

# TECHNOLOGY IN THE CLASSROOM

Wednesday, December 2, 2009

GOOGLE

TWITTER

DELICIOUS

PODCAST

HOWSTUFFWORKS

EDUBLOGS

EDUCATIONALWIKIS

## HISTORY

1923

Ditto Machine

1926

Television

1940

Overhead Projector

1964

Compact Cassette

1970

Pocket Calculator

1973

Personal Computer

1982

Laptop Computer

1989

World Wide Web

1993

Wireless Web Access

1997

Wireless-enabled Cell Phone

2000

Interactive Whiteboard

2001

iPod

## What is Instructional Technology?

Technology used in education to enhance instruction and promote learning, either directly in the classroom or in other learning environments outside of schools.



## Constructivist Learning Theory

Students play an active role in learning that is supported with the use of technology. Using technology to enhance instruction and digital media to create original products based on that instruction requires students to form their own understanding about material covered in the classroom.

Constructivism, like technology, supports that all students do not learn in the same way. Instead, students learn best when they attempt to figure things out on their own with teacher guidance.

Rather than present information in the tradition lecture format where pencil/paper assignments assess understanding, teachers can use technology to guide students in becoming expert learners through inquiry and collaborative activities.

## Concerns in the Classroom

- Instruction does not reflect the current use of technology in society.
- Technology is often outdated or absent from instruction all together.
- Many teachers are not comfortable using technology.
- Curriculum does not provide practical ways to integrate technology.

## Recommendations

Implement the use of technology to teach the content already presented to students. The most benefits will be observed when tech skills are no longer taught as a separate subject, but completely integrated into the curriculum. With tech support and an openness toward collaboration with other educators, current teachers can succeed in updating the outdated era in which many schools remain today.

## References

- <http://www.techteaching.net/>  
<http://www.thirteen.org/edonline/concept2class/constructivism/index.html>  
Dewey's technological literacy: Past, present, and future. - Braundy  
Technology integration: A review of the literature. - Franklin & Bolick  
Synergizing pedagogy, learning theory and technology in instruction: How can it be done? - Muniandy, Mohammad, & Fong  
Implementing partnerships across the curriculum with technology. - Bannon & Judge  
Curriculum: Foundations, principles, and issues. - Omstein & Hunkins

- Melissa Padalecki, Service Learning Project: EDU 5003

