CURRICULUM VITA

GREGORY ALAN COVERDALE

Home Address
344 Jackson Street
Marquette, MI 49855
Phone: 906-226-1034

Office
187 Whitman Hall – School of Education
Northern Michigan University
Phone: 906-227-2432
Email: gcoverda@nmu.edu

EDUCATION

Ph.D.	**1996**	**Curriculum, Teaching, and Educational Policy** Michigan State University. Major: Disciplinary Knowledge, Science Education Cognate: Teaching and Learning in Science, K-8.
M.Ed.	**1988**	**Curriculum and Instruction** Saint Michael's College. Emphasis: Computer Education
B.S.	**1972**	**Major: Earth Science Minor: Geography** Ball State University.

DISSERTATION:

Coverdale, G.A. 1996. The use of instructional technology in pursuing scientific literacy: A case study of a fourth grade teacher. Michigan State University.

PROFESSIONAL GOALS AND INTERESTS:

Graduate Level Science Education
Field-based Environmental Education
MYP Science Teaching
Science Coordinator

HONORS

2004	**Recipient,** Professor of the Year, College of Education, St. Cloud State University.
2003	**Recipient,** Professor of the Year, College of Education, St. Cloud State University.
2002	**Recipient,** Woodrow Wilson National Fellowship, St. Cloud State University.
2002	**Recipient,** Professor of the Year, College of Education, St. Cloud State University.
1997-1999	**Recipient**, Special commission for education departmental reform, DePauw University.
1991-1992	**Recipient**, University Recruiting Fellowship, Michigan State University.

PROFESSIONAL EXPERIENCE: Northern Michigan University

2006-Present **Associate Professor of Teacher Education**

ED 312: Science Methods for Elementary Teachers

ED 483: IT for K-12 Teachers

MSED 252: Earth Science for Educators

MSED 350: Science Methods for Secondary Teachers

ED 500: Graduate Education Seminar

ED 595: Methods in Environmental Education

PROFESSIONAL EXPERIENCE: St. Norbert College

2004-2005 **Associate Professor of Teacher Education**

ED 285: Integrated Elementary Science & Mathematics Methods

ED H20: Educational Psychology for Teaching

ED H49: Field Experience Seminar

ED H50: Secondary Science Methods

DN 301: Environmental Studies

PROFESSIONAL EXPERIENCE: St. Cloud State University

2000-2004 **Associate Professor of Teacher Education**

CFS 418: Science, mathematics, and social studies methods for Birth through grade 3 education majors.

ED 412: Social studies methods for elementary majors.

ED 411: Science methods for elementary majors.

ED 414: Foundations of Education.

ED 420: Elementary student teaching supervision.

ED 659: Integrating technology across the curriculum.

ED 610: Introduction to Curriculum and Instruction.

HO 300: Science investigations for Honors students.

HO 400: Science investigations for Honors students.

HO 300: The World of Wilderness: Essays & Outdoor Experience

PROFESSIONAL EXPERIENCE: The Pennsylvania State University, Harrisburg

1998-2000 **Assistant Professor of Science Education**

EDSCI 454: Science Education for Elementary Majors. The course emphasizes environmental education, authentic science inquiry, a field placement component, and integrating technology into the science curriculum. The course is framed by the National Science Education Standards, the Pennsylvania Environment & Ecology Standards, and the National Education Technology Standards.

EDUC 462: Technology for Teachers. The course focuses on integrating information technology across the curriculum, specifically the major content areas of Language Arts, Mathematics, Science, and Social Studies.

PROFESSIONAL EXPERIENCE: DePauw University

1995-1997 **Assistant Professor and Director of Elementary Student Teaching, DePauw University.**

EDUC 260: Science Education for Elementary Majors. This course focused on preparing novice teachers to teach for scientific literacy in K-8 schools. Students focused on hands-on, minds-on science by conducting a study in a local nature reserve, actively participated in Internet-based technology projects, and designed and taught a science unit. An interdisciplinary approach was utilized.

EDUC 230: Intro to Exceptional Children. This course examines exceptional children and the role of families and schools in meeting their needs

EDUC 450A: Elementary Student Teaching. Responsible for placement and supervision of student teachers in the local community as well as in the Indianapolis Metropolitan Area. Designed and conducted a weekly guided practice seminar for student .

EDUC 470A: Classroom Management Seminar for elementary student teachers. A seminar offered prior to and after the student teaching experience. Course focuses on management techniques, discipline strategies, curriculum and planning. When possible, taught on-site in a local school.

PROFESSIONAL EXPERIENCE: Michigan State University

1994-1995 **Graduate Assistant, Michigan State University.**

TE 401: Teaching Subject Matter to Diverse Learners. Worked with science education faculty to design and teach a section of science methods for elementary education majors. Course also included an extensive field component with students placed in local schools, an outdoor and community education component, analysis of state and national science education policy, and unit planning focused on conceptual change teaching. (Fall, 1994)

TE 501: Guided Practice Seminar for Teaching Interns. Designed and conducted a weekly graduate-level seminar for 5th-year teaching interns. Seminar focused on issues emergent from the student teaching experience. Coordinated the interactions between mentor teachers, interns, and university personnel. Served as the MSU intern liaison to Murphy Elementary School, Haslett, MI. This course is required for Michigan teacher certification. (Entire school year, 1994-95)

TE 804: Inquiry in Curriculum and Teaching. This seminar for 5th-year interns focused on subject matter teaching and curriculum design for elementary science. Evaluation of science curricular materials and the design of a science unit emphasizing conceptual change were highlighted.

TE 401: Teaching Subject Matter to Diverse Learners. Designed and taught science methods to secondary, post-B.A. cohort as part of the multi-subject instructional team. Assisted in conceptualizing and planning instructional strategies, including an extensive outdoor and community education component, analysis of state and national science education policy, and unit planning focused on conceptual change teaching. (Summer, 1994)

1993-1994 **Graduate Assistant, Michigan State University**

Worked with a team of educators to develop and write teaching modules for the Tune In Math and Science program. This life science module is a distance learning project supported by General Motors Institute and is broadcast to schools nationally. (Entire school year, 1993-94)

TE 401: Teaching Subject Matter to Diverse Learners. Designed and taught social studies methods to a section of elementary education majors. Course also included a field component with students placed in local schools. (Fall, 1993)

Research assistant for the Third International Mathematics and Science Study, a ten-year international study of curricula and instruction in 57 countries. **Analyzed textbooks** using the TIMSS document analysis protocol for science content, performance, and attitudes. Principle investigator on site: William Schmidt. (Summer, 1993)

1992-1993 **Graduate Assistant, Michigan State University**

Field supervisor for seven student teachers including three elementary

and four secondary students. Responsibilities included classroom

visits, consultations with mentor teachers and student teachers, and assignment of grades. Coordinated fieldwork assignments and conducted three professional seminars. (Spring, 1993)

TE 318: Elementary and Middle School Science Methods. Designed and taught a science methods course emphasizing hands-on, minds-on science teaching and learning. Major components of the course included planning and implementing field placement in local schools

and unit planning incorporating teaching for conceptual change. (Fall, 1992)

Contributed to a curriculum project sponsored by the Kellogg Foundation and the Michigan Department of Education to develop, implement, and evaluate science lessons that model the **MI Essential Goals and Objectives for Science Education, K-12.** Project Supervisor: Theron Blakeslee. (Fall, 1992)

1991-1992 **Science Consultant, Michigan Department of Education**

During my first year of doctoral study, I worked as a science consultant for the Michigan Department of Education. My primary responsibilities included:

Consult with and support the 22 Mathematics and Science Centers throughout Michigan. Provide technical assistance, administer the the Centers' support grants, make site visits to Centers, and ensure the implementation of state grants.

Work with statewide network of colleagues in the development and implementation of the **Michigan Statewide Systemic Initiative** for the improvement of science, mathematics, and technology teaching in Michigan. The initiative supported by the National Science Foundation. Project Supervisor: Nancy Mincemoyer-Boyce.

Collaborator with the Saginaw, MI city schools in participating in the Elementary Science Leadership Conference sponsored by the National Science Resource Center at the Smithsonian Institute. Worked with a team of educators and Dow Chemical representatives in developing a hands-on, minds-on elementary science program to be implemented in the Saginaw City Schools. Followed-up as a project collaborator with educators and administrators in Saginaw during the Fall of 1992.

PROFESSIONAL EXPERIENCE: K-12

1989-1991 K-12 Gifted and Talented Coordinator, K-6 Science Coordinator. Worked with educators to plan and implement a program for the gifted and talented. Coordinated elementary science activities including instruction, curriculum development, staff development, and science fair. Directed international telecommunications project for middle school science students and supported students' publishing efforts in the student publication **Student Environmental Alliance.**

The American School in Lima. Lima, Peru.

1980-1987	Earth/Life Science, Geography Teacher. Gifted and Talented Teacher. Gifted and Talented Coordinator Grades K-8. Served on district science, G/T, and social studies curriculum committees. Designed and implemented program integrating instructional technology into subject matter areas. Sponsored middle school study trips within Saudi Arabia,Kenya, and Jordan. Jubail Academy, Kingdom of Saudi Arabia.
1979-1980	Earth and Environmental Science Teacher grades 9-12. Andover High School. Bloomfield Hills, MI.
1978-1979	Geography Teacher, Humanities Department Chair. Port Moresby International High School. Port Moresby, Papua New Guinea.
1972-1978	Geography, Earth Science, and Social Studies Teacher. Baulkham Hills High School. Sydney, Australia.

PROFESSIONAL DEVELOPMENT

1995-present	Project GLOBE Training, Boulder, CO, August 2008. Project GLOBE Training, Fairbanks, Alaska, March 2007 Project GLOBE Training, Fairbanks, Alaska, September 2006 MI Environmental Education, 1-week workshop, 2006 GPS/Geocaching, DePere, WI, 2006 Great Lakes Education Workshop, Wisconsin, 2006 Environmental Learning Institute Workshop: Ecology of the Arctic Tundra, Alaska Environmental Learning Institute Workshop: Ecology of the Alaska Range, Alaska Environmental Learning Institute Workshop: Ecology & Geology of Clayoquot Sound, Vancouver Island, British Columbia Woodrow Wilson National Fellowship – Teacher Outreach, British Columbia Six SITE technology conferences Connected Teacher technology conference Palm computing workshop NSTA Baltimore conference Native American Issues workshop Student teaching workshops Penn State Medical School Science workshops Chesapeake Bay Foundation training WebCT workshop National Science Teachers Association National Conference National Science Teachers Association Regional Conference Corporation for Public Broadcasting Technology Conference SITE97 Technology Conference (Spring 1997) Science and technology consultant to MSD of Wayne Township Teacher Education and Technology Conference - Indiana University Revitalizing Undergraduate Mathematics & Science - Michigan State National Educational Computing Conference - Seattle, June 1997
1991-1994	Project 2061 Conference, Michigan State University Training in Project Wild and Project Learning Tree

	Participant in Michigan State University Teacher Education Colloquy National conference of the National Science Teachers Association Elementary Science Leadership Conference, Washington D.C.

Mathematics for Under-represented Groups
Family Math & Family Science
Training in the implementation of the Michigan Science Objectives
Project Aspire - Equity in Science and Mathematics
Michigan Department of Education - Science Centers Seminars
Executive meetings for the Michigan Statewide Systemic Initiative
State conference of the Michigan Science Teachers Association

WORKSHOPS AND PAPERS PRESENTED

2005-Present

Spanning the GLOBE: Implementing the GLOBE program from K to grad school. Wichita, Kansas. Accepted presentation at the 2008 North American Association for Environmental Education National Conference.

The Clear Lake Environmental Camp for Educators: Preservice teachers at Northern Michigan University experience Project Wild, Project Learning Tree, and Project WET. Lansing, MI. 2008. Michigan Science Teachers Association.

GLOBE in action: Graduate & undergraduate students implement the GLOBE protocols. Lansing, MI. 2008. Michigan Science Teachers Association.

Introducing the GLOBE Program: Doing authentic science with a worldwide audience. Lansing, MI. 2008. Michigan Science Teachers Association.

Smart Growth: Using Models to Promote Inquiry Learning. Virginia Beach, VA. 2007. North American Association for Environmental Education National Conference.

Handheld Technology and Water Quality Monitoring. Stevens Point, WI. 2007. North American Association for Environmental Education.

Field Computers, GPS Units, Handhelds & Distance Education: Water Quality & Teacher Education, Manitowoc, WI. 2006. North American Association for Environmental Education Regional Midwest Conference.

Project GLOBE: Environmental Education for MI Teachers, Grand Rapids, MI 2005

2004

Ecology and Geology of the Arctic Tundra and Brooks Range. St. Cloud State University, April. 2004.

2003

Ecology and Geology of the Alaska Range: Environmental Implications. St. Cloud State University, October 2003.

2002

The Cold Spring Caper: The evolution of a real-world science issue. NSTA Regional. Portland, OR. November 2002.

Inquiry-based science learning in Clayoquot Sound. Tofino, British Columbia. August 2002.

2001

Web quests and science literacy: A document analysis. Society for
Information technology and teacher education, Orlando, FL, March 5-6, 2001.

Developing an understanding for the social studies through technology-rich quest projects. Society for information technology and teacher education, Orlando, FL, March 5-6, 2001.

Did Marco Polo actually go to China? MnSta/Wisconsin Science Teachers Association Conference, Duluth, MN, March 2001.

Project RiverWatch: Monitoring Minnesota's Streams. MnSta/Wisconsin Science Teachers Association Conference, Duluth, MN, March 2001.

2000

Science and the Internet. Beginning Teacher's Conference, St. Cloud State University, November 11, 2000.

Meeting the national science education standards. Beginning Teacher's Conference. St. Cloud State University, November 11, 2000.

Watershed education in the middle school: What's bugging our Streams? State-level middle school conference, Bloomington, MN, December 7, 2000.

Using benthic macroinvertebrates in stream studies. National Science Teachers Association Regional Conference, Baltimore, MD, November 16, 2000.

Sci links: Linking technology and scientific inquiry. Presented at the Society for Information Technology in Education conference. San Diego, CA, February 6, 2000.

RiverWatch Project: The confluence of science and technology. Presented at the Mathematics, Science & Education Technology conference. San Diego, CA, February 8, 2000.

1999

Trekking through the Rift Valley: AfricaQuest in the college classroom. Presented at the Society for Information Technology in Education conference. San Antonio, TX. February 1999.

1998

Rivers a Source of Life: An Interdisciplinary Unit. Co-presented with Ms. Eve Stark, 5th grade teacher. Indiana Association for the Gifted and Talented conference. Indianapolis, IN, April 28, 1998.

Preservice teachers' use of instructional technology in teaching elementary science. Presented at the Society for Information Technology in Education conference (SITE 98), Washington, D.C.
March 11, 1998.

Preservice teachers' use of instructional technology in teaching elementary science: Practical classroom examples. Presented at theTwin Spires of Learning: Mathematics and Science regional conference. Louisville, KY. October 15, 1998.

Have degree will travel: Using travel slides to supplement interdisciplinary science. Presented at the Hoosier Association of Science Teachers, Inc. Indianapolis, IN. February 12, 1998.

Using electronic fieldtrips to facilitate scientific inquiry. Presented at the Hoosier Association of Science Teachers, Inc. Indianapolis, IN. February 13, 1998.

1997

Electronic fieldtrips: Student explorations of the Great Rift Valley. Presented at the National Science Teachers Association regional conference in Denver, CO, November 20, 1997.

Brownstown Central Staff Development Workshop. Presented keynote address: "The changing role of teachers in a media-driven society." June 23, 1997.

Electronic fieldtrips: Student explorations of the Great Rift Valley. Presented at the Society for Information Technology in Education conference (SITE 97), Orlando, Florida. April 1-5, 1997.

Faculty Forum: "Scientific Literacy: What is it? Why we need it." DePauw University. February 20, 1997.

"Integrating instructional technology across the curriculum with special emphasis on science education." Metropolitan School District of Wayne Township, Indianapolis, IN.

"Electronic fieldtrips: Integrating instructional technology into the elementary science curriculum." Tzouanakis Intermediate School, Greencastle, IN.

1994

"Using telecommunications in teaching elementary science." Murphy Elementary school. Haslett, MI.

1993

Professional development seminars on teaching and learning in support of novice teachers. Michigan State University, East Lansing, MI.

1992

"Using technology in teaching middle school science: The World Class Project." Jackson ISD. Jackson, MI.

"Using technology in pursuing the state's new goals and objectives for K-12 science education." Delta-Schoolcraft ISD. Escanaba, MI.

"The World Class Project: Connecting to global education." Global education graduate seminar. Michigan State University, East Lansing, MI.

1989-1991

Professional development workshops over two-year period in support of the PACE Program - Program forAcademic and Creative Enrichment. K-12. Lima, Peru.

Professional development workshops over two-year period in support of the Elementary Science Program. K-6. Lima, Peru.

PUBLICATIONS

Coverdale, G.A., Stanley, A., & Normand, L. Submitted April 2008. Modeling good science learning in the middle school classroom: Bringing Earth Science to life. Science Scope, Arlington, VA: National Science Teachers Association.

Coverdale, G. A., Anderson, D. Submitted May 2008. Preparing middle level science teachers: A practicum for preservice teachers. Journal of College Science Teaching, Arlington, VA: National Science Teachers Association.

Coverdale, G.A.. Rust, A., Jensen, B.. Summer 2004. Make a splash with Project WET water festivals: An ideal science learning environment. Science & Children. Arlington, VA: National Science Teachers Association.

Coverdale, G.A. 2003. Inquiry is for the birds: Promoting standards-based learning through backyard birdwatching. Science Scope. Arlington, VA.: National Science Teachers Association.

Coverdale, G.A. 2002. The Gift. A poem accepted for publication on the website of the Environmental Learning Institute. Tuscon, Arizona

Coverdale, G.A. (Nov 2002). Tracking development: Pursuing scientific inquiry on the

Lytle Creek. Journal of College Science Teaching. Arlington, VA.: National Science Teachers Association.

Coverdale, G.A. (in press). Integrating environmental education and the social studies: Studying the health of the Chesapeake Bay watershed. Social Education. Washington D.C.: National Council for the Social Studies.

Coverdale, G.A. (2001). The quest for scientific inquiry: A document analysis of quest Projects. Technology and Teacher Education Annual – 2000. Charlottesville, VA: Association for the Advancement of Computing in Education.

Coverdale, G.A. (2001). Developing an understanding of the social studies through technology-rich quest projects. Technology and Teacher Education Annual – 2000. Charlottesville, VA: Association for the Advancement of Computing in Education.

Coverdale, G.A. (2001). Deepening the river in middle level science education. Minnesota Association of Mieddle Level Education. Minneapolis, MN: MAMLE.

Coverdale, G.A. (2001). Reconstructing and analyzing the past: Revisiting the adventures of Marco Polo through the eyes of National Geographic and

AsiaQuest. Computers in the Social Studies, Vol 9, #4. Tulsa, OK. [Available] cssjournal.org

Coverdale, G.A. (2001). Developing an understanding of the social studies through technology-rich quest projects. (Re-printed with permission by Computers in the Social Studies [Available] cssjournal.org.

Coverdale, G.A. (2000). SciLinks: Linking technology and scientific inquiry. Technology and Teacher Education Annual-2000. Charlottesville, VA: Association for the Advancement of Computing in Education.

Coverdale, G.A. (2000). RiverWatch Project: The confluence of science and technology. Technology and Teacher Education Annual – 2000. Charlottesville, VA: Association for the Advancement of Computing in Education.

Coverdale, G.A., Stark, E., Sofianos-Lantz, A. (1998). Who dunnit? Integrating science and technology into a mystery festival. Powers, S.M., Dutt-Doner, K. (Eds.). Monograph of K-16 technology success stories. Terre Haute: Indiana State University.

Coverdale, G.A. (1998). Preparing preservice elementary teachers to integrate instructional technology into the science curriculum. Technology and Teacher Education Annual-1998. Charlottesville, VA: Association for the Advancement of Computing in Education.

Coverdale, G.A. (1998). Soda lakes, flamingoes, and scientific literacy: Student explorations of the Great Rift Valley. Journal of Information Technology for Teacher Education. London: United Kingdom.

Coverdale, G.A. 1997. Electronic fieldtrips: Student explorations of the Great Rift Valley. . Technology and Teacher Education Annual-1997. Charlottesville, VA: Association for the Advancement of Computing in Education.

Coverdale, G.A. (Jan/Feb 1997). The virtual science classroom: Electronic field trip to East Africa. Media & Methods. Philadelphia: PA.

Parker, J. , Coverdale, G.A. 1994. Tune In Math and Science: Life Science Module. Educational Extension Service, Michigan Partnership for New Education. Michigan State University, East Lansing, MI.

Coverdale, G.A. March, 1991. Telecommunications: The global classroom. Science Scope, 37-38.

Coverdale, G.A. 1991. In Lima, a commitment to the brightest: PACE program offers younger students a valuable chance to excel. The International Educator. West Bridgewater, MA.

Coverdale, G.A. Feb/Mar. 1987. Lessons in archeology. Science Scope, 4-5.

Coverdale, G.A. March, 1986. Journey into the past. International Quarterly, 53-55.

GRANTS

2008 Northern Michigan University ($3500)
2007 Northern Michigan University ($2975)
2007 Northern Michigan University ($500)
2006 Northern Michigan University ($500)

2005 Izaak Walton League ($11,000)
2003 Rivers Council of Minnesota (Submitted) - $3,000
2003 MnSCU Faculty Travel Grant - $1,480 – (St. Cloud State)
2002 MnSCU Faculty Small Grant - $5,000 – (St. Cloud State)
2001 Learn By Doing Grant - $5,000 – (St. Cloud State)
2001 Equipment Supply Grant - $14,000 – (St. Cloud State)
2001 Foundation Grant - $2,100 – (St. Cloud State)
2000 Foundation Grant - $1,900 – (St. Cloud State)
2000 Equipment and Materials Grant - $8,500.00 (Penn State Harrisburg)
1999 Tom Snyder Productions Software Grant - $500.00 (Penn State Harrisburg)
1998 Indiana Network for Development of India Awareness (DePauw)
1998 Materials and Technology Support Grant for Science Education (DePauw)
1998 Course Development Grant (social studies education) (DePauw)
1998 Course Development Grant (technology education) (DePauw)
1997 Technology Support Grant for Teacher Education (DePauw)
1997 Microsoft Corporation: Teacher Training and Professional Development $13,000 (DePauw)
1997 West Central Eisenhower Consortium: Curriculum Development $5,000 (DePauw)
1997 Course Development Grant (social studies education) (DePauw)
1997 Riverwatch Project Equipment Grant - Indiana DNR (DePauw)
1997 Materials and Technology Support Grant for Science Education (DePauw)
1997 Technology Support Grant for Science Education - $2,900 (DePauw)
1996 Course Development Grant (science education) - $3,000 (DePauw)
1996 Technology Next Step Development Grant, Corp. for Public Broadcasting -$5,000(DePauw)

PROFESSIONAL ORGANIZATIONS

National Council for the Social Studies
National Council of Teachers of Mathematics
National Science Teachers Association
Association for the Advancement of Computing in Education
Computers in the Social Studies
National Association for Research in Science Teaching
American Educational Research Association
Association for Supervision and Curriculum Development
International Society for Technology in Education
Association for the Education of Teachers in Science
American Association of Colleges for Teacher Education
Chesapeake Bay Foundation
Project Wild - Project Learning Tree
Phi Delta Kappa

SERVICE TO LOCAL, STATE, AND NATIONAL ORGANIZATIONS

2008 College For Kids, Northern Michigan University

2008 Manuscript Reviewer for the National Science Teachers Association (ongoing)
2008 Science Olympiad, Northern Michigan University
2008 Science Fair Judging, Gwinn Middle School
2008 Science Fair Judging, Father Marquette Middle School
2007 College For Kids, Northern Michigan University
2007 Science Olympiad, Northern Michigan University
2006 Research at Nature Conservancy
2005 Environment and Technology Consultant to the Izaak Walton League
2004 Consultant to the Fallen Timbers Environmental Center

2004 Consultant to the CESA 7 Regional Teaching Unit
2004 Consultant to the Rivers Council of Minnesota
2003 Appointed to the Minnesota Project WET Advisory Board (Water Education for Teachers)
2003 Serve as Minnesota Ambassador for Cornell University's Project FeederWatch
2003 Serve with Friends of the Sauk River, Citizen Science Group
2003 Applied for Board membership with the Rivers Council of Minnesota
2003 Manuscript reviewer for Journal of Technology and Teacher Education (application submitted)
2003 Science and trade book reviewer for the National Science Teachers Association
2003 Manuscript reviewer for the National Science Teachers Association
2002 District 742 (St. Cloud) Grant Writing Committee
2002 Appointed 3 year term on NSTA's Science & Children Publications Committee
2002 Regional Science Fair Judge, St. Cloud State University
2002 Science Fair Judge, Rocori School District
2001 Science Fair Judge, Rocori School District
2001 Volunteered for NSTA Committee Membership
2000 Science Fair Judge, St. Cloud State University
1999 Science consultant to Lower Dauphin School District
1999 Science consultant to Harrisburg School District
1998 Education consultant to the Chesapeake Bay Foundation
1997 Research committee member with NSTA – 3 Year Appointment
1997 Science and Technology Consultant for MSD of Wayne Township Schools
1997 Advisory Board for Educational and Career Services Council
1997 Software reviewer for Videodiscovery, Inc.
1997 Proposal reviewer for the National Association for Research in Science Teaching
1996 Proposal reviewer for the National Association for Research in Science Teaching
1985 Software and text reviewer for the National Science Teachers Association