

*Curriculum Vita*

**LISA M. BLANK**

Associate Professor  
University of Montana  
School of Education  
Curriculum and Instruction

**E D U C A T I O N**

**Doctor of Philosophy: Curriculum and Instruction (1997)**

*Indiana University, Bloomington, Indiana*

- Major: Science Education    Minor: Environmental Science

**Master of Arts in Teaching: Science (1993)**

*Indiana University, Bloomington, Indiana*

**State of Indiana Teaching License, 5-12: Biology, Chemistry, Physical and General Science (1989)**

*Indiana University, Bloomington, Indiana*

**Bachelor of Science in Environmental Science and Public Policy (1987)**

*Indiana University, Bloomington, Indiana*

**P R O F E S S I O N A L   E X P E R I E N C E**

**Associate Professor of Education (1998 - present)**

*University of Montana, Missoula, Montana*

- Teach four sections of 404, Teaching Science in the Elementary School; two sections of 400/401, Seminar for Field Experience; one section of 544, Supervision and Teaching of Science; one section of 501, Curriculum Design, Implementation, and Evaluation; one section of 694, Doctoral Seminar; and, one section of 407, Ethics and Policy.
- Supervise elementary, middle, and high school student teachers.
- Coordinated graduate Curriculum & Instruction program, 2001-2003 including the development of an online master's program.

**Assistant Professor of Education (1997 - 1998)**

*SUNY-Cortland, Cortland, New York*

- Taught E374, Methods of Teaching Elementary School Science & E433, Methods of Teaching Junior High Science.
- Supervised elementary and middle school student teachers.
- Coordinated development of science and technology (STS) capstone course, part of a NSF supported project to restructure the math, science, and technology experiences for K-6 pre-service teachers.

**Associate Instructor (1995 - 1997)**

*Indiana University, Bloomington, Indiana*

- Developed and taught three sections of E328, Science Methods for Elementary Teachers, each year. Supervised students during concurrent three-hour field experience.

## Professional Experience Continued . . .

### Associate Instructor (1994 - 1995)

*Indiana University, Bloomington, Indiana*

- Taught three sections of Q200, Introduction to Scientific Inquiry, a content course for freshman elementary education majors covering basic science process skills and the nature of matter.

## RELATED EXPERIENCE

### Science Teacher (1989 - 1994)

*Eastern School District, Bloomfield, Indiana*

- Taught seventh grade Life Science, Biology I, Biology II, and Advanced Placement Biology. Assisted with 10-week summer science camp for elementary students. Team-taught in an inclusion program. Supervised and evaluated student teacher during fall semester, 1992. Regularly worked with practicum students. Helped establish the Eastern Outdoor Education Center and guidebook. Obtained state funding to establish an Internet connection for the junior high and high school. Coached girl's varsity track team.

### Environmental Scientist (1987 - 1988)

*Monroe County Health Department, Bloomington, Indiana*

- Managed county's participation in implementation of court-supervised PCB Consent Decree mandating clean up of hazardous materials. Monitored air and water quality during site remediation and acted as community information source. Presented regular status reports through radio, television, and newspaper.

## HONORS AND AWARDS

- Faculty Exchange Award, Massey University, Palmerston North, New Zealand, Spring 2004.
- Recipient of Most Inspirational Teacher Award, University of Montana, Spring 2001.
- Dissertation nominated for 1997 *Dissertation of the Year Award*. Indiana University, Bloomington, Indiana.
- University Fellowship from the Indiana University *Teacher as Decision Maker* program funded by the Lilly Endowment, Inc., Spring, 1988 to Spring, 1989.

## PUBLICATIONS

Blank, L., Crews, J. & Beed, D. (2005). Science goes spatial: Geotechnology in the elementary classroom. Eisenhower National Clearinghouse Focus, 13 (1): <http://www.enc.org/features/focus/archive/ideas4science/document.shtm?input=FOC-003699-index#IDAHSYZC>

Blank, L., Plautz, M., & Crews, J. (2004). Making an impact: Shattercones. Science Scope, 28 (3): 40-42.

Blank, L. (2004). Our family tree: An evolution story. Reports of the National Center for Science Education, 23 (5-6): 54.

Blank, L. & C. Brewer, O. Lee and A. Lukyx, S Barker and D. Slingsby, K. Hollweg, K. Comfort and R.W. Bybee (2003). Ecology education when no child is left behind. Frontiers in Ecology and the Environment, 7: 383-390.

**Publications Continued . . .**

- Blank, L. (2002). Get wild about filmmaking. CLEARING: Environmental Education Resources for Teachers, 111: 32-33.
- Brown F., & Blank, L. (2001). Bridging environmental education trans-atlantic: An American and Hungarian teacher inservice project. International Journal of Environmental Education and Information, 20 (2): 77-92.
- Wasta, S. & Blank, L. (2001). Making a huckleberry cobbler: An interdisciplinary journey. Social Studies and the Young Learner , 13 (3): 17-20.
- Blank, L. (2000). A metacognitive learning cycle: A better warranty for student understanding? Science Education (84): 486-506.
- Blank, L. (1999). The beast in you: activities and questions to explore evolution. Reports of the National Center for Science Education, 19 (5): 42-43.
- Blank, L. (Fall, 1999). Lions and goats revisited. The Researcher, 14 (1): 5-6.
- Blank, L. (Nov/Dec, 1998). Red light, blue light: Investigating animal signals. Science Scope, 22 (3): 14-18.
- Blank, L. & Andersen, H.O. (1997). Teaching evolution: Coming to a classroom near you? Reports of the National Center for Science Education, 17 (3): 10-13.
- Blank, L. (1990). Ecological succession. In C. Bennett, Comprehensive multicultural education (pp. 365-368). Boston, MA: Allyn and Bacon.

**G R A N T S**

- Lisa Blank, Jeff Crews, Niels Maumanee (2005). *Science goes spatial: Geotechnology in the classroom*. Toyota USA Foundation (\$300,000.00).
- Carol Brewer, Paul Alaback, Lisa Blank, David Oberbillig, Mike Plautz.(2003).*Ecologists, Educators, and Schools - Partners in GK-12*. National Science Foundation Program (\$1,956,123.00).
- Carol Brewer, Elaine Caton, Lisa Blank, Lisa Mills, and Chris Kuschel. (2000). *Montana Teachers Investigate Ecology: MT-TIE Program*. National Science Foundation Program (\$286,054.00).
- Lisa Blank. University Service Learning Grant (2000). (\$1,250.00).
- David Erickson, Lisa Blank, and Teri Wing. (April, 1999). *Implementing standards*. Dwight D. Eisenhower Education Program (\$74, 960.00).

## P R E S E N T A T I O N S

- Blank, L., Crews, J. (April 5, 2006). *Introducing the format for a statewide geospatial technology competition*. Montana Association of Geographic Information Professional, Helena, Montana.
- Blank, L. (March 5, 2005). *Exploring the wonder of and stories inside eggs*. Montana Association for the Education of Young Children, Missoula, Montana.
- Blank, L. (June 4, 2004). *Transformation and the Responsibilities of a Mayagwewinini*. Te Uru Māraurau Seminar Series. Palmerston North, New Zealand.
- Blank, L. (December 9, 2004). *Indigenous education in Aotearoa*. Phi Delta Kappa, Missoula, Montana.
- Blank, L., Caton, E., Brewer, C. & Mills, L. (January, 2003). *Teacher-scientist partnerships: collaboration for authentic student research experiences*. Hawaii International Conference on Education, Honolulu, Hawaii.
- Blank, L., Caton, E., Brewer, C. & Mills, L. (February, 2003). *Montana teachers investigate ecology: An inservice professional development program using teacher-scientist partnerships*. Association for the Education of Teachers of Science, St. Louis, Missouri.
- Blank, L., Caton, E., Brewer, C. & Mills, L. (April, 2003). *Professional development using teacher-scientist partnerships*. American Educational Research Association, Chicago, Illinois.
- Blank, L. (October 2001). *Get wild about film: A wildlife filmmaking camp for kids*. School Science & Mathematics Association, Albuquerque, New Mexico.
- Blank, L., & Brown, F. (April, 2000) *Bridging environmental education transatlantic: An American and Hungarian teacher inservice project*. National Association for Research in Science Teaching, New Orleans, Louisiana.
- Brown, F., & Blank, L. (January, 2000). *Using international collaborations to enrich and reform the science and environmental education classroom*. Association for the Education of Teachers in Science, Akron, Ohio.
- Brown, F., & Blank, L. (March, 1999). *The effect of an international teacher training program on teachers' perceptions of environmental and teaching practices*. National Association for Research in Science Teaching, Boston, Massachusetts.
- Blank, L., Toma, H, & Tilton, B. (March, 1999). *Wildlife films: more than just movies . . . take the next step to enrich education*. Paper presentation: Montana Environmental Education Conference, Missoula, Montana.
- Brown, F. & Blank, L. (March, 1999). *The effects of an international teacher training program on teacher's perceptions of environmental and teaching practices*. Paper presentation: National Association for Research in Science Teaching, Boston, Massachusetts.
- Blank, L. & Brown, F. (October, 1998). *Information to consider in developing the MCPS K-12 science curriculum*. Workshop presentation: Missoula County Public Schools, Missoula, Montana.
- Blank, L. (October, 1998). *Invasive species out of control: Using spreadsheets to monitor knapweed*. Workshop

Presentation: Train and Share – A Technology Teacher Inservice, Bonner's Ferry, Idaho.

### **Presentations Continued . . .**

Brown, F. & Blank, L. (September, 1998). *Training teachers beyond borders*. Paper presentation: North American Association of Environmental Education, Atlanta, Georgia.

Blank, L. (1998, April). *Metacognition and the facilitation of conceptual and status change in students' concepts of ecology*. Paper presentation: National Association for Research in Science Teaching, San Diego, California.

Blank, L. (1998, March). *Jumpstart your elementary science program*. Workshop Presentation: Teachers in Training Conference, SUNY-Cortland, Cortland, New York.

Blank, L. (1998, February). *The amazing world of polarized sunglasses*. Workshop Presentation: Discovering the World of Science, McGraw Elementary School, McGraw, New York.

Blank, L. (1997, October). *The fruitfulness of a metacognitive learning cycle*. Paper presentation: The Association for the Education of Teachers in Science--Northeast Regional Conference, Syracuse, New York.

Blank, L., Drummond, F., & Plautz, M. (1994, February). *Water, water everywhere*. Workshop Presentation: Hoosier Association of Science Teachers Convention, Indianapolis, Indiana.

Blank, L. (1990, February). *Polymer chemistry: A "bounce" for the science classroom*. In-service workshop for *Teacher as Decision Maker* fellows, Bloomington, Indiana.

### **PROFESSIONAL AFFILIATIONS**

- Phi Delta Kappa
- Pi Lambda Theta
- Pi Alpha Alpha
- Kappa Delta Pi
- National Association for Research in Science Teaching
- National Science Teachers Association
- The Association for the Education of Teachers in Science