



## ■ The Internet

### ☐ Internet Explorer - What is this "Internet thing" that IE connects to?

- ☐ **WAN** - Wide area network - computers connected are not all located at the same location  
(See "My Networks" Start Menu section below for detailed description!)
- ☐ The Internet **IS NOT** the World Wide Web! (Usually written as "WWW") This is a common mistake.
  - ☐ WWW is the web sites themselves and the information they contain including text, pictures, audio, video etc.!

### ☐ Three things you need to access the Internet

#### ☐ **ISP: Internet Service Provider**

- ☐ Your access to the Internet
- ☐ Computers that run software that connects you to the web
- ☐ ISP finds the computer (Server) that has the web pages on it you want to see using the URL (Uniform Resource Locator) you used to specify what web page you want to view
- ☐ Sends the requested web page content back to your computer for your browser software to interpret from computer code into a format that you can use.
- ☐ ISPs and Web hosts work together to show you the Internet content you request using your browser software



### ***"Techie" Teri Tip:***

*The Internet started in the mid 60's as an academic experiment to connect the computers of one US university, (MIT) a lab (National Physical Laboratory in England) and the RAND corporation in the US. It then evolved into a US military project designed to string together computers working on ARPA projects. (Advanced Research Project Agency). By the time Windows XP was created in 2001 there were almost two BILLION pages on the Web!*



#### **▣ Web Hosts**

- ▣ Companies whose computers store the web site files for the web site creators
- ▣ All of the Isp and Hosting Computers are hooked together by "wires" called the Internet "Backbone"
- ▣ No one computer is in charge! Each computer grabs the information (Called "Packets") and sends it on to its destination; either "Up" to the Internet from you or "down" from the Internet to your browser
- ▣ Web Creators pay to have their web pages "hosted" (Stored) on hosting company computers. Most web sites are free to view as they make their money by advertisements, selling you a product, or selling you a service. Some have some free content and the rest is provided to you by offering a membership for a fee.

#### **▣ Web Browser**

- ▣ Software to View the Web Pages and their content
  - Microsoft Internet Explorer
  - Firefox
  - Google Chrome (New)



- Runs on YOUR computer
  - ▣ Sends your access request to the ISPs computer using your account number and password. Then ISP using the URL or shortcut information you provided forwards the page request to the appropriate server.
- Free
- ▣ **Browsing The Internet: An Overview**
  - **Accessing the Internet**
    - ▣ From the Desktop
      - Shortcut: DLC on Internet Explorer Icon
      - Quick Start Bar: LC on Internet Explorer
    - ▣ From the Start Menu
      - Pinned Link: DLC Start Menu Link (Start -> IE Link)
      - Programs Link: DLC IE Link (Start -> Programs -> Internet Explorer Folder -> Internet Explorer Link)



## ▣ Internet Explorer Window (IE) Default Parts

(Get all of the menu's details from Class Four video!)

### ▣ Home Page

- 1<sup>st</sup> page you see (by default)
- Set home page by Tools -> Options -> General -> Type in

### ▣ Title Bar

- Web Page Title
- Minimize, Restore, Close buttons

### ▣ Menu Bar

- File
- Edit
- View
- Favorites
- Tools
- Help

### ▣ Command Bar

- Favorites Button
- Home Page and other Icons
- Window tabs (If tabs activated)

### ▣ Address Bar

- Back button
- Forward button
- Shows current web page URL



- Where you type web page URL to go to new page
  - ◎ URL is like a street address
  - ◎ Must have all the parts
  - ◎ URLs really are numbers, not words!
- Go button
- Refresh button
- Stop button
- Compatibility View button
- Search box

▣ Status Bar (From left to right)

- Link URL if hovering over Internet link
- Security icon (lock)
- Security settings button (globe)
- Popup Blocker status (If on)
- Phishing icon (If on)
- Zoom Level



## ■ Getting Around online:

### ▣ Web URLs

- ▣ Type them in
- ▣ Use Link
  - ▣ Links in documents
  - ▣ Links in email
  - ▣ Links in pictures

### ▣ Forward and backward

### ▣ Favorites /Bookmarks

- ▣ Add a page to your favorites
  - ▣ Dialog box
  - ▣ Folders to keep organized just like files on your computer!
- ▣ Use Favorites to go to a web page

### ▣ Search Engines

(We will cover in more detail on a different day!)