**Vocabulary #2**

**Fan:** device that dissipates heat by rotating blades.

**Heat sink:** is a component that increases the heat flow away from a hot device. This is made by having a heat conductor.

**Case:** a protector to the computer components.

**Power supply:** device that distributes electrical flow at different voltages to different components at the motherboard.

**Motherboard:** the main component of a CPU that distributes the workflow of any computer operation.

**Port:** is an endpoint in which other cables or devices are connected to ensure communication between both parties.

**Bays:** is an open computer section used for expansion add-ons to your computer, such as a hard drive and CD-ROM drive.

**Processors:** main logical component on the motherboard that executes logical, mathematical, and memory operations inside the motherboard.

**CD/DVD drives**: device that reads the encoded information inside the CDs format.

**Network:** concept that enhances more than one computer to have information flow between them.

**LAN:** named as local area network. A network composed by a local regional geographic site located computers.

**CAT-5 cables:**  is a twisted pair cable for computer networks.

**WLAN:** local network that use radio frequency to transmit and receive data over the air, minimizing the need for wired connections.

**Wireless:** something that doesn’t need wires to have communication or information flow.

**Signals:** property of propagation of waves through the air.

**Router:** device that is in charge to decode and encode signal to the network.

**Antenna:** device that receives and produces electromagnetic waves to send or receive information.

**Broadband:**  is wide bandwidth data transmission which transports multiple signals and traffic types.

**Internet:**  is a global network of billions of computers and other electronic devices.

**Operating system:** computer core software that enhances communication between the hardware and upper core software or operations made inside it.

**Apple:** American enterprise founded by Steve Jobs, Steve Wozniak and Ronald Wayne, that design, manufactures software and service online. It’s one of the biggest companies on Earth. Mostly known to have introduced the smartphone revolution.

**OS X:** the operating system designed and coded by Apple. With a minimalist design and very efficient use of their components.

**Microsoft:** American enterprise founded by Bill Gates and Paul Allen. Their main business or operation focus relies on the software for enterprises, education and building operating systems. It’s known for designing the most used operating system for personal computers.

**Windows:** operating system created by Microsoft. The most used operating system on personal computers.

**Software compatibility:** ability of a software code to be executed on a determined operating system.

**Linux:** operating system created by Linus Torvalds. It’s known to be the most used operating system for servers. Also known to be the most secure operating system, the most customizable and the most preferred by programmers.

**Open source:** characteristic of software written in public so that anyone can use and change.

**Customize:** to change something to be adaptable to your needs.

**Equal:** logical statement that enhances the left side and right side to be the same value.

**Plus/Add:** mathematical operation that sums values.

**Minus/Substract:** mathematical operation that reduces values between other values.

**Times (multiplication):** mathematical operation that calculates the result by add certain number by certain times.

**Over (division):** mathematical operation that calculates the result by substracting certain numbe by certain times.