TECHNOLOGICAL INNOVATION IN EDUCATION

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Our nation today is transformed by technology. It is part of our everyday life, in our home, community, work and in our schools. Technology helps us to provide quality education and it brings accessibility in education.

Technology can help to produce an active environment in which students not only solve problems, but also find their own problems. Digital learning resources are becoming increasingly common in classrooms. They bring huge potential for increasing learning in part because they can be constantly updated to meet students’ needs. Digital resources allow faster updates than textbooks and offer a wider variety of sources to all students, including those with disabilities. The benefits of the increased access to more resources is not only good for students but is also supported by formal theories and philosophies of learning.

But the challenging process of educating is the demanding need for solutions on how technology will change education. Society seems to be fascinated by the eruption of technological advancements in the educational field. Technology has changed and will change many ideas of education the potential of educational systems captivates the lives of many pupils and teachers.

The effects of technology in the classroom are related to both the teacher and the students. In the past classrooms were lecture driven. With technology involved in education, the students are more active in their learning. The teacher is no longer the center of attention. They play the role of a facilitator of information and not so much of an information source. Technology in the classroom allows the students to be more active
with the opportunity of communication of information. By being active the students are then more likely to make their own choices on how to obtain, manipulate, or display information (Bridgforth). This gives students a higher confidence level.

Teachers notice students had an increase in motivation when using technology. Because of their willingness to work with technology as opposed to a normal classroom setting of boring lecture, helps motivate students to learn. "Technology is the ultimate carrot for students. It's something they want to master. Learning to use it boosts their self-esteem and makes them excited about coming to school," stated a fifth grade teacher (Cradler p. 5).

Technology also gives an opportunity for students and teachers to learn from a broader perspective of learning other skills. Instead of having the social norm of "lecture, notes" type of classes, students get to be participated in learning with such a broad area of study.

References:

Howard Pitler, "Using Technology with Classroom Instruction that Works", p.43, 2007