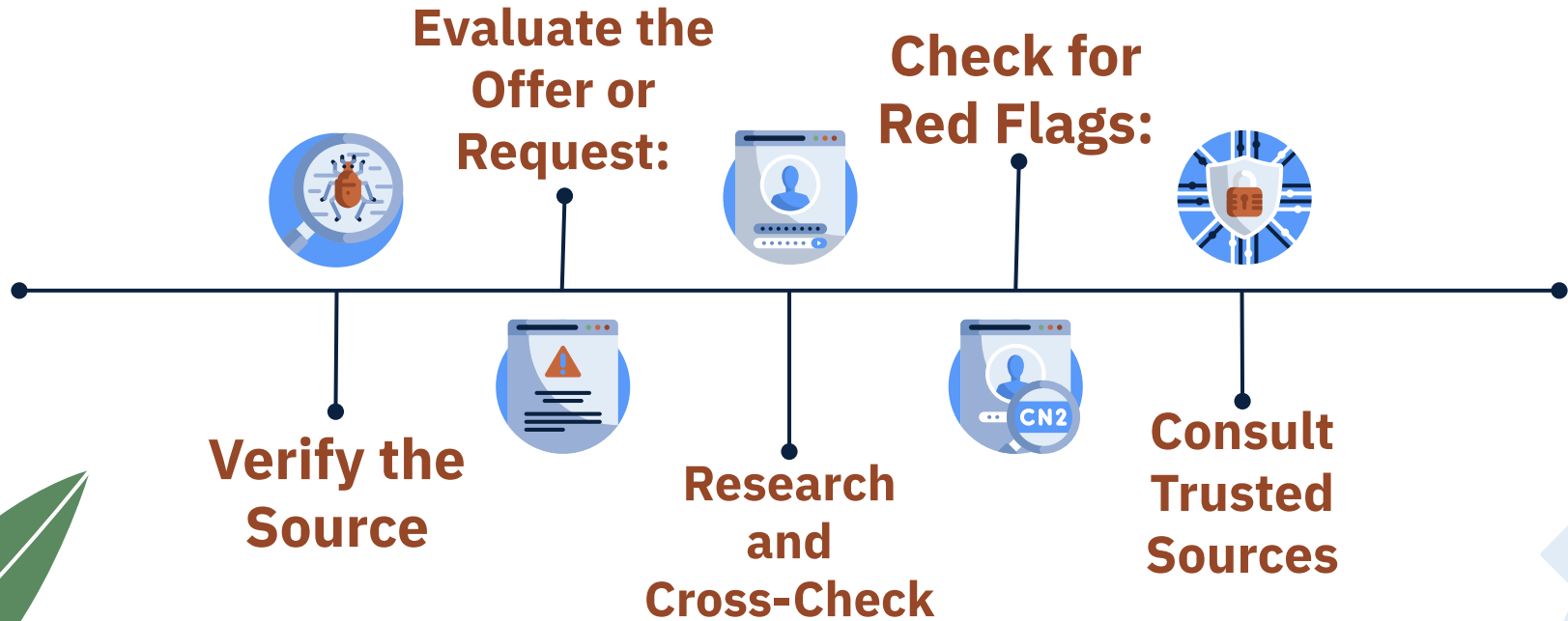
Emotional Impact

Viewing certain material can have a serious long lasting effect on your mental health.





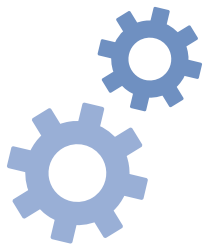
How to identify a scam





Almost There!





Kids online

1

27% of kids admitted to doing or saying something cruel to someone else online.

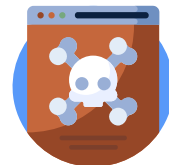
27%



2

Approximately 37% of kids ages 12 through 17 have been the target of cyberbullying.

37%



3




60% of kids have witnessed cyberbullying (and most ignore it).

60%



Source

Tools to stay safe

Tools	Description
 VPN	A virtual private network can conceal your IP and network traffic.
 Parental Control Software	This will allow an adult to keep an eye on you and keep you safe from threats.
 Antivirus Software	This is a must and is usually built in to prevent and get rid of malware.

Tools to stay safe

Set of threats

Description



Password Managers

This is a application to manage all your passwords and creating unique ones.



Ad Blockers

This is another crucial tool this blocks malicious pop ups and redirects.



Privacy Settings on Social Media

Always configure privacy settings on your accounts to stay private.

Games

CyberSec Games

Links



Interlands

https://beinternetawesome.withgoogle.com/en_us/interland



Space Shelter

<https://spacesheltergame.withgoogle.com/>



Password Zapper

<https://training.knowbe4.com/modstore/view/7cb9f864-0d6f-43e1-94f5-f143b33302dd>



Thanks!

Do you have any questions?

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