



Technology in Education

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Technology in the Past

Horn Books

Magic Lantern

Chalkboard

Pencil

Radio

Overhead Projectors

Ballpoint Pen

Headphones

Videotape

Photocopier

Handheld Calculator

Scantron



The History of Computers

- 1930's-first computer
- 1980's-first computer for everyday use
- 1981-first portable computer
- 1984-Apple's Mac
- 1990-World Wide Web
- 2009-97% of classrooms had at least one computer

How has Technology changed things?

From 1900-1992, enrollment
in high school jumped from
10% to 95%

1900–1992

1930–2012

From 1930-2012, enrollment
in college jumped from 1
million to 21.6 million



Technology in Recent Past and in the Present

- Oregon Trail game
- Smartboards
- Tablets in place of Textbooks
- Researching on smartphones and computers instead of in libraries
- Youtube videos such as Khan Academy's are a substitute for tutors

Why are teachers afraid of using technology in the classroom?



- The thought that technology could replace teachers
- The thought of students misusing technology
 - Cheating
 - Cyberbullying
 - Digital Footprint
- Liability-technology is costly
 - What if the technology is broken?

Without meaningful use, technology is useless.

- Where teacher's fears and concerns do leave room for improvement when it comes to letting kids use technology, at some point, the pros outweigh the cons. Technology has more use than just taking selfies and checking in at Target. We should use these devices and their abilities to the full extent. With amazing tools such as Sphero, Virtual Reality, and 3-D printers, we could teach students what they need to not only survive but thrive in this technology- infused world.



Pros and Cons of Integrating Technology into Education

PROS

- Opens doors
 - Online classes
 - Online applications
- Engages students
- Connects students
- Enhances interaction
- Easier access to information

CONS

- Cheating on tests and assignments
- Using technology irresponsibly in class
 - Texting
 - Social Media
 - Not paying attention
- Expensive

01

I came from a high school where teachers didn't let you use calculators in college algebra. Our Environmental and Spatial Technology department was given money and offered grants to buy technology that held so many possibilities for students to learn, but students weren't allowed to touch them. Google Chromebooks were really the only technology offered to us. Teachers didn't seem to be enthusiastic when students requested to use them, and kept them hidden in the corner of the classroom.

02

I came from a small private school that did not have much money to spare. The technology we did have, we had to buy for ourselves. We relied heavily on calculators in math and science classes, and we could bring laptops to school to do concurrent credit work, but we didn't use anything other than that. All our teachers had iPads, provided by the school, to access our online grade system. I think in the ways that I had access to technology while in school, it benefited me and made my learning experience easier.

A Little About our Experiences with
Technology in Education

The Future of Technology in Schools

Augmented Reality
glasses

Touch screen desks

Biometrics



In Summation

Technology in education is clearly a better way to go in contrast to the traditional textbooks and scratch paper. Technology can open doors for kids of all ages. The generation right after us, Generation Alpha, will grow up surrounded by technology. Why shouldn't we embrace that? If we have a way to use the things dangling in front of us to benefit one of the most important things, our children's education, why should we not take advantage of what's been offered to us? Technology is the new, shiny toy that everyone wants to play with, so let's at least use it to our benefit and help education since we can.

Works Cited

- <https://online.purdue.edu/ldt/learning-design-technology/resources/evolution-technology-classroom>
- <http://www.teachhub.com/benefits-technology-classroom>



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