**How To Build A PC – Informative Speech** 

Speech Topic: How To Build A PC

I. Introduction

A. (Attention getting device) Have any of you ever consider building your own PC? Well this is

the one I built. (Show My PC)

B. (Thesis statement) In order to build a PC one must know the three "P's", which includes the

parts (knowing all the components in a PC), the process (knowing the set order in which to

build the PC in), and the power (understanding all the cables within the PC).

C. (Credibility statement) I have built several computers so far. This is my most recent build and I

figured I could share how it was done with everyone.

D. (Preview main points) Coming up, I'll tell you what you need to buy to build a PC, the order I

found that was the best to build it in, and the cables in the computer and how to computer

operates.

Transition: I just built this computer this summer. I have an intel i7 processor 930, 6GB of Corsair

Ram, GTX 465 Graphics Card, 500GB Hard Drive, P6T Motherboard, and a 850 Watt Crosair

Power Supply.

II. Body

A. What you need to buy (Parts of a PC)

1. Tower

a. Metal Casing that all the computer parts go in.

b. Power Supply

i. Supplies all the power to the computer parts and has all its

plugs coming out of it.

c. Motherboard

i. Every computer part runs through the motherboard. The

mother of the computer

## d. Processor (HeatSink)

 A small chip that lays right down on top of the motherboard. The heatsink is a fan that is almost touching the processor chip to help keep it cool.

### e. Ram

 Random access memory stores computer data and can be accessed in any order.

# f. Graphics Card

i. This can be the most expensive parts of your computer or one of the cheapest. It just all depends if you are an extreme gamer or you are going to be doing a lot of video editing, 3D animation, etc.

## g. Hard Drive

i. This device has all the information stored in it.

### h. Disk Drive

i. The disk drive is how you load your software, games, movies, music etc. onto your computer.

### 2. Monitor

- a. The monitor a screen that you can view everything from your computer on.
- b. DVI or VGA Cable (usually comes with monitor)

## 3. Peripherals

# a. Keyboard

i. The part that you need to type with to operate your computer.

### b. Mouse

i. The mouse lets you navigate through your computer.

## c. Speakers

i. Not a necessity but are used to listen to music, movies, etc.

## B. Process of Building a PC

1. Always put the processer in the motherboard First

- 2. Attach the heatsink to the processor
- 3. Attach the ram to the motherboard. I have always found this a lot easier than having the motherboard attached to the tower.
- 4. Then mount the motherboard on the case.
- 5. Install the hard drive into the case.
- 6. Slide the disk drive into the case. (The easiest part to do)
- 7. Then install the graphics card onto the motherboard
- 8. The last thing you want to install is the Power Supply. This is because all the cables are connected to the power supply and they will get in your way if you install the power supply first. Everything has a power cable to it, USB, SATAs, etc.

<u>Transition</u>: This is only the half waypoint in the process of building a PC. With all the components in place you have to make sure all the cables are connected and in the right place.

### C. Cables in the PC to Connect to Give It Power

- 1. The first thing to do is connect the main power to the motherboard.
  - i. Some motherboards have two plug ins for power so watch out for this. (Mine has two plug ins)
- 2. The graphics card also needs to it power cable connected to it. (Usually called a PCI plug)
  - i. Some graphics cards take up a massive amount of power (such as Mine) so be careful.
- 3. Power cable to Disk Drive
- 4. Power cable to Hard Drive

- 5. Power cable to all your fans
- 6. SATA cable from motherboard to Hard drive
- 7. IDE Cable (Ribbon Cable) from motherboard to disk drive
- 8. USB inputs on tower to motherboard
- 9. Power and reset cable that is located on the tower to motherboard
- 10. Hook up your mic to your motherboard
- 11. Heat sink cable to motherboard

Transition: That is how you assemble a PC from scratch. Now all you have left to do is install the operating system.

## **III. Conclusion**

- A. In order to build a PC one must know the three "P's", which includes the parts (knowing all the components in a PC), the process (knowing the set order in which to build the PC in), and the power (understanding all the cables within the PC).
- B. First you have to buy the parts of the PC, then you need to build your computer in a process that I find best and finally you to connect all the power cables to get your PC up and running.
- C. By following the three P's all of you will be on your to building your very own PC.

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