

## **Computer Terminology**

### Computer Terminology

- These terms will be tested.
- Use Pages to take notes during this presentation.
- Be sure to rename and save the document in your folder.

### **Hardware**

- Hardware is the physical aspect of computers.
- Hardware includes the computer, the cables, connectors, power supply units, and peripheral devices such as the keyboard, mouse, audio speakers, and printers.

### **Input Devices**

- Devices that put information into a computer

### **Mouse**

- A mouse is a small device that a computer user pushes across a desk surface in order to point to a place on a display screen and to select a point and then take one or more actions from that position.

### **Keyboard**

- On most computers, a keyboard is the primary text input device.

## **Output Devices**

- Devices that put information out from a computer.

## **Monitor**

- **In computers, a monitor is a device that displays digital signals on a screen.**

## **Printer**

- **A device that accepts text and graphic output from a computer and transfers the information to paper.**

## **Storage**

**Where's my stuff?!?!?!?**

## **RAM Memory**

- **R**andom **A**ccess **M**emory
- A part of the computer that provides only temporary storage of files.

- The space in your computer that loads and works with files.

### Hard Drive

- A part of the computer that stores programs and files permanently.

### **USB**

- **Universal Serial Bus**
- Allows external hardware to be added and removed to the computer without restarting.
- Compatible with Windows and Macintosh OS

### Removable Storage Devices

- Flash Drives
  - Holds up to 256GB as of 2/10/2012
  - SSD or Solid-State Drive, not the typical magnetic drive of a hard disc
- USB or Firewire hard drive

- Holds up to 3 TB

### CPU microprocessor

- **Central Processing Unit**
- The main processing component or brain of the computer.

### Hertz

- a unit of frequency equal to one cycle per second —abbreviation *Hz*

### **Megahertz**

- a unit of frequency equal to one million hertz —abbreviation *MHz*

### **Gigahertz**

- a unit of frequency equal to one billion hertz —abbreviation *GHz*

### **Software**

- *Software is a general term for the various kinds of programs used to operate computers and related devices.*
- *In other words - it's all of the 1's and 0's*

## Operating System

- *Software that controls the execution of computer programs.*
- *Windows, Mac OS, Chrome, Unix, and Linux*

## Bit

- *Binary Digits – the smallest piece of information that a computer can hold*
- *1's and 0's only*

## Byte

- Pieces of computer data stored in a series of eight bits.
- **8 bits = 1 byte**

## Kilobyte

- **KB**

- **1,000 bytes**
- **Or One Thousand bytes**

### **Megabyte**

- **MB**
- **1,000,000 bytes**
- **Or One Million bytes**

### **Gigabyte**

- **GB**
- **One billion (1,000,000,000) bytes or one thousand megabytes**

### **Terabyte**

- **TB**
- **One Trillion (1,000,000,000,000) bytes or one thousand gigabytes**

### **Digital Data**

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- **10000001 - A**

- 10000010 - B
- 10000011 - C
- 10000100 - D
- 10000101 - E
- 10000110 - F

### **MP3**

- Format for compressing audio files
- **Motion Pictures Expert Group** Audio Layer III

### **Online Storage**

- Website to store your data via the Internet.
  - Google Drive
  - iCloud Drive
  - Dropbox

## **Network**

- Two or more devices connected together.

## **Internet**

- A network of networks, all connected together enabling the sharing of information.
- In order to get to the Internet you must connect via an ISP - Internet Service Provider.

## **Modem**

- Device used to connect computers together.

## **Router**

- A router links computers to the Internet, by choosing the best path for the data to travel.

## **Ethernet**

- A cabled technology that connects computers and other devices to a network.



## **Wireless**

- Wireless connectivity uses radio signals to transmit data.

## **Bluetooth**

- Bluetooth is a short range wireless connection for use with cell phones, computers and other electronic devices.

## **Browser**

- A Browser is a piece of software or app that allows a user to view web pages.

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