

Topic: Using technology to improve learning in the classroom, and understanding technology.

Technology is forever evolving which encourages teachers to gather new knowledge and understandings on technology and how it supports the learning of students within their classroom. The following sources give some necessary knowledge on how technology can assist teachers in the classroom and what is available to them when trying to effectively integrate technology with learning in different contexts.

Journal:

The article chosen discussed the changes that pre-service teachers have in counted when integrating technology into their students learning and teaching contexts. They investigated this by studying teams and reporting on findings from k-12 teachers and teacher educators; infusing of technology in their particular teaching context. Research produced, which was conducted on the teams, consisted of hands on experience with computers which supported constructivist teaching; two way interactive video conferences and work experience in technology rich classrooms. The information was gathered from extensive analysis on all areas of the research. The research found that pre-service teachers widened their views about the integration of technology into the classroom; future teaching implications, practices and project design features. They achieved this by thinking they would teach and learn it to which indeed would actually use it in supporting their students learning. (VANNATTA, BEYERBACH, & WALSH, 2001)

Referred conference paper:

This referred conference paper is about the intensive study of how a primary school uses information communication technology within their school lessons. They based their studies on 3 participant teacher however this paper is based on the study of Mary's use of technology in her classroom. They focus on how teachers should use technology as part of curriculum goals and student learning. This study follows how Mary has used new technologies in literacy learning and how technology as assisted students with their learning. This paper found that students learnt from technology rather than given the opportunity to learn with technology. To learn with technology gives the students a better learning process, in which they can build knowledge by embracing the dynamic use of technology. (Kervin & Jones, 2009)

YouTube Video:

This YouTube video gives you 10 reasons to use technology within a classroom, it discusses that technology is a great way the enhance students education. Also that technology is the future of the education system. As said by Sheryl Nussbaum-Beach "teacher will not be replaced by technology but teachers who don't use technology will be replaced by those who do". It explains that reason 1 is that students love technology and use it at home, so encourage the use of familiar mediums in class will have students excelling. Reason 2 it assists with 4 key components of learning being active imagination, participation in groups, frequent interactions and feedback and connection to real world experts. Reason 3 professional developments to assist students with necessary knowledge and skills required in the work force such as computer skills and research knowledge. Reason 4 makes life and the job easier for the teacher as the students can use technology to assist them as the student can seek

own work and grades online. Reason 5 improve test scores as it gives students the opportunity to excel at their own pace and work to their needs. Reason 6 helps students with low attention span by capturing them through engagement and giving them a new learning method, also well in assisting special needs. Reason 7 learn from the experts, by building knowledge from the experts from online sources. Reason 8 encourages completion of homework by giving students time in class for assistance, and they can learn their lectures from an online source. Reason 9 saves money, it is costly to begin with but saves on paper, also saves from online resources as to having to purchase them in a book form. And lastly reason 10 removes obstacles, in this case from a pa system to amplify teacher's voice which will assist with better attention so students as well as less behaviour management. ("Top 10 Reasons to use technology in education: iPad, Tablet, Computer, Listening Centres," 2011)

Website:

The website gives teachers ideas on how they can use technology within their classroom. It also provides teachers with different resources to use within the classroom in different contexts. Also giving access to blogs and podcasts to further their understanding on integrating technology into the classroom environment. ("Education World," 1996-2011)

Book:

Meaningful learning with technology covers many different forms of using technology in a classroom and how it is they are learnt to a degree. The main aim of the book is to ensure the reader understands that technology is evolving and will be different in every school. Teachers need to learn how to use different technologies as they develop and change in the classroom. The book gives the reader the necessary tools required in learning how to use technology and engage and support different learning activities. (Jonassen, Howland, Marra, & Crismond, 1999)

Reference List:

- Education World. (1996-2011). Retrieved 19/04/2012, from <http://www.educationworld.com>
- Jonassen, D., Howland, J., Marra, R., & Crismond, D. (1999). *Meaningful Learning With Technology* (3rd ed. ed.). New Jersey: Pearson Education Ltd.
- Kervin, L., & Jones, P. (2009). *One teacher's response to literacy learning and teaching using technology*. Paper presented at the Bridging Divides.
- Top 10 Reasons to use technology in education: iPad, Tablet, Computer, Listening Centres. (2011, 19/04/2012). retrieved from http://www.youtube.com/watch?v=mzi2Rlt8_nk
- VANNATTA, R., BEYERBACH, B., & WALSH, C. (2001). From Teaching Technology to Using Technology to Enhance Student Learning: Preservice Teachers' Changing Perceptions of Technology Infusion. *Journal of Technology and Teacher Education*, 9(1), 105-127.