

Curriculum Vita

Sharen E. Keatch

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Education

Professional Development Degree in Science and Education, 1998
University of Nevada, Las Vegas, NV (GPA 4.0)

M. S. Degree in Geology, 1993
Kent State University, Kent, OH (GPA 3.9)

B. S. Degree in Physical Geography, 1991
Leicester University, England (GPA 3.75)

Relevant Work Experience

Senior Lecturer, 2008-present Eastern Washington University

- Teach classes in Earth Science Secondary Methods, Middle Level Earth Science Inquiry, Middle Level Science Methods, independent studies in addition to the classes listed below as adjunct faculty.
- Earth Science Education and Natural Science Advisor.
- Developing and implementing changes to the Middle Level Science Program.
- Co-Director Summer Geology Field Camp

Part Time Adjunct Faculty, 2004 – 2008 Eastern Washington University

- Classes taught include Introduction to Geology, Earth Science for Elementary Education, Surficial Processes, and Geology Field Camp.

High School Science Teacher, 1998 – 2002 Silverado High School, Las Vegas, NV

- Taught Earth Science, Principles of Science, and Marine Science classes for grades 9-12. Science Club Advisor

Staff Geologist, 1996 – 1998 Geotechnical & Environmental Services, Las Vegas, NV

- Conducted geotechnical and environmental field and lab analyses.
- Analyzed geologic data and wrote environmental (Phase-I-3) reports.

Environmental/Field Soils Technician, 1994 – 1996 ATEC, Evansville, IN

- Soil and concrete field and lab analyses and instruction of employees in techniques and use of specialized computer programs.

Lab Supervisor/Research Technician, 1993-1994 N Arizona Univ., Flagstaff, AZ

- Coordinated and managed paleoecology lab, including instruction of student lab assistants.
- Database management and statistical analyses.

Professional Memberships & Licensure

- State of Washington Professional Geologist License
- National Science Teachers Association
- Washington Science Teachers Association
- Sigma Gamma Epsilon, National Earth Sciences Honorary
- Sigma XI, The Scientific Research Society

Recent Conferences and Symposium Attendance

- Geological Society of America, Cordilleran & Rocky Mountain Regional Conference 2014
- NCUR session moderator 2014
- WSTA annual meeting, 2009 & 2014
- Spokane Falls Community College Science Symposium, 2013
- Geological Society of America National Meeting, Portland 2009
- Teachers of Teachers of Science (TOTOS), 2009

Additional Contributions, Awards and Grants

- Chairs Excellence Award, CSTEM, EWU, 2016
- Workshop and participation in InTeGrate project (incorporating NGSS in science teaching in Washington State), 2015
- Science Olympiad Eastern Division Planning Committee, 2013 - present
- Eastern Washington University equipment fund, 2014
- Co-taught fieldtrip workshop for WSTA annual conference, 2014
- Science Work Group Member for PESB, revising state competencies for earth & space science, 2014
- Kalispel Eastern Washington University Summer Camp, workshop creator, 2013
- Editing and advising on “Glaciers, Ice Dams and the Channeled Scablands: A hands-on science curriculum for grades 4-8”, produced by the Cheney-Spokane Chapter of the Ice Age Floods Institute, 2012
- Science Olympiad, State & Regional supervisor, various earth sc. events 2006-16
- International Academic Award, Kent State University, 1992
- Mountain Research Station, Univ. of Colorado, Grad. Student Fellowship, 1992
- Sigma XI Research Grant, 1992
- Sigma Gamma Epsilon Field Camp Scholarship and Glenn Frank Award, 1992
- International Erosion Control Association Scholarship, 1992

Publications

Harbor, J. M. & S. E. **Keattch**, 1995: An undergraduate laboratory exercise introducing form-development modeling in glacial geomorphology. *Journal of Geological Education*, 43, 529-533.

Jackson, S. T., J. T. Overpeck, T. Webb, III, S. E. **Keattch**, & K.H. Anderson, 1995: Mapped plant macrofossil and pollen records of the late Quaternary vegetation change in eastern North America. *Quaternary Science Reviews*, 16, 1-70.

Wells, N., S. Richards, S. Peng, S. E., **Keattch**, J. A. Hudson, & K. Copey, 1993: Fluvial processes and recumbently folded cross beds in the Pennsylvanian Sharon Conglomerate in Summit County, Ohio. *Sedimentary Geology*, 85, 63-83.