

“Differentiated Instruction with Technology”

A Videoconference-based Distance Learning In-service
Supported by online discussion and activity development

Session Dates: 4/22, 4/27, 5/4, 5/6, 5/11 and 5/13

Meeting Times: 2:30 - 3:15.

Instructors:

Mary Capobianco: Differentiated Instruction - NERIC

Kim Greiner: Online Learning and Technology Integration - NERIC

Bram Moreinis: Technology Integration – Taconic Hills CSD

Course Goals: Videoconferencing and Blackboard are Distance Learning technologies that allow teachers to share resources from any Internet connection and work with experts from other sites. As an instructional tool, Videoconferencing enables teachers to use to set up authentic contexts for classroom projects, interacting with the world outside. Online follow-up discussions through Blackboard allow participants to communicate and share at their convenience, continuing the learning process between sessions.

Course Objectives: Participants will:

- Have creative fun experimenting with new tools
- Use online collaboration to form temporary peer review community
- Learn to use presentation technologies to effectively meet the needs of students with different learning styles and abilities.
- Develop draft projects that incorporate videoconferencing to create authentic learning contexts
- Obtain the necessary technical training one-on-one to use software as needed and desired
- Transfer in-service skills to integrate technology into their teaching to effectively differentiate instruction

Sessions include: Expert presentations on DI & Technology Integration, Demonstrations of DI teaching strategies, Sharing of teacher-created projects, Group discussions and review of projects and materials.

Course Requirements: Sessions will require home practice and application of technologies (such as the design of a 5-minute Powerpoint, or a sketch of a lesson plan). All participants will be expected to log in to Blackboard for approximately 45 minutes each week to post these assignments prior to the following session, and respond to the postings and comments of other teachers.

Tech Support Provided:

- One-On-One Training Sessions will be provided for all participants.
- Technical questions will be posted and answered via Blackboard.
- Web Resources will be provided for reference with clear how-to procedures.

Course Resources

Differentiated Instruction Links

Lakeland School District (follow link for presentations)

www.lakelandschools.org/edtech/edtech.htm

A brief DI Tutorial (ASCD)

<http://webserver2.ascd.org/tutorials/tutorial2.cfm?ID=14&TITLE=DifferentiatingA Instruction>

ASCD's products & tutorials on DI

<http://www.ascd.org/cms/index.cfm?TheViewID=1001>

<http://www.ascd.org/cms/index.cfm?TheViewID=1084>

Mapping a Route Toward Differentiated Instruction - Carol Ann Tomlinson

<http://www.ascd.org/pdi/demo/diffinstr/tomlinson2.html>

Leadership for DI- Carol Ann Tomlinson

http://www.aasa.org/publications/sa/1999_10/tomlinson.htm

Enhance Learning with Technology

<http://members.shaw.ca/priscillatheroux/differentiating.html>

Montgomery County Schools

<http://www.mcps.k12.md.us/departments/eii/eiimanagepracticespage.html>

Technology & Multiple Intelligences

<http://www.eduscapes.com/tap/topic68.htm>

Teach-nology - How to plan for DI

<http://www.teach-nology.com/tutorials/teaching/differentiate/planning/>

The Key to Classroom Management

http://www.ascd.org/publications/ed_lead/200309/marzano.html

Classroom Instruction That Works (Marzano & Pickering)

<http://www.ascd.org/publications/books/2001marzano2/2001marzano2toc.html>

Technology Teaching Links

Presentation Techniques: <http://siri.uvm.edu/ppt/presentech/>

The Widening Gap between Internet-Savvy Students and their Schools

<http://www.pewinternet.org/reports/toc.asp?Report=67>

Evidence that technology can, and does, support learning

http://www.ciconline.org/enrichment/teaching/researchanalysis/learning_with_technology_white_paper.htm

Transforming Education and Training Through Advanced Technologies

<http://www.ta.doc.gov/reports/TechPolicy/2020Visions.pdf>

Providing Professional Development for Effective Technology Use

<http://www.ncrel.org/sdrs/areas/issues/methods/technlgy/te1000.htm>

Using Technology to Improve Student Achievement

<http://www.ncrel.org/sdrs/areas/issues/methods/technlgy/te800.htm>

Learning with Technology Profile Tool

<http://www.ncrtec.org/capacity/profile/profile.htm>