# Cybersecurity Basics

| What is a Virus? | A malicious set of code meant to harm you and/or your computer |
|---|---|

## Types of Viruses

| | |
|---|---|
| **Spyware** | Records your keystrokes in an attempt to gain personal information |
| **Ransomware** | Locks your computer and demands a ransom be paid |
| **Malware** | Attacks your computer causing malfunctions, crashing and loss of information |
| **Worm** | Uses your processing power and Internet connection for nefarious purposes |
| **Trojan Horse** | Masquerades as a normal program in order to install a virus |

## Antivirus Software

| Free | Subscription Based |
|---|---|
| Windows Defender | Kaspersky |
| Avira | BitDefender Plus |
| AVG | Norton |
| Avast | McAfee |

## Browser Extensions for Privacy

GHOSTERY

**Backing up Your Files**

## Cloud Sto...



iCloud   Dropbox   OneDrive   Google Drive

## Physical Backup

Additional External Hard Drive
USB Flash Drive
Restore Points in Windows

## Firewall

A program that monitors and blocks bad traffic attempting to hack your computer

Windows Firewall
Check with your Antivirus program

## Safe Web Browsers



Google Chrome             Mozilla Firefox



Microsoft Edge   Apple ...   O...

## Electronic Payment Apps

If purchasing items online, consider using a secured payment app, such as those below



PayPal        Apple Pay        Google Wallet

## Questions to Consider when Browsing

Is this a well-known site?
Have I used this site safely before?
Does the site make me feel uncomfortable?
Is this site asking for personal information?

## Best Practices for Browsing & Email

Only download from official company websites
Do not click on pop-ups or advertisements
Only provide information to trusted sources
If it sounds too good to be true, it usually is
Only open links from trusted email addresses
Beware of hacked messages from "friends"
Check settings on your spam/junk filter
Add 2-Step Verification for more protection

## Tips for Creating a Strong Password

Use a minimum of 8 characters
Consider a string of words
Use Upper & Lowercase letters
Include Numbers & Symbols

ThisExample3d74
Ilovemycatfluffy7$
Lizardoceaniswavey8!

## For Additional Security

Don't use the same password for multiple accounts
Save your passwords on paper rather than on the computer
Avoid letting your browser save passwords

## Online Resources

**Website Authenticity:**

**Worried about a Scam:**

**Unsure about purchasing from a specific website:**

**See if your email security has been compromised:** https://haveibeenpwned.com/