

Dr. Wendy P. Ruchti



Idaho State
University

Assistant Professor
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Education

Ph D, University of Idaho, 2005.

Curriculum and Instruction

Supporting Areas of Emphasis: Science and STEM Education

Dissertation Title: The Use of Models and Discourse in the Development and Assessment of Proportional Reasoning

M.Ed., University of Idaho, 2001.

Major: Science Education

Supporting Areas of Emphasis: Online Education

Thesis Title: Comparison and Evaluation of Online and Classroom Instruction in Elementary Science Teaching Methods Courses

BS, Brigham Young University, 1993.

Major: Zoology Composite Teaching/Zoology

Professional Positions

Assistant Professor, Teaching and Educational Studies, Idaho State University	Aug 2017- present
School Coach and Professional Services Provider, EL Education (formerly Expeditionary Learning)	
National Elementary Math Institute Facilitator	Jan 2015-Aug 2017
National Middle School Institute Facilitator	
Assistant Professor, Educational Foundations, Idaho State University	Aug 2011 – Jan 2015
Assistant Department Chair, Educational Foundations, Idaho State University	Aug 2013 – Jan 2015
Accreditation Coordinator, College of Education, Idaho State University	Jun 2013 – Jan 2015
Associate Lecturer, Educational Foundations, Idaho State University	Aug 2009 – Aug 2011
Adjunct Instructor, Educational Foundations, Idaho State University	Jun 2007 - Aug 2008
Teacher and Curriculum Coordinator, 7th and 8th Grade Mathematics and Science, Pocatello Community Charter School (Expeditionary Learning School)	Aug 2001-May 2008
National Math Institute Facilitator, Expeditionary Learning	2005-2008
Learning Specialist, Student Support Services, University of Idaho	August 1998 - May 1999
Science Education Specialist/Undergraduate Instructor, University of Idaho, College of Education.	May 1999- June 2001
Teacher, Upward Bound, Middle School Physical Science, University of Idaho	Summers 1999 – 2000
Teacher, 7th and 8th grade Life and Physical Science, DODDS Middle School, Wuerzburg, Germany.	1994-1996

Licensures and Certifications

Idaho Secondary Teaching Certificate, Biology, Physical Science, Natural Science endorsements, Idaho State Department of Education. (May 1993 – 2012)

Trainer, Global Learning and Observations to Benefit the Environment (GLOBE). (2004 - 2008).

Idaho Elementary Teaching Certificate, Idaho State Department of Education. (May 2005 - May 2008).

Professional Memberships

Association of Teacher Educators (ATE). (2011 - Present).
Association of Science Teacher Education (ASTE). (2008 - Present).
National Association of Research in Science Teaching (NARST). (2008 - Present).
National Science Teachers Association (NSTA). (2008 - Present).
Idaho Science Teachers Association (ISTA). (2001 -Present).
National Council Teachers of Mathematics (2001-2015)
Governance committee, Co-Vice Chair, i-STEM. (2012 - 2013).
National Science Education Leadership Association (NSELA). (2011 - 2013).
Association for Middle Level Education (AMLE). (2006 - 2013).
Northern Rocky Mountain Educational Research Association (NRMERA). (2005 - 2008).

Development Activities Attended

- Quality Matters, Professional Development to enhance online course structure and teaching, Idaho State University (2017-present).
- Charlotte Danielson Framework for Teaching Teachscape Training, Idaho State Department of Education, Pocatello, ID. (2013).
- Grant Writer's Seminar and Workshop, Idaho State University Office for Research & Economic Development, Pocatello, ID. (2013).
- National Council for Accreditation of Teacher Education (NCATE)/Council for Accreditation of Educator Preparation (CAEP) Fall 2013 Conference," Washington, DC., USA. (2013).
- Next Generation Science Standards Frameworks, NSTA online workshop, November 2011
- Curriculum writer workshops (ENGageNY), Expeditionary Learning, New York, NY (compensated), PD before writing CCSS Curriculum Modules. May 2013.

TEACHING

University Level Teaching Experience

Idaho State University Courses Taught

EDUC 6620: Motivation for Learning
EDUC 3301: Inquiring, Thinking and Knowing
EDUC 2201: Development and Individual Differences
EDUC 3302: Motivation and Management
EDUC 3301: Instructional Planning, Delivery, and Assessment
EDUC 3331: Elementary Science Methods
EDUC 4485: Independent Problems in Education
EDUC 5597: Prof Ed Development Topics

University of Idaho Courses Taught

INTR 1103: Integrated Science for Elementary Education Majors
EDTE 5524: Models of Teaching
EDTE 4444: Elementary Science Teaching Methods

Directed University Level Student Learning

Undergraduate Directed Individual/Independent Study, ISU Honors Project, "Educational Code of Ethics in the State of Idaho," EDUC 3301, Fall 2017
Advised: Shelby Fisk
Undergraduate Honors Thesis, Educational Foundations. (January 2013 - December 2013).
Advised: Carly Maloney

Undergraduate Honors Thesis, Educational Foundations. (May 2012).

Advised: Ashley Olsen

CPI Intern Supervisor, Shayla Jackson, Summer 2012

CPI Intern Supervisor, Holly Jeppeson, September 2012-May 2013

Awards and Honors

Excellence in Education Award Nominee (2018), Latter-day Saint Student Association (LDSSA).

Excellence in Education Award Nominee (2014) Latter-day Saint Student Association (LDSSA)

Excellence in Education Award Nominee (2012) Latter-day Saint Student Association (LDSSA)

ISU Distinguished Teacher Nominee (2012), Idaho State University

ISU Distinguished Teacher Nominee (2009), Idaho State University

RESEARCH

Published Intellectual Contributions

Refereed Journal Articles

Ruchti, W.P., Bennett, C., Dunstan, M. (2018). Understanding quality work in mathematics: Supporting teachers in leading professional development. *Journal of Interdisciplinary Teacher Leadership*, 2(1), 19-28.

Bennett, C. A., **Ruchti, W. P.** (2014). Bridging STEM with mathematical practices. *Journal of STEM Teacher Education* 49(1), 17-27.

Ruchti, W. P., Jenkins, S. J., Agumba, J. (2013). Critical supports for secondary educators in Common Core State Standards implementation. *The Clearing House: A Journal of Educational Strategies, Issues and Ideas*, 86(6).

Ruchti, W.P., Bennett, C. A. (2013). Picture this: Developing reasoning through pictorial representations. *Mathematics Teaching in the Middle School*, 19(1), 30-36.

Bennett, C. A., **Ruchti, W. P.** (2013). Teachers' beliefs on the use of questioning to facilitate mathematical discourse. *The Chronicle of Middle Level Education Research*, 13(2), 17-24.

Sunal, C., Odell, M.R., Sunal, D., Mays, A., **Ruchti, W. P.** (2004). Team teaching in an online environment: Effects on instructors and students. *Northwest Passage, Journal of Educational Practices*, 3, 39-48.

Ruchti, W. P. (2002). National Center for Online Learning Research (NCOLR) annotated bibliography. *Journal of Interactive Online Research*. www.ncolr.org/pubs/VCOLR_Annotated_Bibliograph%283-2002%29.pdf

Journal Articles

Ruchti, W. P. (2002). Building Bridges to Success. Stories of Service: Service in the Northwest, Award-winning papers from the fifth annual NW National Service Symposium. *Northwest Regional Educational Laboratory*.

Journal Articles in progress

Bennett, C., Ruchti, W. (2019). Building intentional STEM connections. *Science Activities*. Manuscript submitted for publication. (under review)

Other

Bennett, C., Ruchti, W., Zimmerly, C. (2011) College of Education STEM activities. Legislative Informational Paper.

Intellectual Contributions in Submission

Maloney, C., Ruchti, W. P. (advisor) (2014) *Teachers' Context Beliefs about Implementing the Common Core State Standards*. Undergraduate Research Journal for the Human Sciences. Retrieved at <http://www.kon.org/urc/v13/maloney.html>

Presentations

International and National Submitted, Accepted, Presented:

- Ruchti, W. (2019, May). *Creating the need to read*. Paper presented at the 2019 Global Conference on Education and Research Conference (GLOCER), Sarasota, FL.
- Ruchti, W. & Kaempffe, L. (2017, July). *Fostering a positive mathematical mindset in your classroom*. Invited presentation at the 2017 Character Lab Educator Summit, Philadelphia, PA.
- Berger, R., Ruchti, W., Villen, A., Woodfin, L. (2016, October). *Learning that lasts: Challenging, engaging and empowering students with deeper instruction*. Full Day Presentation at the 2016 National EL Education Conference (Pre-Conference Day), Detroit, MI.
- Ruchti, W., Kaempffe, L., and Moore, D. (2016, October). *Fostering a positive mathematical mindset in your classroom*. Presentation at the 2016 National EL Education Conference, Detroit, MI.
- Ruchti, W. (2016, October). *Implementing number talk structures in the K-8 classroom*. Presentation at the 2016 National EL Education Conference, Detroit, MI.
- Ruchti, W., LeCavalier, J. (2015, October). *A day in the life of deeper learning in science-Water quality issues on the California-Mexico border*. Full Day Presentation at the 2015 National EL Education Conference (Pre-Conference Day), San Diego, CA.
- Ruchti, W. (2015, January) *Learning to notice students' understanding through examination of student artifacts*. Presentation at the 2015 Association of Science Teacher Educators (ASTE) Conference, Portland, OR.
- Ruchti, W.P. & Mendez, F. (2014, March). *Blended learning: Integrating online and on-site science teacher professional development*. Presentation at the Association Supervision and Curriculum Development (ASCD), Los Angeles, CA.
- Ruchti, W. P. (2014, December). *Learning to notice student understanding and evidence of learning*. Poster presented at the National Science Teachers Association (NSTA) Conference, Long Beach, CA. (accepted)
- Ruchti, W. P., (2013, December). *Use of guided, evidence-and standards-based reflection in elementary science methods*. Paper presented at the National Science Teachers Association (NSTA) National Conference, Denver, CO.
- Ruchti, W. P., (April 2013). *Use of guided, evidence-and standards-based reflection in elementary science methods*. Presentation at the National Association for Research in Science Teaching International (NARST) Annual Conference, San Juan, PR.
- Ruchti, W. P. & Olsen, A. (January 2012). *First steps toward integrating the Common Core English Language Arts standards into science teaching*. Presentation at the Association for Science Teacher Education (ASTE) 2012 International Conference, Clearwater Beach, FL.
- Ruchti, W. P., (March 2011). *Blended elementary science methods course*. Poster presented at the Sloan-C Blended Learning Conference 2011, Oak Hills, IL.

International and National Submitted, Accepted, not presented:

- Ruchti, W., Wood, E., and Zikrach, D. (2015, March). *The intentional integration of a teacher evaluation framework into teacher education*. Proposal accepted for presentation as an Interactive Dialogue session at the 2015 American Association of Colleges for Teacher Education (AACTE) National Conference, Atlanta, GA. (accepted)
- Ruchti, W. (2015, March). *Developing preservice teachers' ability to notice student understanding*. Proposal accepted for Individual Paper Presentation at the 2015 American Association of Colleges for Teacher Education (AACTE) National Conference, Atlanta, GA. (accepted)
- Linder, C., Ruchti, W., Hedeon, D., Zikratch, D. (2015, March). *Evaluating and supporting teachers across the professional continuum*. Proposal accepted for Interactive Dialogue presentation at the 2015 American Association of Colleges for Teacher Education (AACTE) National Conference, Atlanta, GA.
- Ruchti, W. (2015, March) *Learning to notice student understanding in elementary physical science*. Proposal accepted for presentation at the 2015 National Association for Research in Science Teaching (NARST) International Conference, Chicago, IL.
- Mendez, F., Ruchti, W., Blunck, S. Sparrow, K. (2015, February) *Using the NSTA Learning Center as e-Textbook for science pre-service teachers*. Proposal accepted for presentation at the 2015 Association of Science Teacher Educators (ASTE) Conference, Portland, OR.
- Ruchti, W.P. (2015, March). *Eliciting and examining student work to increase students' understanding*. Proposal accepted for presentation at the 2015 National Science Teachers Association (NSTA) National Conference, Chicago, IL.

- Mohr, C. and Ruchti, W. P. (March, 2015) *Using discrepant events in the classroom*. Proposal accepted for presentation at the 2015 National Science Teachers Association (NSTA) National Conference, Chicago, IL.
- Ruchti, W.P. (2015, March). *Improving teachers' ability to anticipation, notice and respond to students' understanding of scientific ideas through the use of video*. Proposal accepted for presentation at the 2015 National Science Teachers Association (NSTA) National Conference, Chicago, IL.
- Ruchti, W.P. and Jackson, S. (2015, March). *Running your own engineering design competition—What does it take?* Proposal accepted for presentation at the 2015 National Science Teachers Association (NSTA) National Conference, Chicago, IL.
- Ruchti, W.P. and Jackson, S. (2015, March). *An engineering design challenge aligned to the NGSS and CCSS*. Proposal accepted for presentation at the 2015 National Science Teachers Association (NSTA) National Conference, Chicago, IL.
- Ruchti, W. (October 2012). Use of guided group lesson study in elementary science methods to promote reflection. Northern Rocky Mountain Educational Research Association Conference, Park City, UT. (proposal accepted, not presented).
- Ruchti, W. (2011, June). *Using the iPod Touch for Teacher Preparation and Professional Development*. Poster proposal accepted for presentation at the ISTE 2011 conference, Philadelphia, PA.

Local and State Presentations

- Ruchti, W. (2017, October). Creating units and lessons using the NEW Idaho State Science Standards. Presentation at the 2017 Idaho Science Teachers Association Annual Conference, Pocatello, ID.
- Ruchti, W. (2017, October). Incorporating children's literature into science units. Presentation at the 2017 Idaho Science Teachers Association Annual Conference, Pocatello, ID.
- Ruchti, W. P., (2014, January). *Overview of the Common Core State Standards*. Invited presentation at the Idaho State University Student Teaching Seminar, Pocatello, ID.
- Ruchti, W. P., (2013, November). *Class discussions as a formative assessment tool*. Presentation at the Idaho State University College of Education Teaching Symposium, Pocatello, ID.
- Ruchti, W. P., Ted, S., (2013, October). *Using the Craters of the Moon as an educational resource*. Presentation at the Idaho Science Teachers Association (ISTA)/ Idaho Council of Teachers of Mathematics (ICTM) Annual Conference, Pocatello, ID.
- Ruchti, W. P., (2013, October). *Flooding your science and mathematics classroom with vocabulary*. Presentation at the Idaho Science Teachers Association (ISTA)/ Idaho Council of Teachers of Mathematics (ICTM) Annual Conference, Pocatello, ID.
- Ruchti, W. P., (2013, October). *Using text-dependent questions in the science classroom*. Presentation at the Idaho Science Teachers Association (ISTA)/ Idaho Council of Teachers of Mathematics (ICTM) Annual Conference, Pocatello, ID.
- Ruchti, W. P., *Common Core English Language Arts overview*. Invited presentation at the Idaho State University Student Teaching Seminar, Pocatello, ID.
- Ruchti, W. P., (September 2013). *Overview of the Common Core State Standards*. Invited presentation for the EDUC 3309: Planning, Delivery and Assessment, Pocatello, ID.
- Ruchti, W. P., (September 2013). *Overview of the Common Core State Standards*. Invited presentation at the Political Soup Luncheon, Bannock County Democrats, Pocatello, ID.
- Ruchti, W. P., (February 2013). *The future of K-12 engineering*. Invited presentation at the Annual Conference of Eastern Idaho Engineering Council, Idaho Falls, ID.
- Ruchti, W. P., (October 2012). *Introduction to the Next Generation Science Standards (NGSS) first public draft*. Presentation at the Idaho Science Teachers Association (ISTA)/ Idaho Council of Teachers of Mathematics (ICTM) Annual Conference, Boise, Idaho.
- Ruchti, W. P., (October 2012). *Making the transition to scientific and engineering practices: Visiting the potential of the Next Generation Science Standards*. Presentation at the Idaho Science Teachers Association (ISTA)/ Idaho Council of Teachers of Mathematics (ICTM) Annual Conference, Boise, Idaho.
- Ruchti, W. P. (October, 2012). *Using the reader's workshop in the science classroom*. Presentation at the Idaho Science Teachers Association (ISTA)/ Idaho Council of Teachers of Mathematics (ICTM) Annual Conference, Boise, Idaho.
- Ruchti, W. (2011, October). *Using the NSTA Learning Center*. Paper presented at the Annual Idaho Science Teachers Association (ISTA) Conference 2011, Idaho Falls, Idaho.
- Ruchti, W. P., (October 2010). *Strategies for enhancing classroom discussion*. Presentation at the 2010 Idaho Fall Literacy Conference, Transform Your World through Literacy, Idaho Reading Association, Pocatello, ID.

- Ruchti, W. P., Lyons, H. (June 2010). *Assessment embedded into Total Instructional Alignment (TIA)*. Presentation at the 2010 Idaho Total Instructional Alignment (TIA) Institute, Idaho State University Intermountain Center for Educational Effectiveness, Pocatello, ID.
- Odell, M. R., Ruchti, W. P., Abbott, J. (2002). *e-Learning: Review of latest findings*. Presentation at the Western Interstate Commission for Higher Education (WICHE) Conference.
- Ruchti, W. P., Odell, M. R., (October 2002). *Using web-based modules to teach science process skills to preservice teachers*. Presentation at the National Science Teachers Association (NSTA) Conference, Portland, OR.
- Ruchti, W. P., Odell, M. R., *Comparison of online and classroom instruction in an elementary science methods course*. Presentation at the Northern Rocky Mountain Educational Research Association Conference (NRMERA), Jackson Hole, WY. (2001).

Contracts, Grants and Sponsored Research

Grants funded

- Shropshire, S. L. (PI), & Ruchti, W. P. "Idaho Mathematics and Science Partnership Grant: AAPT/PTRA Professional Development for South Western Idaho Elementary Teachers" Sponsored by Idaho State Department of Education, External to Idaho State University, \$391,318.00. (July 2014 - July 2017).
- Ruchti, W. P. (PI), Bennett, C. A. (Co-PI), "Idaho Tech Fellowship," Sponsored by Idaho Space Grant, External to Idaho State University, \$30,994.00. (August 15, 2013 - May 15, 2015).
- Ruchti, W.P. (PI), Jackson, S. (Co-PI), "Idaho Tech Competition," Sponsored by Idaho Space Grant, External to Idaho State University, \$7611.00 (September, 2014-September 2015).
- Shropshire, S. L. (PI), & Ruchti, W. P. (Co-PI), "Idaho Mathematics and Science Partnership Grant: AAPT/PTRA for Elementary Teachers' Professional Development for Eastern Idaho Elementary Teachers," Sponsored by Idaho State Department of Education, External to Idaho State University, \$342,570.00. (July 2011 - July 2014).
- Zimmerly, C. (PI), Ruchti, W. (CO-PI), and Bennett, C. (2012) SAHE Common Core Implementation. Spring/Summer 2012. Idaho State Department of Education. (\$285,000).
- Ruchti, W. P. (PI), "Development of a Curriculum-Based K-12 Education Plan for Craters of the Moon National Monument and Preserve," Sponsored by National Park Service, External to Idaho State University, \$16,643.78. (May 2012 - May 2014).
- Ruchti, W. P. (PI), "Teacher Incentive Grant-WWII Veterans Oral History Project," Sponsored by Idaho Humanities Council, \$1,000.00. (September 2003 - May 2004).

Internal Sponsored Research funded

- Ruchti, W.P. (PI). "Improving Preservice Teacher Noticing through Systematic Examination of Student Work." Sponsored by Idaho State University Office for Research & Economic Development (ORED), \$9579.00 (August 2014-August 2015).
- Ruchti, W. P. (Co-PI), Bennett, C. A. (Co-PI), "Advancing STEM Education; ISU COE Dean's Grant. Investigating Early Adolescent's Self-Efficacy in Mathematics and Science: Advancing Science, Technology, Engineering and Mathematics (STEM) Education," Sponsored by Idaho State University College of Education, Idaho State University, \$17,000.00. (August 2012 - May 2013).

Grants unfunded

- Mousavinezhad, S.H. (PI), Ruchti, W.P.(Co-PI), Xu, X.(Co-PI), Xu, C.(Co-PI), Tatar, E.(Co-PI). "Western Cohort of Scholars in STEM (WCSS)", Sponsored by National Science Foundation, External to Idaho State University, \$997,616.00, Date Submitted: March 28, 2018, Funding dates: October 1, 2018 – September 30, 2023.
- Ruchti, W.P (PI). "CAREER: Improving Preservice Teacher Noticing through Examination of Student Artifacts", \$714,492. (January 2015-January 2020). Submitted July 21, 2014.
- Ruchti, W.P. (PI), Shropshire, Steve (Co-I). "Noticing Students' Thinking in Physical Science." Small Research Grants in the Area of Inquiry, Spencer Foundation, 49,800 (November 2014-October 2017).

- Submitted June 24, 2014.
- Ruchti, W. P. (Principal), Bennett, C. (Co-PI), Amador, J. (Co-PI) "Idaho Mathematics and Science Partnership Grant: " Sponsored by Idaho State Department of Education, External to Idaho State University, \$342,566.00. (July 2014-July 2017) Submitted January 24, 2014
- Ruchti, W. P. (Principal), Bennett, C. A. (Co-Principal), "NASA Cooperative Agreement Notice (CAN) Innovative Pilot in STEM Education. Preservice Engineering and Mathematics Integration Education Reform (PREMIERe) Cohort," Sponsored by NASA, External to Idaho State University, \$499,883.00. (December 2012).
- Ruchti, W. P. (Co-Principal), Bennett, C. A. (Principal), "NSF DRK-12. Student and Educator Efficacy Development in Science, Technology, Engineering, and Mathematics (SEEDs of STEM)," Sponsored by National Science Foundation, External to Idaho State University, \$449,992.00. (October 2012).
- Ruchti, W. P. (Co-Principal), Bennett, C. A. (Principal), "Investigating Early Adolescent's Self-efficacy in Mathematics and Science: Advancing Science, Technology, Engineering, and Mathematics (STEM) Education," Sponsored by Idaho State University-University Research Council, Idaho State University, \$24,677.00. (January 2012).
- Ruchti, W. P. (Co-Principal), Bennett, C. A. (Principal), "Investigating Early Adolescent's Self-efficacy in Mathematics and Science: Advancing Science, Technology, Engineering, and Mathematics (STEM) Education," Sponsored by Idaho State University-University Research Council, Idaho State University, \$24,875.00. (November 2011).
- Zimmerly, C. (Principal), Ruchti, W. P. (Co-Principal), Bennett, C. A. (Co-Principal), "Use of PCSEd adventures and TIA to integrate STEM into elementary schools," Sponsored by National Science Foundation, External to Idaho State University, \$350,000.00. (October 2011).

Other

- Ruchti, W. P., "Travel Grant," Sponsored by Idaho State University Office of Sponsored Research, Idaho State University, \$300.00. (2011).
- Participant, Grant Writer's Seminar and Workshop, Idaho State University Office for Research and Economic Development, October 2013.

Awards and Honors

- NASA Opportunity for Visionary Academics (NOVA) Fellow, University of Idaho. (2003).
- Presidential Doctoral Research Fellowship, University of Idaho. (2001-2005).
- Northwest National Service Symposium, First Place Paper, Northwest Regional Education Laboratory. (2000).

SERVICE

National

- National Science Teachers Association Online Advisor, (2010-2015).
- Invited Manuscript Reviewer, Educational Psychology, Article: Model Breaking Points Conceptualized, October 2013

State

- Region V Representative, Idaho Science Teachers Association, elected position, 2017-present
- Committee Member, Idaho STEM Leadership Cohort, appointed position, September 2018-present
- District 5 Representative, Idaho Science Teachers Association, Elected position, October 2017-present
- Professional Development and Teacher Evaluation Provider, State Agency Higher Education (SAHE) Partnership Grant, 2017-2018.
- Board Member and Webmaster, Idaho Science Teachers Association, appointed position, 2011-2014
- Member, Idaho State Network of Educators (SNE), creation and submission of formative assessment items for SBAC testing, 2013-14.
- Higher Education Representative, Idaho State Curriculum Materials Selection Committee, Member. (October 2011 - August 2013).

Affiliate Representative (ISTA), Idaho Space Grant Consortium. (October 2012 – January 2015).
Committee member and contributor, Idaho STEM Roadmap committee (2012-2015)
Conference Program Organizer, Idaho Science Teachers Association (ISTA), Member. (October 2011 - October 2013).

University

College of Education Committee Representative, Idaho State University Library Services (August 2017-present)
College of Education Committee Chair, Idaho State University Undergraduate Curriculum Committee (UCC).
(August 2011 – May 2014).
Executive Secretary, Idaho State University Undergraduate Curriculum Committee (UCC). (January 2012-May 2014).
Researcher and co-coordinator, Idaho State University NTEP Team, 2013-14

College of Education Representative, Idaho State University i-STEM Governance Committee. (2011-2013)
Co-Vice Chair, Idaho State University i-STEM governance committee. (October 2012 - October 2013).

College/Department

Program Director, Master of Arts in Teaching, appointed, August 2017- Present.
Advisor, Master of Arts in Teaching, 2017-2018(5 students), 2018-2019 (28 students), 2019-present (49 students)
Job Search Committee Member, Teaching and Educational Studies/Special Education Position, (2017-2018)
Accreditation Support, Science Education Liaison, Teaching and Educational Studies, 2017-present.

Liaison (Irving Middle School, Century High School, Liaison at large), ISU Partnership Schools. (August 2009-2011).
Course Representative for EDUC 3309, ISU College of Education Core Assessment Committee. (August 2012 - September 2013).
Course Representative for EDUC 3302, ISU College of Education Core Assessment Committee. (August 2011 - September 2013).
Committee Co-Chair, ISU College of Education STEM Position Statement Committee. (August 2012 - December 2012).
Promotion and Tenure Committee, Dr. Caroline Faure. (August 2012 - December 2012).
Course Representative for EDUC 2201, ISU College of Education Core Assessment Committee. (August 2009 - September 2012).
Committee Chair, ISU College of Education EDUC 3309 Course Revision Committee. (August 2011 - August 2012).
Program Lead, Secondary Education Program/Secondary Program coordinator. (August 2010 - May 2012).
Committee Chair, ISU College of Education Common Core Implementation. (August 2012 – August 2013).
Science Education Specialist, Total Instructional Alignment (2008-2012)

Community

Judge, ISU Robotics Competition. (2011 - 2012).
Speech Festival Data and Scoring Manager, Pocatello Community Charter School (PCCS). (2005- 2013, 2017).

Invited Presentations

Ruchti, W. (2019, May). Challenges of and assistant professor in maintaining a research pipeline. Invited panelist at the 2019 Global Conference on Education and Research.

Consulting

Technical/Professional Work, National Science Teachers Association, Arlington Virginia. (December 2010 - 2014).
Technical/Professional Work, Expeditionary Learning, New York, New York. (May 15, 2013 - August 15, 2013).