

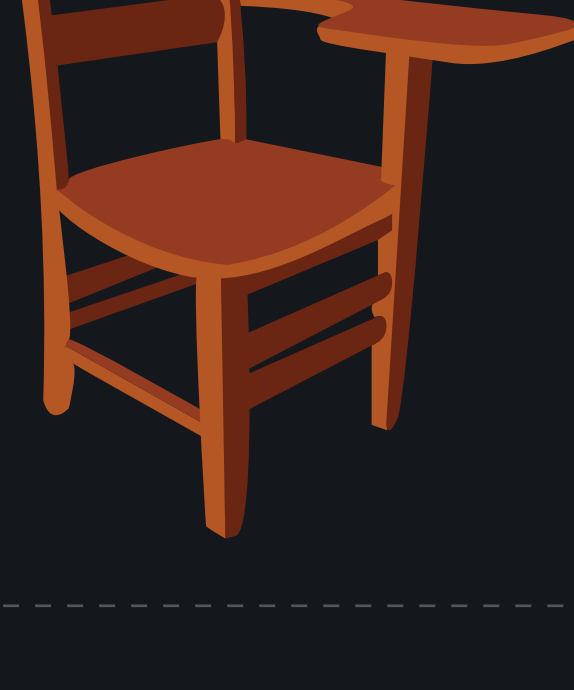
# THE EVOLUTION OF TECHNOLOGY IN SCHOOLS

Educational capabilities are growing and changing with each passing day as a result of technological innovations.

## 1860

### One-room School Houses & The Blackboard

A single teacher taught academic basics to several grade levels of primary-age children.



## 1920

### Radio

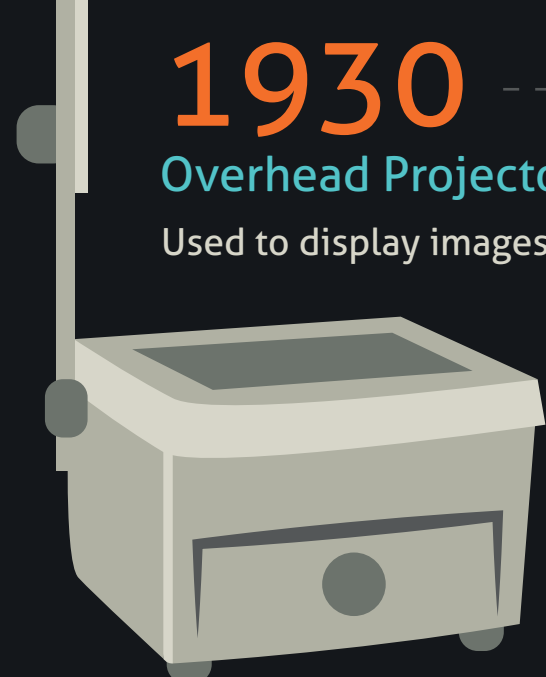
On-air classes became available for any student.



## 1930

### Overhead Projector

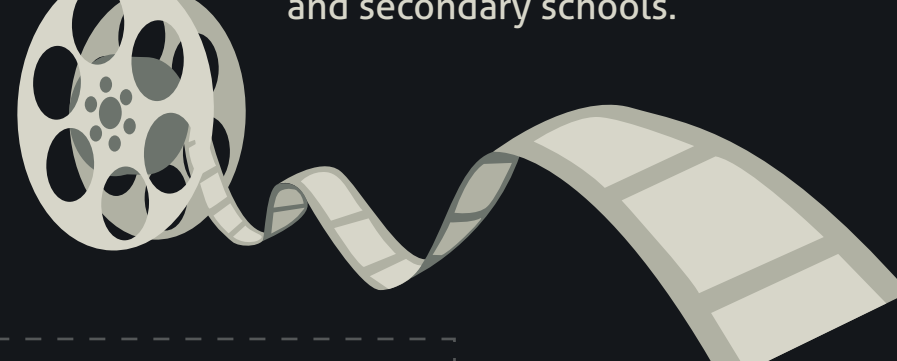
Used to display images in the classroom.



## 1940-1980

### Filmstrips

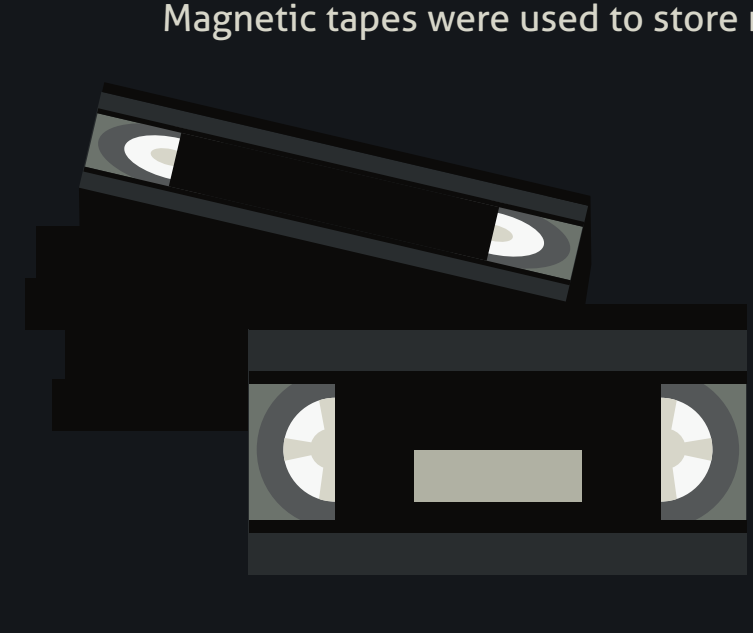
Still image instructional multimedia, once used by educators in primary and secondary schools.



## 1951

### Videotapes

Magnetic tapes were used to store motion images and sound.



## 1954

### B.F. Skinner's Teaching Machine

Its aim was to improve teaching methods for spelling, math, and other school subjects by using a mechanical device.



## 1959

### Photocopier

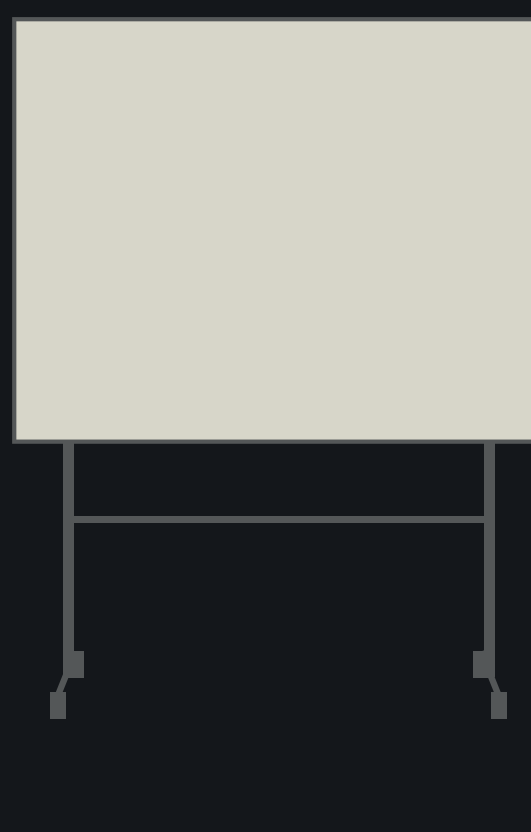
Making paper copies of documents and pictures.



## 1960

### Whiteboards

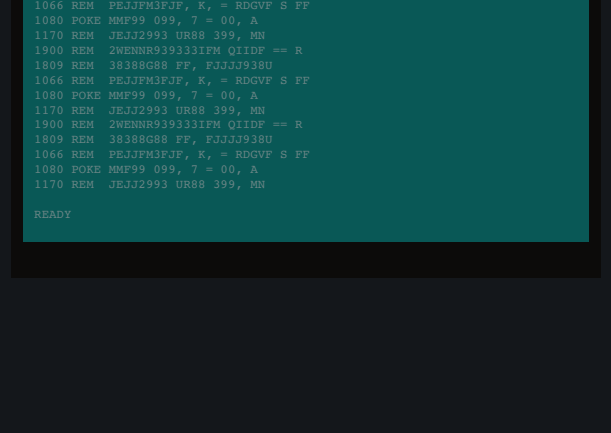
The replacement of blackboards with whiteboards started in the early 60's.



## 1964

### BASIC Programming Language

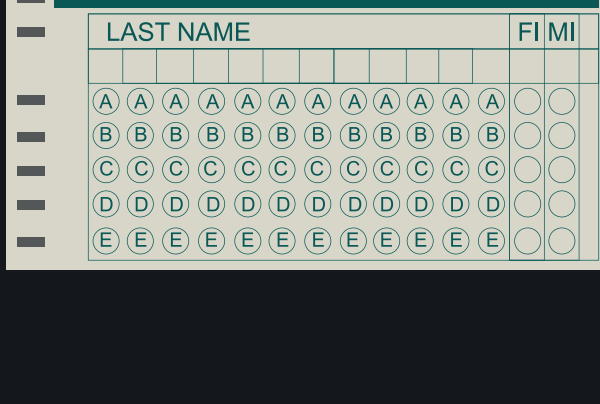
John G. Kemeny and Thomas E. Kurtz wanted designed the BASIC programming language to enable students to use computers.



## 1972

### Scanners

Scatron sheets were testing aids that turn exams into multiple guess puzzles using the method of data acquisition.



## 1972

### Handheld Calculator

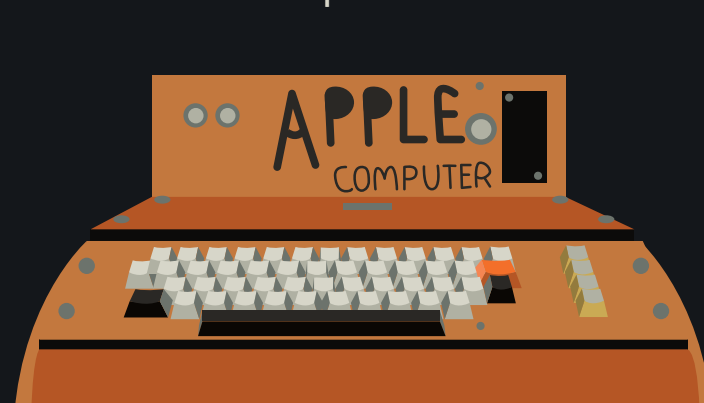
Used by students for quick mathematical calculations.



## 1975

### Apple 1

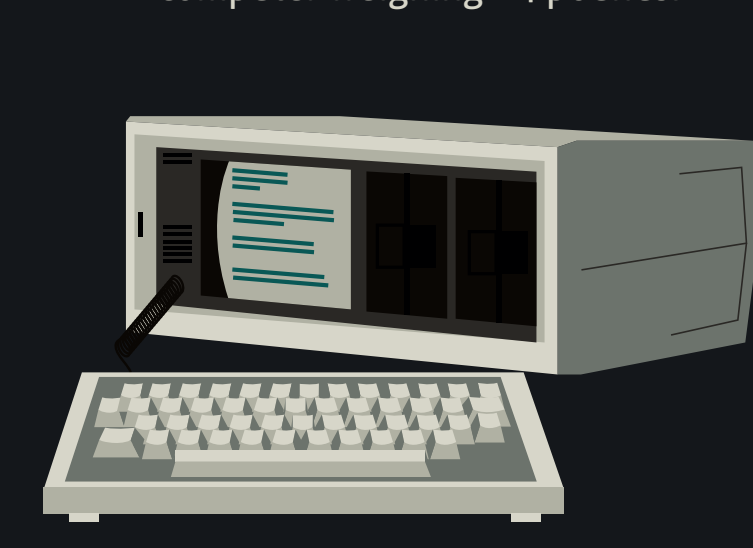
Apple Inc began donating Apple 1 model desktop PCs to schools.



## 1981

### First Portable Computer

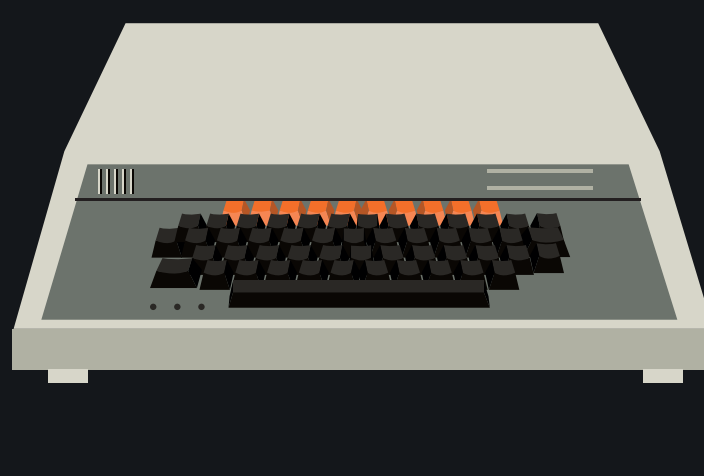
IBM introduced its first personal computer weighing 24 pounds.



## 1982

### BBC Micro

BBC Micro was used in the creation of student's own programs.



## 1990

### World Wide Web

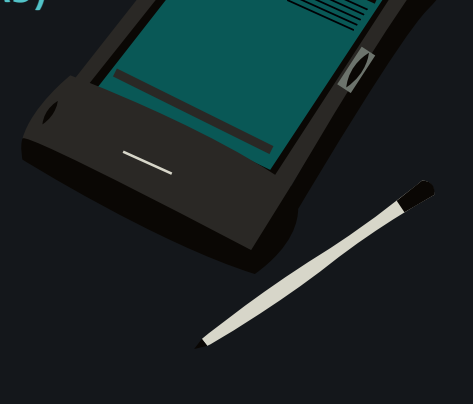
The world wide web became available to students in schools.



## 1993

### Personal Digital Assistants (PDAs)

A mobile device that functions as a personal information manager.



## 2002

### Moodle LMS

Moodle is the largest open-source learning management platform in the world, used both for education and business.



## 2003

### Social Media

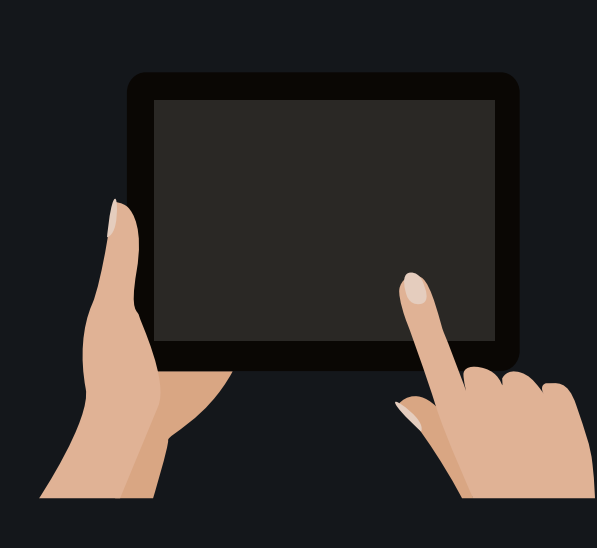
MySpace was introduced first with Facebook and Twitter following. Many schools are restricting access to social media, while others have embraced them.



## 2010

### iPads and Tablets

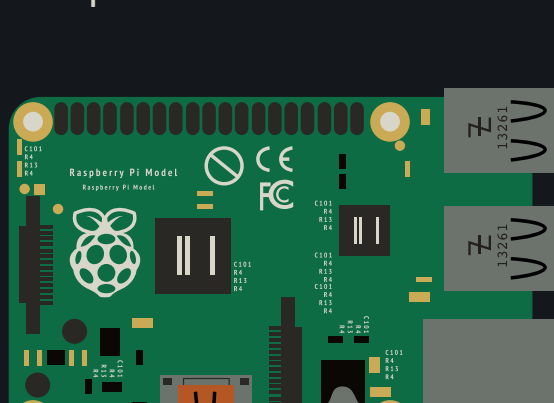
The popular tablet allowed pupils to record high quality videos and podcasts, improve research on the Internet, create great reports, presentations and many other things.



## 2012

### Raspberry Pi

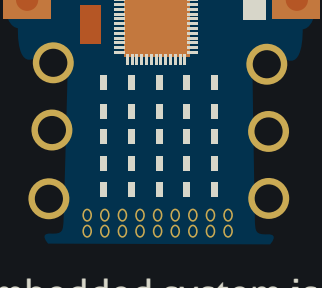
The pocket-sized computers are promoting the teaching of basic computer science in the classroom.



## 2015

### BBC micro:bit

The ARM-based embedded system is used in computer education to encourage pupils to get involved in writing software.



## Future Prediction

### Virtual Reality and Learning

This could combine the best aspects of both real-world classrooms and distance e-learning into a single virtual learning management system.



Webanywhere have developed School Jotter, a virtual learning environment, for the classroom, already used by more than 2,000 schools in the UK. Teachers and administrators can create a unique online presence and website for their school in just a few easy steps.

Find out more at

<https://www.webanywhere.co.uk/education/products/school-jotter>

1. <https://ejas.revues.org/9205>  
 2. <https://en.wikipedia.org/wiki/Filmstrip>  
 3. [http://people.illinois.edu/~chip/projects/timeline/1954teaching\\_machine.html](http://people.illinois.edu/~chip/projects/timeline/1954teaching_machine.html)  
 4. <http://online.purdue.edu/ldt/learning-design-technology/resources/evolution-technology-classroom>  
 5. <http://www.bbc.co.uk/programmes/articles/4HVG2Br1W1LKmw8n5m9WnQ/the-bbc-micro-bit>

