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**Education:**

Texas Tech University, Lubbock, Texas.  
Ed.D. Curriculum & Instruction (2000). Emphasis in Science Education.  
M.Ed. Curriculum & Instruction (1992). Emphasis in Science Education.  
McMurry College, Abilene, Texas.  
BS Geology (1982)

**Professional Teaching Licenses:**

Secondary Life/Earth Science. State of Texas, 1986.  
Secondary Science, State of Colorado, 2003.

**Professional Experience:**

**Assistant Professor** – Angelo State University, San Angelo, TX. August 2009 to present. Responsibilities include teaching undergraduate classes in Elementary Science Methods, Teacher Education and Practice, and Child and Adolescent Development. Member of the graduate faculty; Member of teacher education program assessment committee. Co-sponsor Kappa Delta Pi.

**Director of Curriculum and Assessment** – Gunnison Watershed RE-1J School District, Gunnison, CO. June 2005 to present. Responsible for all aspects of district wide assessment, curriculum and instruction as well as district accreditation, professional development, curriculum alignment, and NCLB programs in Title I, IIA, IID and IV. Charter School liaison. New teacher orientation and mentoring.

**Assistant Professor** – Western State College, Gunnison, CO. Department of Education. July 2002 to June 2005. Responsibilities included: Teaching undergraduate classes; Director of Student Teaching; Teacher Education Program Advisor; TEAC Coordinator; Supervisor of both practicum and student teachers; oversight of student electronic portfolios. Faculty member for Teacher Summer Institute. Member and Scribe for WSC Faculty Senate; Colorado State Faculty Advisory Council (WSC Representative) and Chair CFAC 2004-2006; GE25 Representative for CFAC; Chair of Selection and Retention Committee for Teacher Education Program; Sponsor - Kappa Delta Pi.

Courses taught included:

Foundations of Education (Online)  
Instructional Design & Assessment for Elementary Teachers  
Classroom Management  
Secondary and Elementary Field Experiences/Practicum

**Assistant Professor** - West Texas A&M University, Canyon, TX. Division of Education. January 2000 to July 2002. Created and directed - Professional Development Schools; Chaired various faculty committees with regards to curriculum alignment and program selection; Student advisor; Created and implemented Masters Degree Program in Curriculum and Instruction for the department; created and taught online courses.

Courses taught at the undergraduate level included:

Elementary Science Methods  
Secondary (Generic) Methods  
Educational Psychology (Online)  
Integrated Methods with Technology  
Classroom Management.

Courses taught at the graduate level included:

Instructional Strategies  
Curriculum Theory (Online)  
Classroom Management  
Secondary Teaching Methods

**Deputy Project Director** - Texas Rural Systemic Initiative (NSF Funded Project), WTAMU, Canyon, TX. January 1999 - January 2000. Responsible for planning and organizing teacher professional development in science and

math, science curriculum alignment activities, consulting with school boards and administrations with concerns of the project, program evaluation.

**Instructor** - West Texas A&M University, Canyon, TX. Division of Education. January 1997 to January 1999.

**Instructor/Student Teacher Supervisor** - Texas Tech University, Lubbock, TX. College of Education. January 1995 - January 1997.

**Earth Science Teacher** - 8th grade, Littlefield JHS, Littlefield ISD, Littlefield, TX. 1988-1995.

**Earth Science Teacher** - 8th grade, Mann Middle School, Abilene ISD, Abilene, TX. 1986-1988.

**Independent Geological Consultant** - Abilene, TX. 1981-1986.

#### **SERVICE:**

##### **At Western State College, 2002-2005:**

- Faculty Senate – 2002-2003, 2004-2005 Senate Scribe.
- General Education curriculum Ad hoc committee participant
- Colorado Faculty Advisory Council (CFAC) 2003-2005, elected Chair of CFAC 2005-2007.
- GE 25 Representative from CFAC to Colorado Commission of Higher Education
- TEAC (Teacher Education Accreditation Council) Liaison
- Sponsor Kappa Delta Pi – International Honor Society in Education
- Advisor – Elementary and secondary students, freshman advising through Western Open.
- Science Olympiad Coach for Gunnison Middle School

##### **At West Texas A&M University, 1999-2002:**

- Director – Panhandle Math/Science Conference
- Teacher Education Unit Committee – Standing University Committee
- Distance Learning Advisory Committee - Standing University Committee
- Chair – Elementary and Secondary Curriculum/Certification Committee – Department
- Director – Design of Masters in Education, Curriculum and Instruction Major
- Advisor – Elementary and Secondary students (approximately 75 students per semester),
- Trainer for the JASON Project
- Trainer for the state of Texas TEXTTEAMS Project
- Trainer for Project Learning Tree
- Textbook Adoption Committee for State of Texas in Environmental Science
- Science Fair Judge
- Science Bowl judge and reader

##### **At Gunnison Watershed School District, 2005-2009:**

- Program Director – Junior Achievement Program
- Gunnison Valley Leadership Program participant
- National History Day – Judge
- FFA Judge
- Chair – District Calendar Committee
- Chair – Graduation Proficiencies Committee
- Volunteer for delivery of High School Lunch Program
- Teacher Education Advisory Committee Member – Western State College
- WSC Partnership Grant - Management Team Member/District Liaison

#### **Publications:**

- Purkiss, C.L., & Mize, C. (2005). Designing the Toolkit: Reconsidering technology integration in a teacher education program. Presentation and in the proceedings of the Society for Information Technology and Teacher Education Annual Meeting, March 2005. Phoenix, AZ.
- Mann, G., Purkiss, C.L., Rogers, J., and Aliyeva, L. (2000). Development of Environmental Education Component for the World Bank-Government of Azerbaijan Education Reform Project. Report written for, and presented to, the World Bank.
- Purkiss, C.L. (2000). Exploring the Perceptions of Middle School Students in an Integrative Environment: A Case Study. Unpublished doctoral dissertation, Texas Tech University, Lubbock.
- Purkiss, C.L. (2000). Azeri children need help to learn about environmental issues. More Than Brick and Mortar. West Texas A&M University Publication: Canyon, TX.

## Professional Presentations

- Purkiss, C.L., Howard, B., Danos, L., Hanks, A., & Wenum, R. Standards-based learning. Presentation at the 40<sup>th</sup> Annual CASE Convention, Breckenridge, CO. August 2009.
- Andersen, A., Purkiss, C., LaDuke-Pelster, F., Mann, G., & Monroe, S. Tools for Content Area Learning. 52nd Annual Convention of the International Reading Association, Toronto, Canada May 13, 2007.
- Andersen, A., Purkiss, C., LaDuke-Pelster, F., & Mann, G. You're Not in Driver's Ed: Real, Practical Ideas to Improve Content Area Learning. 51<sup>st</sup> Annual Convention of the International Reading Association, Chicago, Ill. May 1, 2006.
- Purkiss, C.L. and Welborn-Downing, J. (2004). I need all the books: Using digital cameras to promote literacy in a kindergarten classroom. Presentation at the Annual Meeting of the International Reading Association, Reno, NV. May 2004.
- Andersen, A. and Purkiss, C.L. (2004). Is anybody out here? A study of pre-service teachers and their knowledge of special education resources in the community. Presentation at the Oxford Round Table Addressing the Special Education Needs of Children, Lincoln College in the University of Oxford, England. March 2004.
- Andersen, A., Mann, G., & Purkiss, C.L. (2003). Triadic collaboration: A triangulated approach to technology integration. Presentation at the Annual Meeting of the National Social Science Association: National Technology and Social Science Program 2003 in Las Vegas, NV.
- Purkiss, C.L., Henderson, E., Loe, S., Mann, G., Gunter, T., and Guffy, T. (2002). Meeting the unmet challenge: Alternative certification programs through the use of technology. Presentation at the Annual Meeting of the American Association of Colleges of Teacher Educators 2002 in New York City, New York.
- Purkiss, C.L., and Gibbons, A. (2002). Fight or flight: Integrating technology into pre-service education. Presentation at the National Social Science Association National Technology and Social Science Conference 2002 in Las Vegas, Nevada.
- Burleson, K., Purkiss, C.L., Gibbons, A., Mize, C., Lee, S., and Monroe, S. (2001). Technology Symposium: Integrating technology in a pre-service elementary program. Presentation at the Southwest Educational Research Association annual meeting in New Orleans, LA. February 2001.
- Purkiss, C.L. (1998). Technologically Proficient Professional Development Schools. Presentation at the 2<sup>nd</sup> Annual Conference on School-University Partnerships 1998 in San Antonio, TX.
- Purkiss, C.L. & Robinson, C.A. (1998). West Texas Environmental Project. A poster presentation at the 90<sup>th</sup> Annual Meeting of the American Society of Agronomy, Crop Science Society of America and the Soil Science Society of America, in Baltimore, MD.
- Robinson, C.A., & Purkiss, C.L. (1998). Partners in Science: Mentoring Preservice Science Teachers. A poster presentation at the 90<sup>th</sup> Annual Meeting of the American Society of Agronomy, Crop Science Society of America and the Soil Science Society of America, in Baltimore, MD.
- Purkiss, C.L. (1998). Using science to make math connections for elementary teachers. Presentation at the National Association of Research in Science Teaching annual meeting in San Diego, CA. April 1998.
- Cooper, Sandra B., Purkiss, Christine, & Thomas, Julie A. (1997). The dream team: How does collaborative team teaching work? Paper presented at the Annual Meeting of the American Educational Research Association in Chicago, Illinois.
- Thomas, J., Cooper, S. B., & Purkiss, C. (March, 1997) Paradigm of change: Doing math the science way. Paper presented at the National Association for Research in Science Teaching Annual Meeting, Chicago.
- Purkiss, C.L. (1997). Deconstructing educative relationships: A study of transition from situated to decontextualized curriculum contexts. Presentation at the American Educational Research Association annual meeting in Chicago, IL. March 1997.
- Purkiss, C.L., Powell, R.R., & Perry, K. (1996). Understanding STS as a curriculum framework for reforming science education: A longitudinal study of elementary and secondary science teachers. Paper presented at the Southwest Educational Research Association annual meeting in New Orleans, LA., January 1996.

## Grants and Awards Received:

Colorado Department of Education - Summer School Grant for middle school math and reading. (2008). \$10,500

Colorado Department of Education Financial Literacy Grant to provide materials and direction for secondary level financial literacy (2006). \$5,400

Colorado Commission on High Education (CCHE). No Child Left Behind – Data Driven Assessment Project with Gunnison and Montezuma-Cortez Schools. 2005-2006 (\$75,000)

WSC Foundation Grants – For EDUC 292 field trip to Center, 2002 (\$250); Kappa Delta Pi Members to attend KDP Biennial Conference in St. Louis, 2003 (\$1200); funding for trip to Oxford Round Table, Oxford, England 2004 (\$2400); funding for one day student conference Spring 2005 (\$1,000).

Project Director – “We Need Science” A grant to improve the science teaching and understanding for grades 1-6 teachers at Lakeview Elementary School in Canyon, Texas. Texas A&M University Regent’s Initiative Grant 2001-2002 (\$18,000)

Project Director – Regional Science Survey. A project that constructed and administered a needs assessment in science teaching and learning for K-8 teachers in the Panhandle of Texas. Texas A&M University Regent’s Initiative Grant 2001-2002 (\$6,000)

Project Director - Partners in Science - Texas SSI/NSF Funded Project, WTAMU 1998 (\$20,000)

Co-Project Director - West Texas Environmental Project, ANRCP Funded Project WTAMU/Texas Tech University. 1998. (\$120,000)

Project Director - What on Earth is Math? - Eisenhower Funded Project, WTAMU/Hereford ISD. 1997-98 (\$75,000)

Teaching Excellence Award. West Texas A&M University 2000-2001

Texas A&M University System Regent’s Initiative Academy. Member 2001-2002.

Instructor – Regional Collaborative for Excellence in Science Teaching. A collaboration of WTAMU, Amarillo College and the Region 16 Education Service Center to provide ongoing professional development for science teachers. Funded by the Texas Education Agency, NSF, UT Austin and various business partners.

Richardson Fellow - Texas Education Agency/Texas A&M University System - 1998-99

Science Specialist - "Let’s Get Physical with Math", WTAMU/Hereford ISD. 1998-99 Eisenhower Funded project.

Science Specialist - "Doing Math the Science Way" Texas Tech University, Lubbock, TX. Summer 1996. Eisenhower Funded project.

#### **Evaluation Experience:**

Evaluator - Power Educators, (State funded grant) Gunnison School District, Spring 2005.

Evaluator. – Rural Mountain Organization for Technological Enhancement, US-DOE funded grant, Mountain Valley Schools Consortium, CO. 2001-2006.

Evaluator – Elementary Science Project, Eisenhower Funded Project at Amarillo College, 2000-2001

Evaluator - T3 Program, Eisenhower Funded Project, WTAMU, 1999-2000

Evaluator - Region 16 Regional Collaborative for Excellence in Science Teaching, Amarillo, TX 1999-2000.

#### **Workshops Presented:**

WebQuests. WSC Extended Studies Teacher Summer Institute, Gunnison. Summer 2004

Classroom Management: The first days of school. WSC Extended Studies. Gunnison - Summer 2003, 2004 and at CMC, Buena Vista - Spring 2004

Inquiry Methods of Teaching. WSC Extended Studies. Spring 2004, Summer 2004

Diving Into Density. Colorado Science Convention Workshop. Denver, CO November 2003

Electrical Circuits Made Simple. Colorado Science Convention Workshop. Denver, CO November 2003

Rip It Off and Do It: Using Inquiry Based Learning in the Classroom. Texas Rural Systemic Initiative Leadership Conference, Corpus Christi, TX June 2003.

TexTeams – Systems (6-8 grades). Region 8 Education Service Center, Huntsville, TX. October 1999, Region 16 Education Service Center, Amarillo, TX. Spring 1999, February 2001, October 2002, January 2003.

The One Computer Classroom. Region 16 Annual Technology Conference, Amarillo, TX. Fall 2000.

TexTeams – Geology, Meteorology and Oceanography (6-12 grades). Region 8 Education Service Center, Huntsville, TX. July 2000.

Inclusion in the Classroom: Strategies that work. Panhandle Middle School Conference, Amarillo, TX January 2000

The Learning Cycle, Region 17 Education Service Center, Lubbock, TX. March & June 1998, March 1997. Region 16 Education Service Center, Amarillo, TX. June 2000

Mentoring the Pre-service Teacher. Canyon ISD - Summer 1998. WTAMU Pace Program -

September 1998. WTAMU Step Program - September 1998. WTAMU Cooperating Teachers for Student Teaching - October 1998.

What on Earth is Math? Hands-on activities in Earth Science. CAST, Corpus Christi, TX. November 1998.

Energizing Earth Science, Region 17 Education Service Center, Lubbock, TX. October 1996, March 1997, June 1998.

Density for Elementary Science Teachers, Region 17 Education Service Center, Lubbock, TX., October 1996.

Kitchen Chemistry for Elementary Teachers, Region 17 Education Service Center, Lubbock, TX. March 1997.

Inductive Approaches in Teaching, Regions 16/17 Education Service Centers, Amarillo & Lubbock, TX. June 1992, April 1996, June 1997, March & June 1998, West Texas A & M University, November 1996.

Project ESTEEM - Hands-on earth science activities for grades 5-9.  
Region 17 Education Service Center, Lubbock, TX. April and June 1993; March 1994.  
Texas Tech University, Lubbock, TX. March 1993. West Texas A&M University, Canyon, TX. April 1994 and November 1996.

Seismic Sleuths - An earthquake curriculum for grades 7-12.  
West Texas A&M University, Canyon, TX. October 1998  
West Texas A&M University, Canyon, TX. November 1994.  
Texas Tech University, Lubbock, TX. April 1995.  
Science Teachers Association of Texas Annual Conference, Corpus Christi, TX. November 1995.

#### **Consulting:**

Brownsville ISD – 2000/2001. Professional development for middle school science teachers.

FOSS – 2000/2001. Professional Development training for elementary and middle school teachers in various FOSS kits.

The World Bank – 2000/2001. Research and presentation of a white paper regarding the need for environmental education for grades 1-5 in Azerbaijan.

Exxon Corporation - 1996. Revisions and rewriting of the Exxon Energy Cube secondary energy curriculum materials.

#### **Professional Associations:**

Association of Supervision and Curriculum Development (ASCD)

Colorado Association of Science Teachers (CAST)  
President (2008-2009)  
Editor CAST Newsletter (2003-2006)

International Reading Association (IRA)

National Science Teachers Association (NSTA)  
Member Publication Review Panel for Middle School Journal - Science Scope