- Internet Exercises
- Online Interactive Study Guide
- Monthly Technology Updates
Does this make sense to you?

- MiniTower: Itanium® Processor 1 GHz
- Memory: 512MB RDRAM
- 256K Advanced Transfer L2 cache
- Monitor: 17" (15.7" viewable, .28dp)
- Intel® Direct ACT 3D graphics
- Up to 11 MC dynamic video memory
- Hard Drive: 20.4GB Hard Drive
- 8X Max DVD-ROM Drive or 4X Max CD-RW Drive
- 10/100 BaseT network card
- V.90 high-speed modem
- Premium Polk Audio stereo Speakers

Courtesy of International Business Machines Corporation
Changing Times...
Be an insider.....

- Computer-knowledgeable people are now considered mainstream - *even cool!*

- Everyone else is on the outside looking in
What is IT?

Information Technology

Is the integration of computing technology and information processing.

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Knowledge Workers

Use

Manipulate

Broadcast

Information!
Employers Want IT Competency

- 83% think computer competency skills are important or very important in the hiring decision.
- 96% want basic *word processing* skills.
- 93% want *e-mail* experience.
- 86% want basic *spreadsheet* skills.
- 83% want basic *database* skills.
- 75% want basic *presentation software* skills.
- 64% want *internet* and *searching* skills.
Getting Started...

- Input/Output
- Hardware/Software
- Cyberspace
- E-mail and Newsgroups

Courtesy of Microsoft Corporation
Says PC Magazine:

- A 1970 *Mustang* would do *150 mph*
- A 1971 *microprocessor* (the 1st) ran at *108 KHz*

If cars had increased in speed as much as processors, a new Mustang would do about *22,000,000 mph!*
Converting Data into Information

Data → Process → Information → Output

Input
Internet Traffic is doubling every 100 days - 700% yearly growth rate!!
Going Online

- Internet (or Net)
- Internet Service Provider (ISP)
- Information Service
  - AOL
  - CompuServe
- Online/Offline
- Download/Upload
System Categories

- Personal Computer
- Workstation
- Midsize Mainframe
- Mainframe
- Supercomputer
Don’t worry... you can do it!
Software

- Programs

Application Software

Microsoft Excel - Book1

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Platforms

Wintel PC Platform
= Windows 9x/Me/2000
+ Intel (or compatible) processor chip

Mac Platform
= Mac OS X
+ Motorola PowerPC chip
Microcomputer Types

- Pocket PC (palmtops)
- Laptop PC (notebooks)
- Desktop PC
- Tower PC
- Slate PC (pen-based)
- PDA PC (handheld)
- Network computer
2 in 1 Systems

Docking Stations

Port Replicators
Multimedia Applications

- Microcomputer
- Keyboard
- Point and Draw
- Monitor
- Printer
- Video camera
- Hard disk drive
- Floppy disk drive
- CD-ROM/DVD drive
- Microphone
- Speakers
- Image scanner
Workstations

High resolution monitor

CAD

Courtesy of Intergraph Corporation
Larger Systems

- Enterprise-wide systems
- Host computer and terminals
- Mainframes vs. Supercomputers
- I/O-bound applications
- Processor-bound applications
Local Area Networks

- LAN
- Server computer
- Client computer
What Can Computers Do?

- Input/Output operations
- Processing operations
  - Math (computation)
  - Decision making (logic)

Photo courtesy of Imation Corporation
Why Use Computers?

- Speed
- Accuracy
- Consistency
- Reliability
- Memory
Using Computers

Personal Computing
- Word Processing
- Spreadsheets
- Database
- Graphics/Presentation
- Desktop Publishing
- Communications
- Entertainment/Edutainment
- Education/Reference

Information Systems
- Hardware
- Software
- People
- Procedures
- Data
End of Chapter 1

Interactive Study Guide

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