Agenda

• What’s a Virus?
• Antivirus Software
• Web Browsers
• Passwords
• Safe Internet Use
• Buying online
• Updating
• Privacy
What’s a Virus?
What is a Virus?

A malicious set of code meant to harm you and/or your computer

How can my computer become infected?

- Emails from infected computers
- Downloads
- Bad websites
- Clicking dangerous popups
A Virus Can...

- Record your keyboard strokes (Spyware)

- Steal private information such as passwords, credit card numbers, etc. (Spyware)

- Hold your files hostage (Ransomware)
A Virus Can...

- Move to your computer with nothing more than an internet connection (Worm)
- Masquerade as a normal program which then installs a virus (Trojan Horse)
- Cause your computer to malfunction, crash and become non-responsive (Malware)
Searching through ads

Antivirus Software
Free Antivirus Software

Windows Defender

AVIRA

AVG

avast!
Subscription Antivirus Software

Kaspersky: Top rated by most reviews!

Bitdefender Plus

Norton

McAfee
Secondary Defense Software

Malwarebytes

Spybot
What is a Firewall?
A program that monitors and blocks bad traffic attempting to hack your computer.

Do I have already have a Firewall?
- Windows Firewall
- A firewall is built into most paid antiviruses
Web Browsers
Safest Web Browsers

1. Google Chrome
2. Fire Fox
3. Windows Edge & Safari (mac only)
4. Opera
Browser Extensions for Privacy

- Adblock Plus
- Disconnect
- Ghostery
- HTTPS Everywhere
Searching through ads

Passwords
Create a Strong Password

• Use a minimum of 8 characters (longer is better)
• Use a long string of words
• Add numbers & symbols at the end (IE: !@#$)
• Use Upper and Lowercase letters

Example:
• Thiswouldbegood74
• Ilovemycatfluffy7$
• Lizardoceaniswavey8!ocities
Passwords

Best Password Practices

• Never use the same password for multiple accounts
• Save your passwords on paper rather than on the computer
• Avoid letting your browser or programs save passwords for better security
Passwords

**Saving Passwords Safely with a Program**

- Encrypts and protects your passwords on your mobile or desktop device
  - Is compatible with Android, IOS, Chrome, Firefox, and Safari
- **Sticky Password**
  - $30 a year or $150 for lifetime
- **Keeper**
  - Free version or $30 a year
- **True Key**
  - Free version or $20 a year
Safe Internet Use
Safe Internet Use

Question to consider before proceeding

• Is this a well known site?
• Have I used this site safely before?
• Does this site make me feel uncomfortable?
• Is this site asking for things I don’t want to share?
• Do I have a reason to trust this site?
Safe Internet Use

- Do not click on popups
- Only give out private information to a trusted site
- Avoid clicking on strange links or advertisements
- If it sounds too good to be true it probably is
Safe Internet Use

• Only download from official company websites
Browser Blocking Tools
Safe Internet Use

Google Transparency Report

Safe Browsing Site Status
Google’s Safe Browsing technology examines billions of URLs per day looking for unsafe websites. Every day, we discover thousands of new unsafe sites, many of which are legitimate websites that have been compromised. When we detect unsafe sites, we show warnings on Google Search and in web browsers. You can search to see whether a website is currently dangerous to visit.

Status of: www.gailborden.info

Current status: Not dangerous
Safe Browsing has not recently seen malicious content on www.gailborden.info.
Safe Email Use

• Only click on links/download files from trusted emails

• Beware of hacked messages from “friends”

• Delete emails asking for personal information

• Google text of sketchy emails to check for scams

• Companies, like Microsoft, will never email or call you about problems with your computer
Safe Email Use

FEDERAL TRADE COMMISSION

CONSUMER INFORMATION

MONEY & CREDIT
HOMES & MORTGAGES
HEALTH & FITNESS
JOBS & MAKING MONEY
PRIVACY & IDENTITY
BLOG
VIDEO & MEDIA

SCAM ALERTS

what to know and do about scams in the news

Crooks use clever schemes to defraud millions of people every year. They often combine sophisticated technology with age-old tricks to get people to send money or give out personal information. They add new twists to old schemes and pressure people to make important decisions on the spot. One thing that never changes: they follow the headlines — and the money.

Stay a step ahead with the latest info and practical tips from the nation’s consumer protection agency. Browse FTC scam alerts by topic or by most recent.

Most Recent Scam Alerts

Phony calls about health insurance
February 18, 2016

Spread the word about government imposters
February 12, 2016

Looking to get a high school diploma? Watch out for scams.
February 10, 2016

Get Scam Alerts by Email

Browse Scams by Topic
Cars
Charity
Safe Email Use

• If you have been pwned change your password!

• Is your email account secure after all the password breaches? Check it at https://haveibeenpwned.com/
2-Step Verification

• Increases your security by texting you a code to access your account

• Greatly increases security of any account

• You know if your account was hacked right away
Safe Email Use

Marking an Email as Spam

1. Select the email
2. Mark it as spam
Create a filter using the domain name to block all email addresses from that location.

Ex: Filtering “gailborden.info” will block all emails from the library and staff.
Purchasing Online
Purchasing Online

- Use an electronic payment system for higher security. It is safer to keep your credit card information in one place.
Safe Internet Use

![Image of a screenshot from ScamAdviser.com showing a website with a high trust rating and safe to use.](image)

- **Check Website**: amazon.com
- **Trust Rating**: High Trust Rating. This Site Looks Safe To Use.
- **Popularity**: Very Popular
- **Risk Level**: High Risk
- **Est. Website Value**: $3,441,428.57
- **Looks Safe**: 100%

This image illustrates how ScamAdviser.com assesses website safety and provides a rating to help users make informed decisions about online transactions.
2-Step Authentication

• Use credit cards with two step authentication for highest security

• Credit cards with 2 step authentication
  • Chase
  • Discover
  • Citibank
  • Bank of America
  • Charles Schwab
  • and many others
Updating
Updating

• Avoid using unsupported Operating system (Windows XP, Windows Vista, 7(2020), Mac OS X Leopard)

• Upgrade to the newest operating system for your device when possible

• Update your apps or programs when notified

• Set up automatic updates
Privacy
Turn off Google Tracking

1. Go to myaccount.google.com
2. Click on **Data & Personalization**
3. Select the activity type to make changes

![Google Account Menu](image)

- **Data & personalization**
  - Web & App Activity: On
  - Location History: Paused
  - Voice & Audio Activity: Paused
  - Device Information: Paused
  - YouTube Search History: Paused
  - YouTube Watch History: Paused

![Google Account Settings](image)
Turn off Google Tracking

- Toggle off anything that makes you uncomfortable

- Location History (paused)

- Voice & Audio Activity (paused)

- Device Information (paused)
Privacy Emails

- End to End Encryption for truly anonymous email

- End to End Encryption for truly anonymous email

- Canadian provider that has been providing secure email since 1999
Privacy VPNs

For the best privacy use a **VPN**

- What is a VPN?
  - Stands for Virtual Private Network
  - Encrypts your internet Data
  - Private web browsing, downloading, and uploading
  - Almost impossible to be tracked
VPNs

Free

• Opera developer browser has a free VPN built in
• Total VPN (Free)
• Cyber Ghost VPN (Free)

Paid

• Total VPN paid version $4.99 per month
• Private Internet Access VPN $6.95 per month
• Nord VPN $8 per month
Private search engines

- DuckDuckgo.com
- Startpage.com

*These search engines do not...*
- Track your browsing info
- Save your searches
- Target you with ads
- Use your past searches to bias the result

Startpage.com uses Google search, but hides your information.
Private Web Browser

- Tor browser
  - [www.torproject.org](http://www.torproject.org)
  - Prevents tracking
  - Creates an anonymous browsing experience
Questions?

THANKS FOR COMING!