

# Dr. Kevin Mason

## Teaching, Learning and Leadership College of Education, Hospitality, Health and Human Sciences

Office: 225G Communication Technologies Building

Phone: 715-232-5609

Email: [masonk@uwstout.edu](mailto:masonk@uwstout.edu)

### Brief Biography

Kevin Mason is an Associate Professor of Science Education in the School of Education at the University of Wisconsin-Stout. He previously held positions as a chemistry and physics teacher at Chippewa Falls High School and Middleton High School. Since 2006, Dr. Mason has served as the Program Director for Science Education at the University of Wisconsin-Stout.

**Teaching Interests:** Kevin Mason teaches Education (EDUC) and STEM Education (STMED) courses for pre-service teachers.

**Research Interests:** Kevin Mason has researched science curriculum and instruction, professional development, and teacher education.

**Professional Interests:** Kevin Mason has designed and implemented numerous summer professional development opportunities for K-12 teachers.

### Roles/Responsibilities

Program Director of Science Education

### Education

- **Ph D Curriculum and Instruction**  
University of Wisconsin-Madison  
Madison, WI, United States, 2009
- **M ED Education**  
University of Minnesota  
Minneapolis, MN, United States, 2001
- **BS Chemistry**  
University of Minnesota  
Minneapolis, MN, United States, 1996

### Work Experience

#### Academic - Post-Secondary

- **Wisconsin Indianhead Technical College**, Science Department  
Online Instructor  
June 2006 - May 2011
- **University of Wisconsin-Madison**, Curriculum and Instruction  
Supervisor of Student Teachers  
August 2003 - May 2004

#### Academic - P-12

- **Middleton High School**  
Chemistry and Physics Teacher  
August 2001 - June 2003
- **Chippewa Falls High School**  
Chemistry and Physics Teacher  
August 1997 - June 2001

## Intellectual Contributions

### Journal Article

- Mason, K., Rodenberg, S., Polk, J., Freit, B., Schauf, S., & Brewer, B. (2014). If you build it, will it fly?. , Science Scope.
- Mason, K., & Klein, S. Land, sea, and sky: Mapmaking as reflection in pre-service teacher education. *Land, sea, and sky: Mapmaking as reflection in pre-sevice teacher education*, 14, 2.
- Mason, K. (2013). Teacher involvement in pre-service teacher education. *Teacher involvement in pre-service teacher eucation*, 19, 5.
- Mason, K., Brewer, J., Redman, J., Bomar, C., Ghenciu, P., LeDocq, M., & Chapel, C. (2012). SySTEMically improving student academic achievement in mathematics and science. *SySTEMically improving student academic achievement in mathematics and science*, 35(2).
- Mason, K., Brewer, J., Redman, J., Bomar, C., Ghenciu, P., LeDocq, M., & Chapel, C. SySTEMically improving student academic achievement in mathematics and science. *SySTEMically improving student academic achievement in mathematics and science*, 35(2).
- Mason, K., Bomar, K., Brewer, J., Ghenciu, P., & Redman, J. Western Wisconsin STEM consortia: SySTEMically improving student academic achievement in mathematics and science . *Western Wisconsin STEM consortia: SySTEMically improving student academic achievement in mathematics and science* , 22, 3, National Career Pathways Network Connections.
- Mason, K., Bomar, C., Ghenciu, P., Brewer, J., Redman, J., LeDocq, M., & Chapel, C. SySTEMically improving student academic achievement in mathematics and science. *SySTEMically improving student academic achievement in mathematics and science*.
- Mason, K., Bomar, C., Ghenciu, N., Ledoc, M., Chapel, C., Brewer, J., & Redman, J. Western Wisconsin STEM Consortium: Facilitating the collaborting the collabortive devlopment implementation, and assessment of integrated STEM Curriculum by K-12 teachers. *ASQ STEM Conferencde Proceddings*, 1-23.
- Mason, K., James, K. C., Carlson, K. M., & D'Angelo, J. The Invasive Plant Species (IPS) Education Guide: A series of lessons to engage students in community science projects. *The Science Teacher*.
- Mason, K., James, K., D'Angelo, J., & Carlson, K. (2010). The invasive plant species (IPS) education guide: Lessons to engage students in local citizen science projects . *The invasive plant species (IPS) education guide: Lessons to engage students in local citizen science projects* , The Science Teacher.

### Book

- Mason, K. (2014). Preparing for the Classroom: What Teachers Really Think About Teacher Education. , Lanham, MD: Rowman and Littlefield Publishers.
- Mason, K., & Dusek, W. (2012). Chemistry for Career and Technical Education. , Dubuque, IA: Kendall Hunt Publishing Company.
- Mason, K., Redman, J., Bomar, C., Ghenciu, P., LeDocq, M., & Chapel, C. (2012). SySTEMically improving student academic achievement in mathematics and science. , Milwaukee, WI: ASQ Quality Press.

### Guide

- James, K. C., Carlson, K. M., D'Angelo, J., & Mason, K. The Invasive Plant Species Education Guide (Guide). .

## Presentations

## Workshop

- Mason, K. (April, 2015). Advancing Science Learning: Teaching Life Science Concepts. Early Childhood Education (ECE) Conference, Menomonie, WI, United States.

## Uncategorized

- Mason, K., & McAlister, B. (March, 2015). Advancing Science Learning: Teaching. National Science Teachers Association (NSTA) Conference, Chicago, IL, United States.
- Mason, K., Michaelsen, D., & Kramschuster, A. (March, 2015). Advancing Science Learning: Teaching Physical Science Concepts Through Engineering Problems. Wisconsin Society of Science Teachers (WSST) Conference, Wisconsin Dells, WI, United States.
- McAlister, B., Weiss, T., & Mason, K. (May, 2014). Engaging Candidates When Building Capacity to Implement edTPA. edTPA Conference, Wisconsin Dells, WI, United States.
- Othman, L., Mason, K., Brennan, M., Nyland, R., & Hines, E. (May, 2014). Establishing a Professional Learning Community at the University of Wisconsin-Stout. Wisconsin State Personnel Development Grant Institute of Higher Education Conference, Green Bay, WI, United States.
- Hopkins-Best, M., Mason, K., Brennan, M., Othman, L., Johnson, A., & Nielson, K. (May, 2014). From EdTPA to Educator Effectiveness: Preparing Candidates and Initial Educators for Success. Wisconsin State Personnel Development Grant Institute of Higher Education Conference, Green Bay, WI, United States.
- Mason, K., & McAlister, B. (April, 2014). Advancing Science Learning: Teaching Life Science Concepts Through Engineering Problems. National Science Teachers Association (NSTA) Conference, Boston, MA, United States.
- Mason, K. (March, 2014). Advancing Science Learning: Teaching Life Science Concepts Through Engineering Problems. International Technology and Engineering Education Association (ITEEA) Conference, Orlando, FL, United States.
- Mason, K., & McAlister, B. (March, 2014). Advancing Science Learning: Teaching Life Science Concepts Through Engineering Problems. Wisconsin Association of Colleges of Teacher Education (WACTE) Conference, Madison, WI, United States.
- Mason, K., Bomar, C., Kramschuster, A., & Wallisch, A. (March, 2014). Advancing Science Learning: Teaching Life Science Concepts Through Engineering Problems. Wisconsin Society of Science Teachers (WSST) Conference, Appleton, WI, United States.
- Mason, K. (August, 2013). The Pedagogical Practices of the Next Generation Science Standards. No Teacher Left Inside (NTLI) Conference, Poynette, WI, United States.
- Mason, K., & Stricker, D. (April, 2013). Integrated STEM Projects: Teaching Technology and Engineering Concepts to Address the Next Generation Science Standards. National Science Teachers Association (NSTA) Conference, San Antonio, TX, United States.
- Stricker, D., & Mason, K. (March, 2013). The Rural Integration of STEM Curriculum. International Technology and Engineering Education Association (ITEEA) Conference, Columbus, OH, United States.
- Mason, K., Layman, G., Wiesneski, K., & Johnson, B. (March, 2012). Hydroponics: Using Project-Based Learning to Teach Plant Ecology. Wisconsin Society of Science Teachers (WSST) Conference, Madison, WI, United States.
- Mason, K., Bomar, C., & Brewer, J. (July, 2011). SySTEMically Improving Student Academic Achievement in Mathematics and Science. American Society for Quality STEM Agenda Conference, Menomonie, WI, United States.
- Mason, K. (October, 2010). Preparing STEM Teaching Professionals. SySTEMnow Conference, Milwaukee, WI, United States.
- Mason, K. (April, 2010). Invasive Plant Species Curriculum Guide. Wisconsin Society of Science Teachers (WSST) Conference, LaCrosse, WI, United States.

## Grants, Contracts, and Sponsored Research

### Grant

- Mason, K. Advancing Science Learning (ASL). Sponsored by Elementary and Secondary Education Act (ESEA) Title IIa Wisconsin Improving Teacher Quality Grant, \$116403 (Funded).
- Mason, K. Science Literacy- Literacy in Science. Sponsored by Elementary and Secondary Education Act (ESEA) Title IIa Wisconsin Improving Teacher Quality Grant, \$337566 (Funded).
- Othman, L., Hines, E., Martinez, K., Nyland, R., Peterson, C., Brennan, M., & Mason, K. Institutes of Higher Education/State Personnel Development Grant. Sponsored by Wisconsin Department of Public Instruction, \$20000 (Funded).
- Mason, K. Elementary and Secondary Education Act (ESEA) Title IIa Wisconsin Improving Teacher Quality Grant. Sponsored by Science Learning Community (SLC), \$503383 (Funded).
- Mason, K. Next Generation Science Standards (NGSS). Sponsored by Elementary and Secondary Education Act (ESEA) Title IIa Wisconsin Improving Teacher Quality Grant, \$122677 (Funded).
- Mason, K. Research Equipment for the School of Education. Sponsored by College of Education, Health, and Human Sciences Research Equipment Grant, \$13759 (Funded).

## Awards, Fellowships, Honors, and Scholarships

### Award

- Excellence in Science Education Award, Wisconsin Society of Science Teachers (2012)
- Undergraduate Program Director of the Year, College of Education, Health, and Human Sciences (2012)
- Undergraduate Program Director of the Year, School of Education (2011)

## Service

### Department / School

- Teaching, Learning, and Leadership Personnel Committee (2015 - Present)
- **Coordinator**, University of Wisconsin-Stout edTPA (2015 - Present)
- School of Education Benchmark Assessment Committee (2014 - Present)
- Art Education Advisory Committee (2013 - Present)
- **Committee Chair**, Teaching, Learning, and Leadership Governance Committee (2013 - Present)
- Educative Teaching Performance Assessment (edTPA) Committee (2012 - Present)
- UW-Stout National Science Teachers Association (2009 - Present)
- Technology Education Advisory Committee (2008 - Present)
- School of Education Council (2006 - Present)
- **Program Director**, Science Education (2006 - Present)
- **Committee Chair**, Art Education Search (2013 - 2014)
- Response to Intervention (RTI) Committee (2012 - 2013)
- Scholarly Activity Committee (2011 - 2013)
- School of Education Director Search Committee (2011 - 2011)

### University

#### UW Stout

- **Committee Member**, Mathematics Faculty Search Committee (2014 - Present)
- **Committee Member**, Applied Mathematics and Computer Science Advisory Committee (2011 - Present)
- College of Education, Health, & Human Sciences Council (2009 - Present)
- **Committee Member**, Applied Science Advisory Committee (2006 - Present)
- University Level Associate Professor Promotion Committee (2013 - 2014)
- **Committee Member**, Mathematics Education Faculty Search Committee (2012 - 2013)
- **CEHHS Representative**, Positive Action Committee (2011 - 2012)

- **CEHHS Representative** , Admissions & Credit Appeals Committee (2010 - 2012)
- **CEHHS Representative** , Professional Development Committee (2010 - 2011)

### Professional

- **Member**, Wisconsin Society of Science Teachers (WSST) (2010 - Present)
- **Member**, National Science Teachers' Association (NSTA) (2008 - Present)
- Wisconsin Department of Public Instruction Science Leadership Team (2012 - 2014)
- **Member**, Association of Teacher Educators (ATE) (2010 - 2014)
- **Advisory Board Member**, CESA 11 Science (2009 - 2014)
- **Coordinator**, Wisconsin Science Olympiad (2007 - 2014)
- Presidential Awards for Excellence in Mathematics and Science Teaching (2011 - 2012)
- **Conference Chair**, Reviewed Conference Papers for American Society of Quality: STEM Agenda (2011 - 2011)
- Reviewed Manuscripts for Teaching Education (2011 - 2011)

**Trainer**, National Geographic JASON Project (2008 - 2008)