Can we develop e-pedagogy by enhancing the new technologies involved? Is that a new approach to digital literacy across the Curriculum for the gifted students?

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Abstract

The educational environment is changing from traditional classroom teaching ecology from the adaptive individual/collaborative learning one by development of Internet, mobile and wireless technology. Therefore, we need to develop the new pedagogy in consideration of such new technologies. Especially, our knowledge and wisdom are cultivated by interactive learning/problem solving/building something through collaborative activities. In this paper, we would like to examine the meanings/ecology of "collaborative learning" again and explore the new technologies of communications which evokes and enhances it. Also, we aim to understand and share the concept of computer/Internet supported collaborative learning, and then we explore the technologies of collaborative tools and infrastructure to promote collaborative learning in consideration of the image of new e-pedagogy for collaborative learning. Teachers are now being told that e-Learning is way of the future. On the other hand, a lot of Universities offer a number of lessons using e-learning, m-learning and VLE's (Virtual Learning Environments). Teaching is, in fact, extremely complex. Teaching well requires practice, skill development and refinement, constant reflection, persistence, striving in spite of conditions that may encourage mediocrity or discouragement, tenacity, organisational abilities and insights required of few other professions. When you have gifted and talented students, curriculum must be enriched in many ways: high level science, more distinguished exercises, etc. Adaptable teachers will be excited by new and creative ways to use technology effectively, and by the promise of unlimited possibilities. This does need to be balanced by the premise that the role of schools is to effectively integrate students into the dynamic social systems we call communities as positively productive and contributing citizens. Our influence on students is immense. Teaching is an awesome responsibility that directly affects students in myriad ways. Student learning is the key focus of teaching. Effective teaching stands at the centre of student learning. To create entire new learning environments that may involve the extended community and new technologies are challenging. All of this without the overlays of curriculum, assessment and reporting. People rarely underestimate the difficulties of learning. Having had to learn, we know it's a complicated and unpredictable business. Many of us, educators and lay people alike, however, tend to underrate the complexity of teaching. It often tends to be treated mechanistically- as something someone does to somebody else that can be easily measured, and on which macro-decisions tend to be made. Great teaching transforms pedagogy and subject matter into the joy of learning. Great teaching is transformational, encouraging and enabling students to become more than they are, by discovering who they might be. Finally, we would like to discuss about the international standardization for those technologies.

Keywords: Mobile and Wireless technology, digital literacy, enhanced curriculum, gifted students, e-pedagogy