# **Working Online**

## Internet Service Provider (ISP)

### Dial-up (obsolete), DSL, Cable – Net Zero, AT&T, Verizon, Comcast, Cablevision

### WiFi – Hotels, Restaurants, Coffee shops

### 3G/4G – Phone, Telecommunications, Pictures, Video, Internet

## Internet Usage

### E-mail – Hotmail, Gmail, ISP provided mail

### Communications – Instant messaging, Twitter, Facebook, …

### Information – How-to, recipes, other - ex.: [http://www.irs.gov](http://www.irs.gov/)

### Transactions – Banks, stores, web only vendors

## Browsers

### Internet Explorer – Microsoft Corp.

### FireFox – Mozilla Corp.

### Chrome – Google Corp.

## Search Engines

### Google – Google Corp.

### Bing – Microsoft Corp.

### Yahoo – Yahoo! Inc.

## Security Applications

### Free – MS Security Essential, Comodo, ZoneAlarm, Avast!, AVG, BitDefender

### Not Free - Norton , McAfee and Pro versions of the above

## Security Purpose

### Antivirus: defends against malicious files called Malware (bad software) by looking for known viruses via a virus definition database. It can quarantine them or delete them.

### Viruses – Self-replicating programs or data files that send themselves to other computers using your address list, destroy files on your computer or wipe your hard drive.

### Trojans – an innocent looking program, usually free, that may be down-loaded or obtained in some other way intended to control your computer in some way.

### Keyloggers – a spyware program that captures keyboard entries to hidden files and forwards the contents to some other computer at certain times – used to get passwords and personal information.

### Spyware – software used to track your activity on the internet with or without your permission to personalize future ads or collect personal information.

### Hijackers & Backdoor – a program allowing remote users to execute commands on your computer without permission. They can launch attacks on other computers to distribute software (hacking), send ads or block a target computer. They may use your e-mail address list or their own.

### Adware – a program that causes pop-ups to display unwanted advertisements whereby the creator of the ad is paid by the number of clicks. Many antivirus programs will not stop some adware it doesn’t consider malicious.

### Firewalls: block both incoming and outgoing threats by closing most or all network ports and analyzing the data packet contents from open ports for malware. It can only stop the transmission of the file, if you want it to.

## Security Avoidance

### Verify internet sites – if it’s not a major website or you’re not sure don’t go there.

### Don’t click on hyperlinks, in general especially from banks or financial institutions; go to their website directly. Phishing is a method of creating a screen to look like a legitimate one.

### Check if the website is secure before entering personal information – https and lock icon.

### Don’t open e-mail from someone you don’t know or attachments to e-mail you suspect.