



QUEST participants using Palm Pilots and Probeware

QUEST is an 8-day long, standards-based professional development program comprised of a training curriculum aligned to state and national standards for both students and teachers. Offered in an on-site classroom laboratory, this hands-on training truly models the ideal teaching environment that blends the student curriculum, the national educational technology standards for teachers, the best of new and existing technologies, and research-based instructional strategies.

The QUEST training curriculum is designed to meet the individual needs of adult learners. Working as individuals, in content area groups, and in school team configurations, participants partake in hands-on, interactive activities that address the ISTE National Educational Technology Standards (2000).

The content of the QUEST curriculum is drawn straight from the state student curriculum standards in Language Arts, Mathematics, Science, and Social Studies. Using a professional development “for teachers, by teachers” model, QUEST facilitators are classroom-trained teachers who guide participants through model lessons in each curriculum area. All model lessons are curriculum-based and utilize the best of the schools’ new and existing technologies to enhance students’ understanding of curriculum concepts.

As a part of the 8-day QUEST training, participants will learn how to combine multiple technologies and instructional design theory for the purpose of developing several of their own integrated technology lesson plans and units.



Digital cameras are used throughout QUEST training

Training Overview

Participants

QUEST participants attend training in teams made up of a Language Arts, Mathematics, Social Studies, and Science teacher. The Principal, Curriculum Facilitator, and Technology Facilitator typically accompany the teaching team for the purpose of providing total leadership, curriculum, and technology support for the implementation of QUEST training upon return to the school site.

Technologies

Palm Pilots, Imagiworks Data Interfaces, Vernier Science Probeware, Digital Cameras, Scanners, AlphaSmarts, E-Instruction Response Pads, TI-83+ Graphing Calculators, LCD Projector, SmartBoards, Elmo Digital Display Deck, Presenter-to-Go Interface, Excel, PowerPoint, Word, Inspiration, Internet Explorer, Timeliner, Image Blender

Learning Theories

Problem-Based Learning, Brain-Based Learning, Cooperative Learning, Differentiated Instruction, Multiple Intelligences, Learning Styles

Instructional Design Strategies

Activation of Prior Knowledge
Information Organization
Information Comprehension and Retention
Information Application and Transfer

QUEST Days 1-3

Integrating Technology Into the Middle Grades Curriculum (6-8)

QUEST Day 4

Taking technology with you- a fieldtrip guaranteed to change the way you teach!

QUEST Day 5

Instructional Design Theory and Technology Planning

On-Site Support

QUEST Facilitators teach model lessons in the classroom and plan technology integrated lessons with each QUEST participant

QUEST Day 6

Program Evaluation and Reflection

QUEST Days 7-8

Curriculum Development

For more information on how your school can participate in QUEST, please contact Amy Holcombe, QUEST Program Coordinator at:

**Guilford County Schools
Prescott Technology Center
425 Prescott Street
Greensboro, NC 27401
(336) 370-8009 phone
(336) 370-8012 fax
holcoma@guilford.k12.nc.us**

What teachers are saying about QUEST...

- ❖ Rarely does an in-service workshop provide such an ample reward: the strategies are excellent, the technology is useful, affordable and exciting, the instruction is well designed and well executed. There are plenty of "Ah Hah!" moments, and everyone leaves with a simple but powerful thought, " I can do this, and so can my students ".
- ❖ I enjoyed the learning styles used within the QUEST lessons. This is one of the best classes/workshops I have been in. Thank you for being thoughtful in the "classroom" setting.
- ❖ What exciting days for education!!! QUEST is supporting teachers by allowing them to experience how much fun learning can be when we use engaging strategies. No longer do we have to hear that the joy of teaching is gone.
- ❖ This is one of the few programs where the time flies instead of dragging. You wish the seminars would last longer. It is wonderful to be exposed to the current technologies in education.
- ❖ I'm anxious to incorporate all my newly learned technology skills into ALL of my math and science units. What a fantastic way to make learning exciting and fun, yet challenging and relevant to this generation of students. I feel a real sense of renewed excitement... like that of a first year teacher!
- ❖ Fantastically organized, well-paced, very applicable information. The workshop functioned on two levels. It motivated me to think about my use of technology from a theoretical viewpoint. Plus, I got fantastic practice with all types of technology!



QUEST

QUALITY EDUCATIONAL
STRATEGIES AND TECHNOLOGIES

*An Enhancing Education Through Technology Grant
with funding from No Child Left Behind legislation*