UNIT 4 - Computer Builds

Components

Group Work 08/11/06

At first to see the parts, my tutor laid all of the internal parts on the table so that we can identify the ones we know of.

The components were:

- Graphics Card
- 'Dim' memory
- Processor
- IDE Cable
- Floppy Cable
- Floppy Drive
- Hard Drive

We identified the internal parts of the dead machine and explained what we knew of the parts.

My tutor explained on how to handle the parts as there are various ways of handling the hardware.

My tutor also explained how to put the parts inside the machine and then we went over this method individually. My tutor then explained what the dangers could be on handling the hardware not correctly.

My tutor then finally explained what each part is for and what it does.

We made many mistakes which were:

- Not connecting the power to the fan
- Not connect the power cable to the hard drive, as the machine will not have anything to boot from when turned on.

My tutor explained and made us realise what the mistakes we had made and how we can avoid them when she came to examine the machine.

Individual Work 08/11/06

I firstly examined the parts carefully so I that I am aware of what they are and what the dangers could be of the part.

I then carefully handled the parts as I was showed by my tutor and placed them according to their slots in the dead machine.

I then connected all the leads to the correct slots and asked my tutor to examine the machine to see if the parts were placed correctly and to see if the wires are placed correctly and if the connection is correct giving power to all parts of the machine.

I looked at the machine after it was built up with the parts inside and tried to examine it.

I then took the parts out and repeated the cycle again to make sure I am confident when it comes to a live machine.

I came across many problems such as 'accidentally dropping the screw inside the case'. I also made a mistake by not connecting power to the hard drive.

I solved these problems by checking the machine properly and

Dead Machine

Group Work 08/11/06

We firstly grounded ourselves by touching a card box and then me and my partner started to unscrew and take out the removal parts from dead machine.

First I removed the graphics card followed by my partner removing the ram and power sockets.

I then removed the hard drive and the 'IDE' cables from the slots and the hardware.

My partner then removed the floppy cable and the processor.

We then examined the parts and my tutor discussed with us, on what the parts were and how they work and what their job is inside the machine.

After examining the machine, I placed all the part back inside the dead machine and also talking along on what I was doing.

I placed the graphics card in its slot and also screwed it into place.

I made few minor mistakes, these were:

- Placing the IDE cables incorrectly
- Not connecting power cable to the front fan
- Not holding the 'dim' memory correctly

But my tutor explained on how I could improve them and what dangers could be involved. I had some help from the teacher and with this information it helped me a lot.

Individual Work 15/11/06

First of all you need to ground to yourself by touching the sides of the case or by touching a card board box to avoid static electricity is in your hands.

Connect the processor in the processor slot on the motherboard, once the processor is placed firmly in the slot; connect the wires to power the fan on top of the processor. Connect the wires near the bottom left hand corner.

Connect the 'dim' ram in the ram slot but pushing it down firmly, putting equal force on each side when pushing down.

Connect the 'IDE' cable to 'IDE 1' on the motherboard to make the hard drive boot. I then connected the 'floppy cable' to the motherboard in the floppy slot.

I picked out the right cables to power the hard drive and the floppy and then connected it to the back of the hardware.

I then connected the 20pin power socket to the mother from the power supply, to power the motherboard.

Connect the graphics card in the 'AVG slot' to upgrade the display on the screen of the system and also screw it into place.

I then finally connected the power socket to the fan at the front of the case.

I had very fewer problems but one of them was looking for the IDE 1 slot. My tutor then explained to me where it is most often written on the motherboard.