

VISTE WORKSHOP SCHOLARSHIPS

July 11-14, 2004

**Location, NC State University
Poe Hall, Room 106**

Fourteen technology education teachers for grades 8-12 will receive a scholarship with all expenses paid to attend this workshop. Fill out the information below and submit by **May 15th, 2004** to be considered for a scholarship!

Name _____

Position _____

School Name _____

Home _____

Address _____

State _____ Zip _____

Phone _____

Email _____@_____

List Tech Ed Courses & Grades Taught:

Please return this registration in a stamped envelope to:

Dr. Aaron Clark (VisTE Scholarship Program)
NC State University
College of Education
Graphics Communications Program, Box 7801
Raleigh, NC 27695-7801

VISTE WORKSHOP

July 11-14, 2004

**Location, NC State University
Poe Hall, Room 106**

WORKSHOP HOURS

July 11TH 7:00p.m.- 9:00p.m.

July 12TH & 13TH 8:30 a.m. - 4:30 p.m.

July 14th 8:30 am - Noon

**1.5 hours Technology CEU credit will be
awarded from the College**

CONTACT INFORMATION

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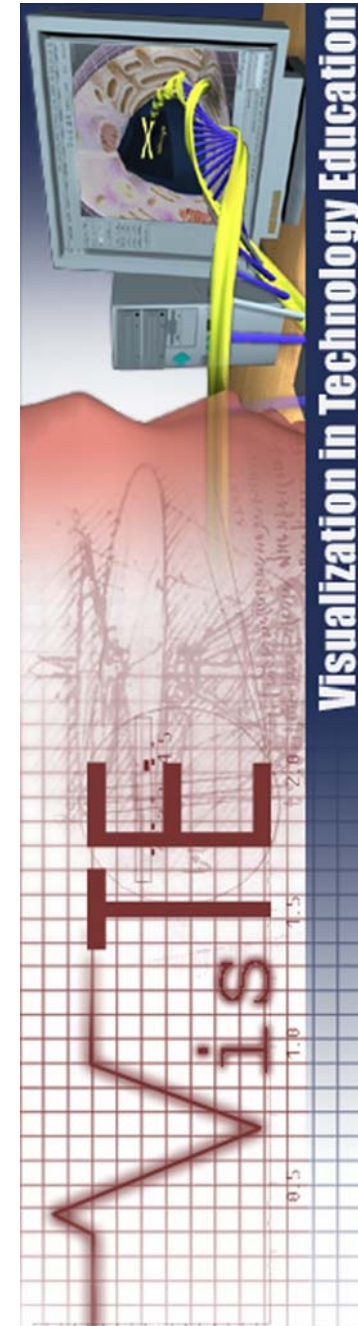
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<http://www.ncsu.edu/viste>



National Science Foundation
(Award #ESI-0137811)





A Powerful Approach for Cultivating Technological Literacy

VisTE is a National Science Foundation funded project, which promotes technological literacy by linking to the Standards for Technological Literacy through the study of visualization, science, and technology. Over a three year period, our project team will develop, pilot, and evaluate 12 activities for technology education in grades 8-12. These activities will...

- Promote effective use of graphics to communicate scientific and technical information
- Support conceptual and theoretical problem solving through an inquiry-driven design brief format
- Allow visualization of both qualitative and quantitative data
- Support National Standards in Technology, Science and Mathematics
- Promote positive attitudes toward technology

VISTE TOPICS

- Principles of Visualization Skills
- Agricultural and Related Biotechnologies
- Medical Technologies
- Transportation Technologies
- Information and Communication Technologies

PROPOSED GOALS FOR STUDENT LEARNING

- Create visualizations using basic design skills, graphing, image processing, animation and simulation
- Manipulate and manage data
- Master a wide variety of computer data input and output devices
- Create and deliver multimedia presentations
- Become a Problem Solver using design briefs
- Explore careers in scientific and technical visualization

PROJECT RATIONALE

National emphasis is being placed on schools to produce technologically literate students. A technologically literate person understands and effectively communicates basic technological concepts, processes, and interrelationships with science and society. Through instruction in scientific and technical visualizations, the VisTE project focuses on helping students achieve technological literacy by...

- Developing computer-based technical activities that increase student interest and competencies in technology
- Fostering interdisciplinary instruction by helping teachers link technology education to concepts in math and science
- Supporting authentic learning experiences that appeal to diverse learners and learning styles

- Teaching communication skills that cut across all content areas of the technology education standards
- Challenging students to evaluate the societal impacts of certain technologies
- Emphasizing the process of creativity and innovation associated with technological inventions
- Allowing students to experience practical applications of science and mathematics in a technology education environment

VISTE PROJECT PARTNERS

- NC State University
- NC Dept. of Public Instruction
- Southern Regional Education Board (SREB)
- AutoDesk, Inc.
- Research Triangle Institute (RTI)
- Standards for Technological Literacy: International Technology Education Association
- Seven pilot sites (located in PA, NC,VA,TX,OK,FL)

LEARN MORE ABOUT THE PROJECT

- Attend VisTE presentations and workshops at regional & national conferences
- Visit our website at: www.ncsu.edu/viste
- Be selected to participate in our summer workshop program (see back of brochure for information)
- Contact project leaders (see back of brochure)