ICT: IMPACT ON K TO 12 AND EVOLUTION OF NEW EDUCATION

by:

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The United Nations Educational, Scientific and Cultural Organization (UNESCO) has been promoting the use of Information and Communication Technology (ICT) in education and management and classroom-based learning. The international organization notes that the ICT provides universal access to education and equity in education and allows the delivery of quality learning and teaching. Consequently, ICT also gives educators and teachers the chance to have more professional development and more efficient education management, governance and administration.

As the Philippines started to introduce K to 12 Program, which allows a higher level of educational development for young Filipinos, the use of ICT in the classrooms would significantly contribute to the improvement of the learning system nationwide. According to studies, utilizing ICT equipment and tools in teaching and learning process as a media and methodology motivates students and encourages participation inside the classroom. ICTs have the potential to innovate, accelerate, enrich, and deepen skills, to motivate and engage students, to help relate school experience to work practices, create economic viability for tomorrow's workers, as well as strengthening teaching and helping schools change (Davis and Tearle, 1999; Lemke and Coughlin, 1998; cited by Yusuf, 2005).
Moreover, ICT has also enabled learning through multiple intelligence as it introduced learning through simulation games; this enables active learning through all senses. The theory of Constructivism suggests that ICT provides wide experiences for students as they are allowed to integrate their own representations of subjects and topics through computers, new media and Internet. This pave the way for better understanding of classroom lessons and topics.

According to Syed Noor-Ul-Amin, a research scholar of the University of Kashmir’s Department of Education, emphasized in his study “An Effective use of ICT for Education and Learning by Drawing on Worldwide Knowledge, Research and Experience: ICT as a Change Agent for Education” that ICT has fundamentally changed the practices and procedures of teaching over the past 20 years. “The use of ICT in education lends itself to more student-centred learning settings. But with the world moving rapidly into digital media and information, the role of ICT in education is becoming more and more important and this importance will continue to grow and develop in the 21st century. (Noor-Ul-Amin, 2003)

ICT is a potentially powerful tool for offering educational opportunities. It is difficult and maybe even impossible to imagine future learning environments that are not supported, in one way or another, by Information and Communication Technologies.