

# Technology in Education

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# What is technology?

Technology is the sum of any skills, techniques, methods, or processes used in the production of goods and services, or in the accomplishment of objectives.

Educational technology is any technology used to facilitate learning.

# Technology in Education

- There has been a lot of innovations in technology since the beginning of formal education. A few of which you probably know are:
- Slate and chalk to Pencils and Notebooks (1900)
- Overhead projectors to Interactive Whiteboards (1930-1997)
- The Scantron to Self grading Test Websites (1970-circa 2008)
- Paper to Personal Computers to Laptops (Over time)
- However, in the world we live in Technology has had to progress and has begun playing a lot bigger part of our education.



# Modern Parallels to Art

- Perdue University used this illustration to show that between 14<sup>th</sup> Century Italy and Modern classrooms, not much has changed, only that now students may be taking notes on laptops or other devices.
- It is meant to show that technology does not necessarily change the classroom, just some aspects of learning.
- However, recently, with the help of technological advances, class looks different.

A stack of colorful wooden blocks. The top block is yellow with the number '3'. Below it are two blocks: a red one with the letter 'A' and a green one with the letter 'B'. The background is a solid red color.

# Interactive Learning Materials

- Interactive Learning Materials are hands-on objects used to grasp the concept of certain ideas.
- These Materials can be great for those students who have to see something to understand it

# Distance Learning

- Because of the pandemic, Distance Learning has become a very common practice.
- Distance Learning is being able to continue your education, without having to be in-person in a classroom or with an instructor.
- The first known attempt at Distance Learning was done by Sir Isaac Pitman, who "taught shorthand by mail".



# Online Forums

- With the rise of distance education, the need for platforms such as Blackboard, Canvas, and Google Classroom has grown to a necessity.
- Each of these platforms foster conversation and lessons through things like discussion boards, which has come a long way from in class discussions.
- Students do not have to physically be in a classroom to have debates or learn from their classmates.

# How has the progression of technology fostered learning, overall?

- As we have pointed out, there are many electronic ways technology in the classroom has changed, but sometimes technology such as manipulatives stay the same.
- As technology moves on to more high-tech options classic options will still always be there to close the gap (ex. Manipulatives, paper, textbooks.)





# Sources

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