

Instructional Technology

Chapter (4) Lecture
by
Thomas E. Love

System Units (PC)

- Desktop (Tower) PC (Pg 210 Fig 4-1)
- Laptop or Notebook PC
- Tablet PC (Flexibility & Convenience)
- Handheld or PDA (PC)
- Smart Phones or Smart Watch MI

Data Representation

- Digital Data is stored as Bits & Bytes
- Bits are switches: On = 1 & Off = 0
- Bytes are groups of Bits: 8, 16, 32, 64, ...
- Bytes are: **Letters**, **Numbers**, **Symbols**
- **KB** is a visual for Student Knowledge!

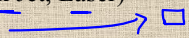
PC Components

- Motherboard & CPU (Pgs: 212 to 219)
- Memory: ROM & RAM
- Hard Drive: (Kilo, Mega, Giga, Tera)
- Read/Write Storage: A, CD/DVD, Flash
- Connectors & Ports

What is Input?

- Mouse (IBM or Mac) (Pgs: 220 to 227)
- KBs: Standard/Ergonomic/Cordless
- PDs: Joystick & Wheel & Kiosk & Pen
- Digital Cameras & Camcorders
- Optical Scanners (Handheld or Flatbed)

What is Output?

- Monitors (CRT & LCD) (Pgs: 230 to 235)
- Printers (DMP, Ink Jet, Laser)
- Data Projectors 
- Large Screen TVs or PC/TV converters
- Facsimile (FAX) or Multifunction Devices

What is Storage?



- Magnetic Storage: (Tracks & Sectors)
- Good Examples: (Pgs: 237 & 238)
- Floppy, Zip, Hard, Optical (Laser)
- CD & DVD (Pgs: 241 to 245)
- Memory Cards or Flash Drive

Sellers of PCs

- Dell Computers & Gateway Computers
- Hewlett Packard, IBM, Acer...
- Sony, NEC, Toshiba...
- Macintosh Computers of all Sizes
- Investigate Buyers Guide: Online ITDM

PC: Purchase Avenues

- Online Purchases of PCs Dell
- In-store Purchases of PCs
- Used or Previous Owned PCs
- Warehouse for Bulk PCs (New or Used)
- Relative, Friend, Neighbor, etc....

Installing Home PCs

- Connecting Components (Color Coded)
- Setting Up PC Environment
- Installing Productivity Software I/WWW
- Installing Communication Software
- Testing all components with connections

Tips & Care PCs

- Keep All Cables connected & gathered
- Keep All Components off floor (Dust)
- Have extra Ink ready for Printer Paper
- Do Periodic House Keeping of HD
- Constantly Save SW on external storage

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Conclusion
