Technology Lesson Plans Based on the Sunshine State Standards and the ISTE Standards

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Abstract

Ninety-eight technology-enhanced lessons are now available on-line. Teams of professors, K-6 teachers, and pre-service teachers in South Florida have worked together to write, refine, and field test lessons based on the ISTE and Sunshine State Standards. These tried and true technology lessons are complete with downloadable resources and assessment rubrics for each standard taught. Math, Science, Social Studies, General Methods, Curriculum and Reading/Language Arts lessons round out the subject areas addressed in the lessons. There are also specific lessons that address special needs populations including English as a Second Language and Exceptional Education students. The lessons have been field tested in classrooms with urban high-need students, limited English proficient students, and suburban students. An overview of the resources available will be presented with opportunities for interaction. Elementary Education Teacher Education Professors, Curriculum Developers, and K-6 Teachers can make use of these well developed, peer reviewed resources.

Contribution to the Field of Educational Technology

1. The research involved in the creation of these technology enhanced lesson plans reflects the cooperative effort of pre-service teachers, professors, and in-service teachers. Thus, the product is well balanced with a combination of sound research and field-based experiences.

2. The recent development of the ISTE standards has opened up a new area of curriculum development based on those standards. This research project provides materials that address the need for high quality field-tested and peer reviewed lessons based on the new standards.
3. The lessons developed reflect the up-to-date availability of resources in the college and K-6 classrooms.
4. The lessons are based on curriculum standards as well as ISTE standards.
5. Professors from several institutions of higher education have worked together to create the lessons.

Objectives and Outcomes:

1. This session will address the need for high quality technology enhanced lessons based on both State and National Standards by providing on-line resources to attendees.
2. This session will supply assessment instruments to evaluate the use of technology for all lessons that address the State and National Standards.
3. Technology enhanced lessons at the K-6 level will be shown for Math, Science, Social Studies, Reading/Language Arts, Curriculum, General Methods, ESE and ESOL.

Importance:

1. As professors in schools of education seek to integrate technology into their teacher education classes, they can use these resources to assist them.
2. As K-6 teachers seek to utilize technology in their classes, they will be able to find resources on the curriculum area of choice by using the search engine presented based on the Sunshine State Curriculum Standards.

Associated Web Resources:

The lesson plans produced by this group can be found at www.beaconlc.org.