

# **Lesson Material – (2) Presentation Slides**



### 1. CPU Central Processing Unit

- The main component of a computer
- Control all different component to work together





### 2. CPU Fans

CPU Fans keeps the CPU cool, it helps to:

- (i) maintain its performance
- (ii) protect the CPU from burning



# 3. Motherboard

 Connects all components, allowing the units to communicate





### 4. RAM

### Random Access Memory

- RAM is the working memory for a computer
- It loses all data when there is no power



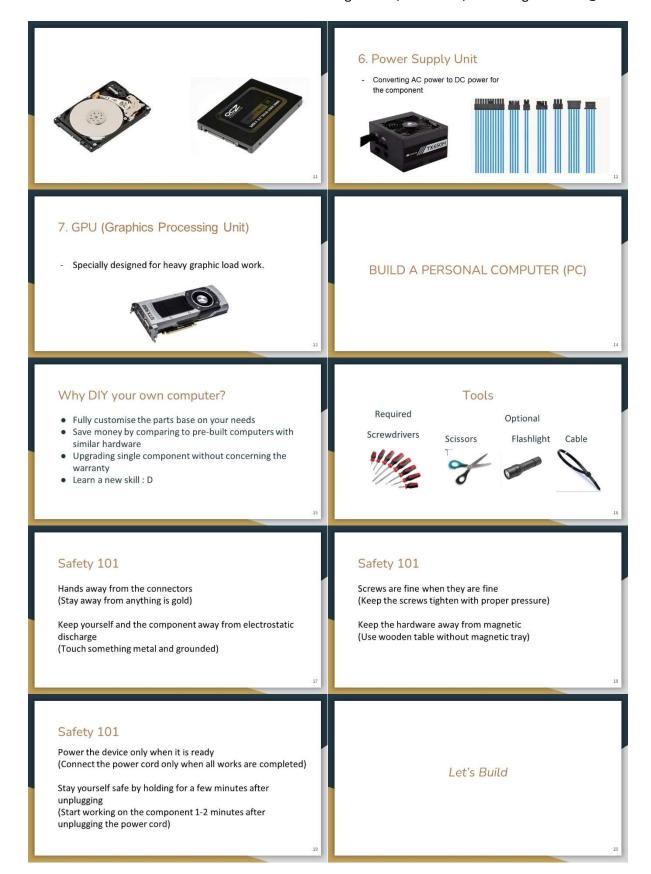


## 5. Storage Devices

- Where the computer stores most of its data
- HDD
  - Using disks and magnetising to store data
  - with a long history
- SSD
  - Using integrated circuits
  - Newly developed technology by comparison









the motherboard Plug in power cable to the drives from PSU

### Step 1: Open the Case Step 2: Mount Motherboard 1. Screw standoffs 2. Install the I/O plate 1. Remove the back screws into the case 2. Take side cover off 3. Fasten the motherboard on top of the mounting standoffs Step 3: Mount Processor (CPU) Step 3: Mount Processor (CPU) Hold the CPU by <u>its sides</u> Line up the triangle on the corner of the CPU to the triangle marked on the Lift up the latch lever Open the CPU socket cover motherboard Place it down into the CPU socket gently Close the socket cover Lock it by putting down the latch lever Transport to Step 5: Install Power Supply (PSU) Step 4: Install CPU cooler Apply thermal paste to the back of CPU Fix the CPU cooler in 1. Mount the PSU and fasten with screws to the position 3. Plug the power cable attached to the cooler 2. Plug the largest cabling connector into the motherboard 3. Plug the 8-pin cable into the CPU fan into the motherboard Step 6: Mount RAM Step 7: Install Graphics card 1. Press to open the clips 1. Remove the expansion slot covers of the RAM slots from the rear of your case 2. Line up the notch on Slots the graphics card into a PCI the RAM stick with the slot 3. Tighten the screws of the slot 3. Press it firmly down into graphics card 4. Plug in the power cable from the the slot PSU into the graphics card (if needed) Step 9: Connect Front Panel Connectors Step 8: Mount storage drives 1. Mount drives in the 1. Identify the cabling case drive bays from the front panel 2. Connect the drive to ports of the PC



# System Unit of Computer **Exit Ticket** What do you think?