MARK D. GUY
Associate Professor
Room 12 Education Building
University of North Dakota
Dept of Teaching & Learning
mark.guy@und.edu
701-777-3139

EDUCATION

Ph.D.	Science Education, 1993. The University of Georgia, Athens, Georgia Dissertation: Implementing role change in elementary science: A case study.
M.S.	Education, 1989. Iowa State University, Ames, Iowa
K-6 Certificate	Elementary Education, 1983. The University of Nebraska-Lincoln, Lincoln, Nebraska
B.S.	Psychology, 1972. Nebraska Wesleyan University, Lincoln, Nebraska

PROFESSIONAL EXPERIENCE

Courses Taught

T&L	470	Science in the Elementary School (Methods Block)
T&L	473	Earth & Space Science
T&L	495	Independent Study in Elementary Science
T&L	518	Science in the Elementary School (Graduate)
T&L	571	Teacher Education
T&L	590	Technology for Teaching (Graduate)

PUBLICATIONS

Santangelo, D. & Guy, M. (2004). The force of multimedia slideshows. Science & Children 41(6),20-24.

Guy, M. D., Moen, D., & Spivey, M. (2002). Phase into learning. Science & Children, 40(3), 26-30.

Guy, M.D., & Wilcox, J. (2002). Science discovery centers: Super-charged science! Published in Teaching Teachers, National Science Teachers Association. NSTA Press: Arlington, VA.

Guy, M. D., & Stewart, K. (1999). Balloon racers: Problem-solving at its best! Science Scope.22(6), 30-31.

GRANT ACTIVITY

Co-Author and Co-Principal Investigator
Technology-Supported Authentic Learning Tasks. Implementation grant proposal to the Department of Education, Preparing Tomorrow's Teachers to Use Technology Initiative. $621,400 federal support funded over three years.

PRESENTATIONS

Guy, M. & Trapnell, B. (2006, January). Third grade students' ideas about lunar phases before and after differentiated instruction. Papre presented at the annual meeting of the Assocation for Science Teacher Education, Portland, OR.

Guy, M. (2005, January). Supporting Performance Assessment of Science Teaching with Video Technology. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, Colorado Springs, CO.

Guy, M. (2004, October). Teacher Candidates' Representations of Phases of the Moon: Can a Poster Compete with a Movie? Paper accepted for presentation at the annual meeting of the Region IV meeting of the Association for the Education of Teachers of Science, Dubuque, IA.

Santangelo, D. & Guy, M. (2004, April). Getting hyped about physical science. Presentation at for the National Science Teachers Association national conference, Atlanta, GA.

SERVICE

Chair, T&L Assessment Committee
Chair, T&L Teacher Education Emphasis in Doctorate

Strand Co-coordinator of proposal reviewers – NARST National Convention (2007)
Director, North Central Region of ASTE (2005)
Strand Coordinator of proposal reviewers – ASTE National Convention (2005)
Elections Committee – Chair, ASTE (2004)
Elections Committee, Association for Science Teacher Education - ASTE (2003)
\Co-Convention Coordinator, AETS National Convention, St. Louis, MO; January, 2003
Editor, AETS-Sponsored column, Journal of Elementary Science Education (2001-2005)