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Instructional Technology 1973-2013

A Reflection of 40 years.

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A Reflection of 40 Years

• Like the evolution of life-forms, the pace of technology has greatly accelerated over time.

Futurist Ray Kurzwell

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16mm Film Projector

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Slide Projector

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Overhead Projector

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¾" U-matic tape

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VHS

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Beta

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Cassette Tapes

Cassettes of varying tape quality and playing time. The top is a Maxell MX (Type IV), bottom right is a TDK SA (Type II) and the bottom left is a TDK D (Type I).

One of the first (portable) cassette recorders from Philips, the Typ EL 3302 (1968)

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DVD

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Thumb/Flash Drive

SanDisk Cruzer Micro, a brand of USB flash drives

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SD-Secure Digital

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The Cloud

- Icloud
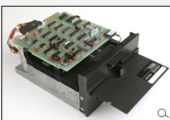- Drop Box
- Google Drive

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APPLE II

■ The Apple II became an instant success when released in 1977 with its printed circuit motherboar switching power supply, keyboard, case assembly, manual, game paddles, A/C powercord, and cassett tape with the computer game "Breakout." When hooked up to a color television set, the Apple II produced brilliant color graphics.

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5 ¼ floppy drive

Storage

Original Shugart SA400 5 1/4

■ The 5 1/4" flexible disk drive and diskette were introduced by Shugart Associates in 1976. This was the result of a request by Wang Laboratories to produce a disk drive small enough to use with a desktop computer, since 8" floppy drives were considered too large for that purpose. By 1978, more than 10 manufacturers were producing 5 1/4" floppy drives.

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Osborne 1981

MacBook Air

11-inch MacBook Air

Accomplishments at EIU

- Ethernet replaces token-ring
- 205 Classrooms Technology Enhanced
- Centralized Distributed Support
- Virtual Desktop Initiative
- Expanding Wireless Access
- Currently working on a comprehensive framework for Electronic Learning Materials (standards and procedures)

Emerging Trends in Instructional Technology

- Mobile
- Learning Management Systems (LMS) will evolve to support formal, informal, social and non-formal learning
- Birth of new authoring tools
- Gesture-based computing
- Semantic Web and 3D internet Web Applications

Emerging Trends in Instructional Technology

- 3D Printing
- Games and Gamification
- Wearable Technology
- Flexible Displays