

Woody McKenzie
SENCER Leadership Fellow
Biosketch

Woody McKenzie earned his Doctorate of Philosophy in Curriculum and Instruction (1996) from VA Tech. He received a Master of Arts in Teaching Biology (1985) from Northern Arizona University, Flagstaff, AZ and a Bachelor's of Science with Honors in Biology (1974) from Concord College, Athens, WV. He has experience teaching in both public schools (high school biology and chemistry) and at universities (physical science and science education) as well as supervising student teachers in the public school setting. His doctoral thesis focused on reform in science education and this continues to be a prime research interest. As a research assistant at VA Tech, he actively collaborated as part of a Science Assessment Team to document and assess the progress of the Virginia Quality in Education Science and Technology (V-QUEST) grant for investigative and interdisciplinary science and math reform, involving secondary and undergraduate educators. As an instructor in the Department of Chemistry and Physics at Radford University, he was actively involved as a consultant and workshop teacher for an in-service teacher education grant. Currently at Lynchburg College, he teaches a science/math methods course for pre-service elementary teachers and a general science course aimed at non-majors. He has just initiated a new Masters in Science Education Program at Lynchburg College. Other interests include exploring the potential for new educational technologies as tools for learning, specifically multimedia portfolios as a vehicle for representing as well as extending learning. Dr. McKenzie is affiliated with the American Educational Research Association, Association for Education of Teachers of Science, School Science and Mathematics Association, and the Virginia Academy of Science.

Woodrow L. McKenzie
Assistant Professor
School of Education and Human Development
Lynchburg College

Ph.D. in Curriculum and Instruction, VA Tech, 1996
MAT in Biology, Northern Arizona University, 1984
B.S. in Biology, Concord College, 1974

Research/Teaching and Related Experience

Three years experience in a research chemistry lab, two years research in desert ecology, and three years research in education.

Four years public school teaching experience, one year supervising student teachers, and three years university level teaching (undergraduate and graduate level).

Two years experience in public contact for the Arizona State Dept of Agriculture and the Forest Service.

Selected Presentations and Publications

Glasson, G. E. & McKenzie, W. (1995, Nov.). Assessment of Pre-/In-service V-QUEST Project using Multimedia Technology. Presentation at Virginia's First Joint Conference on Teaching Mathematics and Science, Williamsburg, VA.

Glasson, G. E. & McKenzie, W. (1995, Jan.). V-QUEST Project Assessment: Investigative and Interdisciplinary Science Reform at the Secondary and Undergraduate Levels. Presentation at Association for Education of Teachers of Science Annual Conference, Charleston, WV.

Glasson, G. E. & McKenzie, W. (1995, May). V-QUEST Reform Efforts: Investigative Biology at the Undergraduate Level. Presentation at the annual meeting of the Virginia Academy of Science, Virginia Military Institute, Lexington, VA.

McKenzie, W. & Glasson, G. E. (1995, May). V-QUEST Reform Efforts: Investigative Biology at the Secondary Level. Presentation at the annual meeting of the Virginia Academy of Science, Virginia Military Institute, Lexington, VA.

McKenzie, W. & Glasson, G. E. (1994, May). Investigating high school students' perceptions of their science education - initial V-QUEST study. Presentation at the annual meeting of the Virginia Academy of Science, Harrisonburg, VA.

McKenzie, W. & Glasson, G. E. (1996, May) The Transformation of a Graduate Teaching Assistant: A Case Study in Undergraduate Science Reform. Presentation at the annual meeting of the National Association for Research in Science Teaching, St. Louis.

Glasson, G. E. & McKenzie, W. (1996, May) The Development of a Multi-media Class Portfolio for Authentic Assessment in a Science Methods Class for Pre-Service Teachers. Presentation at the annual meeting of the National Association for Research in Science Teaching, St. Louis.

McKenzie, Woodrow L. & Plante, Sara M. (1997, May) Concept Mapping to Explore Student Perceptions in Science. Presentation at the annual meeting of the Virginia Academy of Science, Virginia Tech, Blacksburg, VA.

Glasson, G. E. & McKenzie, W. (1998, Jan) Investigative Learning in Undergraduate Freshman Biology Laboratories. Journal of College Science Teaching, XXVII, NO3