

Study Guide for Midterm Exam 1

Topics: Midterm Exam 1 will cover the following sections from the lecture textbook “*Technology in Action*”:

- **Technology in Focus (TIF 1): The History of the Personal Computers**
 - The First Personal Computer: The Altair
 - The Apple I and II
 - The Osborne: The Birth of Portable Computing
 - The Importance of BASIC
 - The Advent of Operating Systems
 - Xerox and Apple's Lisa and Macintosh
 - Babbage's Engines and the Hollerith Tabulating Machine
 - The Z1, the Atanasoff-Berry Computer, and the Harvard Mark I
 - The Turing Machine, the ENIAC, and the UNIVAC
 - Transistors and Beyond
- **Chapter 1: Using Technology to Change the World**
 - Political Issues
 - Technology Impacts How We Think
 - Technology Impacts How We Connect
 - Technology Impacts How We Consume
 - Technology at Home
 - Computer Literacy
 - Technology and Your Career
 - Impact of Computer Literacy on Your Career
- **Chapter 2: Looking at Computers: Understanding the Parts**
 - Computers Are Data Processing Devices
 - Bits & Bytes: The Language of Computers
 - Types of Computers
 - Input Devices
 - Keyboards and Touch Screens
 - Monitors
 - Printers
 - The Motherboard and Memory
 - Processing
 - *Hard Drives*
 - Cloud Storage
 - Portable and Optical Storage Options
 - Computer Ports
 - *Adding Ports: Expansion Cards and Hubs*
 - Setting It All Up: Ergonomics
 - **Sound Bytes:** Healthy Computing
 - **Active Helpdesk:** Understanding Bits and Bytes
 - **Active Helpdesk:** Exploring Storage Devices and Ports

How to Study for the Exam:

- Read the textbooks and PowerPoint slides related to topics above.
- Summarize and **write down** the key points and key terms in each topic.
- To review the TIF 1 and Chapter 1, you may also read the PowerPoint presentation with the subtitle “Review for Midterm Exam 1” to learn about the key points and key terms that will be emphasized in the exam.
- To review Chapter 2, you should also review the Sound Bytes and play the Active Helpdesk activities listed above. The Active Helpdesk activities must be done via MyITLab.
- Do or redo related check-your-understanding quizzes and chapter quiz given in the textbooks.