

After completing this lesson, you will know:

- The history of computers from the 1940s up to the present.
- The future of computing.
- The many ways in which computers are used in modern life.
- How to make computers accessible to persons with disabilities.
- How computers are used in business and education.

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History of Computing

- **1940s**
 1. First computers built for breaking enemy codes in WWII
 2. ENIAC (first all-electronic computer)
- **1950s**
 1. Invention of the transistor
 2. IBM 7000 series
- **1960s**
 - Silicon chip invented
 - First mini-computers from DEC and IBM

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History of Computing

- **1970s**
 1. Xerox Alto first GUI computer (1975)
 2. MITS Altair first personal computer (1975)
 3. Tandy/Radio Shack personal computer (1975)
 4. Wozniak and Jobs design Apple I and II
- **1980s**
 1. IBM PC (1981) and DOS
 2. Mac (1984)
 3. "Portable" computers debut

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History of Computing

- **1990s**
 1. Personal computers improve dramatically
 2. Microsoft Windows 3.0 (1990)
 3. Internet and World Wide Web
- **2000s**
 - High-speed Internet access
 - Instant messaging
 - Tablet PC
 - E-commerce
 - Security: viruses, worms, hacks, identity theft

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Accessible Technology

- **Accessibility features:**

An operating system and software with features that can be adjusted and customized to your own accessibility needs.
- **Assistive technology products:**

Designed to accommodate an individual's disability or multiple disabilities.
- **Compatibility:**

An operating system and software compatible with a specific type of assistive technology product.

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Information Technology Careers

- Hardware Engineer
- Support Professional
- Developer/Programmer
- Software Tester
- Systems Administrator
- Database Administrator
- Certified Professional

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Computers in Education

Language Arts

- Reading
- Writing
- Art
- Music

Math and Science

- Math
- Biology
- Chemistry
- Ecology
- Geology

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