InTime: A Video Archive for Integrating Best Practice Technology into Classroom Curriculum

Doreen Hayek, University of Northern Iowa, US

Purpose

This presentation will demonstrate the INTIME (Integrating New Technologies Into the Methods of Education) video materials that were developed as part of a $2.4 million PT3 Catalyst Grant at the University of Northern Iowa. ([http://www.uni.edu](http://www.uni.edu))

The purpose of this session is to show how to utilize online video vignettes of Pre K-12 teachers using technology in a robust educational environment in preparing tomorrow’s teachers to use technology.

Abstract:

The purpose of INTIME (A Video Archive for Integrating Technology into Classroom) is to provide the necessary resources for methods faculty to revise their courses, model technology integration, and require preservice teachers to integrate technology, along with components of quality education, in their lessons and units. INTIME features over 300 video scenarios of PreK-12 teachers effectively using technology in the classroom. The participants will view and critique online video vignettes of technology integration and quality education in a PreK-12 setting via video streaming technology.

Description of the presentation:

During the session the audience will experience an online video developed at the University of Northern Iowa as part of the INTIME project, applied to the educational environment. The purpose of the project is to provide the necessary resources for methods faculty to revise their courses, model technology integration, and require preservice teachers to integrate technology, along with components of quality education, in their lessons and units.

INTIME provides a wealth of learning resources by featuring video scenarios of PreK-12 teachers effectively using technology in the classroom. The INTIME server hosts over 300 web-based video vignettes of teachers integrating technology in the curriculum. Real Player software may need to be downloaded to view the video vignettes. Classroom activities are analyzed through the lenses of Technology as Facilitator of Quality Education Model. TFQE Model includes the following elements: Technology, Students at the Center of Their Own Learning, Content Standards, Teacher Knowledge and Behavior, Information Processing, Principles of Learning, and Tenets of Democracy.

TFQE Model

The video clips of about 5 minutes in length are searchable at the project website not only by elements of quality education but also by grade level, content area, teacher name, state, video title, video code, software, and hardware.

During the session, the audience will have the chance to view one of the videos and its nine versions: an interview with the teacher, a lesson overview, content standards, technology, teacher knowledge, information processing, democracy, principles of learning, and teacher behavior. The video tracks appear on the left side of the screen with a scrolling text narration at the bottom of the screen. The scrolling text has terms that are hyper linked to the summaries of the model. On the right side of the screen the audience will see a complete lesson plan that includes the teacher’s name, school, state, grade, curriculum area, full description of the classroom activities, content standards identified for each activity,
tools and resources, assessment, timeline, and teacher’s personal comments on the implementation of this particular activity.

**Participant Involvement and Outcomes:**

The participants will understand the structure and the purpose of the “Technology as Facilitator of Quality Education Model” as well as view and critique online video vignettes of curriculum technology integration and quality education in a Pre K-12 setting via video streaming technology.

This session will show how the project is intended to produce change in teacher training programs in three ways: 1) The project provides web-based learning resources to support new teaching and learning processes in teacher training courses; 2) Teacher trainers can model technology integration in their classes and use the video scenarios and online discussion forum to discuss the technology-based learning process; and 3) INTIME provides a Faculty Online Discussion Forum through which teacher trainers can share strategies for integrating technology with other trainers.