

**Lori Ann A. Reinsvold, Ph.D.**  
**Associate Director**  
 MAST Institute, University of Northern Colorado

**Education**

University of Northern Colorado	Educational Psychology	2011	PhD
	Minor: Applied Statistics & Research Methods		
Dissertation Title: <i>Power dynamics and questioning strategies in elementary science lessons</i>			
Purdue University	Education, Biology & Chemistry	1986	MS
Purdue University	Secondary Science Teacher Certification	1986	
Purdue University	Ecology, Evolution, & Population Biology	1982	BS

**Experiences**

Jan., 2016–July, 2017	MAST Institute	Acting Director
Spring 2015	MAST Institute	Interim Director
2013-Present	MAST Institute	Associate Director
Aug., 2017–Present	UNC's HHMI STEM Inclusive Excellence Project	Co-PI
2017–Present	Colorado Center for Rural Education	Co-Director
2015-Present	Colorado Scholarship Opportunity Initiative – LEAP	Co-PI
2014-Spring, 2016	Northern Colorado STEM Collaboration	Director
2014-June 30, 2018	Eagle School District MSP	Director
2013-2014	Northern Colorado Math Collaboration	Director
2013-2014	Colorado STEM Teacher Preparation Symposium`	Director
2011-Present	Math and Science Teaching for English Learners	Director
2011-2014	Adams 14 Math and Science Partnership	Director
2010-Present	Noyce Scholarship and Internship Programs	Coordinator
2009-2011	NASA Research for Teachers Institute	Evaluator
2008-2010	Teacher Quality for Northeast Colorado School Districts	Director
2007-2013	MA in Natural Sciences with K12 Teaching Emphasis	

Cochran, K, Reinsvold, L., & Hess, C. (2016). Giving students the power to engage with learning. *Research in Science Education*. DOI 10.1007/s11165-016-9555-5.

Harding-DeKam, J., Reinsvold, L., Olmos, A., Song, L. Franklin, E., Enriquez, M., & Higgins, T. (Spring/Summer 2014). Mathematics and science teaching for English learners (MAST-EL) partnership: A relationship among elementary school teachers, pre-service teachers, and college faculty. *Teacher Education & Practice*, 27(2/3), 267-279.

Reinsvold, L. January, 2014. Supporting STEM Education. *January 2014 Educator Preparation Project Newsletter*. Colorado Department of Higher Education. (Invited)

Reinsvold, L. August, 2013. Leadership and professional development projects making a difference: Math and science teaching for English learners (MAST-EL). *Navigation Newsletter*. National Science Education Leadership Association.

Reinsvold, L. A., & K. Cochran. (2011). Power dynamics and questioning in elementary science classrooms. *Journal of Science Teacher Education*, 1-24. DOI: 10.1007/s10972-011-9235-2.

Gerretson, H. & L. Reinsvold. (2007). Science and Mathematics Teachers' Professional Use of Computer Based Technologies. *The Researcher*, 21(1), 22-31.

### **Professional Service**

Weld County School District 6 Science Curriculum Selection Team, Fall 2018 – 2020

## **Reports**

Englert, K., Reinsvold, L., Kersey, E, & K. Stoddard. (Fall 2018). Inclusive Excellence: Interim Evaluation Report. Submitted to UNC's HHMI Inclusive Excellence Director, Susan Keenan, on December 31, 2018.

Englert, K., Reinsvold, L., Kersey, E, & K. Stoddard. (Spring 2019). Inclusive Excellence: Final Evaluation Report. Submitted to UNC's HHMI Inclusive Excellence Director, Susan Keenan, on June 30, 2019.

## **University Service Publications**



The mathematics staff at UNC provide content, pedagogical workshops for K-8 mathematics teachers in order to develop mathematics lessons.

December, 2013. \$5,000. Colorado STEM Teacher Preparation Symposium, December 11, 2013. Gill Foundation's Gay & Lesbian Fund for Colorado. (PI)

This grant provided a one day, state-wide meeting for educators in universities & colleges, school districts, and non-profits involved in STEM teacher preparation.

November, 2013 – December, 2014. \$161,228. Northern Co\$4.6 (s)-2.3 (, a7 (um)17.2 (, D)4.6 (svu10.8 (r6 (da)-1.7 (g36u t)-2.6 .

March, 2007. \$55,800. e-Mentoring in Colorado – e-Mentoring for Science Student Success, funded by National Science Teachers Association. (PI)

Coordinated an on-line mentoring program in Colorado for first- through third-year secondary science teachers.

October, 2006. \$10,000. Elementary School Cooperative on Math, Science, and Literacy: Greeley/Evans Area Teacher Training, funded by Intel Corporation. (PI)

Developed and provided science and mathematics professional development to elementary teachers.

March, 2006. \$51,874. e-Mentoring in Colorado - e-Mentoring for Science Student Success, University of California - Santa Cruz, Mathematics and Science Partnership, funded by National Science Foundation. (PI)

Coordinated an on line mentoring program in Colorado for first- through third-year secondary science teachers.

September, 2004. \$68,708. Environmental Education and Outreach for Native Americans at the Shortgrass Steppe, funded by NSF-LTER Supplement. (CO-I)

Developed and provided challenge education and field-research experiences in the use of technology for teams of students and educators from three Native American Communities, which then returned to their schools with technology tools and skills to implement those strategies and processes into their science courses. Goal: to encourage and motivate Native American students to continue to take mathematics and science courses and consider careers in science.

June, 2003, \$37,775. Technology Support for Science Education, funded by the University of Northern Colorado's Student Technology Fund. (PI)

Developed and provided technology tools for UNC science and science-education courses, integrating technology in science teaching and learning.

September 2002 – August 2004. \$8,468. COMSTEC, funded by Colorado Partnership for Educational Renewal. (PI)

Provided Web services to the COMSTEC program.

September 2002. \$41,000. Science Education Technology, funded by IBM. (PI)

Provided laptops for science and science education courses at UNC.

October 2001 – June 2002. \$32,810. Tech Tools for Administrators, funded by Fund for Colorado's Future. (PI)

Developed and provided face-to-face technology skill workshops and on-line technology integration courses for Colorado principals and superintendents.

1996 – 2000. \$5,000,000. Widening Our World (WOW), funded by U S WEST Foundation (QWEST). (PI)

Developed and provided technology classes to educators, business people, and non-profit organizations on how to use the Internet. Classes delivered in Colorado and other states representing U S WEST service area.

### **Grant Submitted and Pending**

Gomez, K, (PI), Fisher, G. (Co-PI), Vivanco, J. (Co-PI), Reinhardt, B. A. (PI), Hixson, J. (PI), Hollibaugh, J. T. (PI), and Tett, P. (PI). 2004. \$100,000. WOTC 410.8 (WOTC 410 P T

Wacker, R. (PI), Baber, A. (Co-PI), Novak, J. (Co-PI), Keenan, S. (Co-PI), & **Reinsvold, L.A. (Co-PI)**. (2016). NSF INCLUDES STEM Liaison Center. Preliminary proposal to National Science Foundation.

**Reinsvold, L.A. (PI)**, Keenan, S. (Co-PI), Novak, J. (Co-PI), Wacker, R. (Co-PI), & Baber, A. (Co-PI). (2016). NSF INCLUDES STEM Liaison Center. Preliminary proposal to National Science Foundation.

Keenan, S., Reinsvold, L.A, Novak, J., & Bergstrom, C. *Improving Classroom Culture as a Pathway to STEM Inclusive Excellence*. University of Northern Colorado Science Education Symposium, Greeley, CO.



Reinsvold, L.A., Song, Y., Higgins, T., Abbood, A., & L. Dye. *Science teaching for English learners: An elementary school and university partnership*. National Science Teachers Association Regional Conference, Denver, Co. December 12, 2013.

Reinsvold, R. & Reinsvold, L.A., *Preparing the next generation of science teachers*. National Science Teachers Association Regional Conference, Denver, CO. December 13, 2013.

Reinsvold, L.A. & Cochran, K. Classroom power and questioning: A case study of an effective teacher. Paper presented to the American Educational Research Association, San Francisco, CA. April 29, 2013.

Reinsvold, R., Reinsvold, L.A., Craviotto, C., Middleton, V., & J. Sexton, J.. *The Noyce scholarship program at the University of Northern Colorado*, Poster presented at the NSF 2013 Annual Noyce Meeting, Washington, DC, May 30, 2013.

Gardiner, C.S., Adams, R.A., DeKrey, G., Reinsvold, R., Reinsvold, L.A. & Sexton, J.. *Recruitment and retention of biology majors at the University of Northern Colorado*, Poster presented at the NSF 2013 Annual STEP Meeting, Washington, DC, March 14, 2013.

Hatheway, B. & Reinsvold, L.A.. *A new model for climate science research experiences for teachers*. Poster presented at the American Geophysical Union Meeting, San Francisco, CA, December 4<sup>th</sup>, 2012.

Reinsvold, R., Reinsvold, L.A., Adams, W., Galovich, C. & Sexton, J.. *Preparing the next generation of science teachers*. Presentation at the Colorado Science Conference, Denver, CO, November 16<sup>th</sup>, 2012.

Reinsvold, L.A. *Explores Graduate Science Education Opportunities at the University of Northern Colorado*, Colorado Science Conference, Denver, CO, November 16<sup>th</sup>, 2012.

Reinsvold, R., Reinsvold, L.A., Craviotto, C., Middleton, V. & Sexton, J.. *The Noyce scholarship program at the University of Northern Colorado*, Poster presented at the NSF 2012 Annual Noyce Meeting, Washington, DC, May 25, 2012.

Reinsvold, L.A., Franklin, E., DiMarco, S. & Dye, L.. *Strategies for teaching English learners math and science*. Presentation at the 5<sup>th</sup> Annual National Summit: Great Teachers for Our City Schools, Denver, April 12, 2012.

Gardiner, C.S., Adams, R.A., DeKrey, G., Reinsvold, R., Reinsvold, L.A. & Sexton, J.. *Recruitment and retention of biology majors at the University of Northern Colorado*, Poster presented at the NSF 2012 Annual STEP Meeting, Washington, DC, March 15, 2012.

Farr, B., A., Reinsvold, L.A., Harty, L. & Fraser, J.. *Climate change education projects: Advancing the dialogue through effective use of evaluation strategies*. Paper presented to the American Evaluation Association, Anaheim, CA, November 4, 2011.

Reinsvold, R., Reinsvold, L.A., Medford, J., Craviotto, C., Middleton, V. & Sexton, J.. *The Noyce scholarship program at the University of Northern Colorado*, Poster presented at the NSF 2012 Annual Noyce Meeting, Washington, DC, May 25, 2012.



## Advisees

2018-Present Dr. Elizabeth Kersey, Postdoctoral Research Associate, MAST Institute, UNC

2017-2019 Dr. Andrew Bentley, Postdoctoral Research Associate, MAST Institute, UNC

2016-2017 Sara Monson, Masters Student, MA in Science Education, UNC

2016 Gayle Cooper Masters Student, MA in Science Education, UNC

2014-2016 Dr. Lacy Cleveland, Postdoctoral Research Associate, MAST Institute, UNC

2014-2016 Laura Funk, Masters Student, MA in Science Education, UNC

2013-2014 Jan Bamesberger, Masters Student, MA in Natural Sciences with K-12 Teaching Emphasis, UNC

2013-2014 Kristine Bibbey, Masters Student, Graduate (0.915 M(-11.217)-8267, R(0.6)11.7(S)631(4)Ha7(t)0.81(t)-6 (du)9a-1(6)X

## **Collaborators**

Harvey Rude, Valerie Sherman, Kathy Cochran, Elizabeth Kersey, Susan Keenan, Cassie Bergstrom, Elizabeth Franklin, Robert Reinsvold, Jennifer Parrish, Jodie Novak, Henry Heikkinen, Kevin Pugh, Jenni Harding, Teresa Higgins, Julie Sexton, Katrina Rodriguez, Fleurette King, Tobias Guzman, Stephanie Torrez, Karen Raymond, Talia Carroll, Patricia Escobar (UNC); Nancy Kellogg, Ray Tschillard (Science Education Consultants); Diana Riley, Stacie Datteri (Greeley-Evans School District Six), Joanna Bruno (Colorado Department of Education), Brittany Lane (Colorado Department of Higher Education); Mark Rangel (Centennial BOCES).