

**JENNIFER L. WEIBLE**

195 E. Ojibway Court, EHS 445 Mount Pleasant, MI 48859  
EMAIL: j.weible@cmich.edu • PHONE: (989)774-7515 • CELL: 814-590-6340

---

**EDUCATION**

**THE PENNSYLVANIA STATE UNIVERSITY**

Ph.D. Learning, Design, and Technology program, College of Education Dec  
2014

*Dissertation:* Using Web 2.0 tools to support science practices: High school students engaging in argumentation

*Chair:* Prof. Heather Toomey Zimmerman

*Honors:* AT&T Fellowship, 2009-2010; Ralph T. Heimer Award, 2011

**THE PENNSYLVANIA STATE UNIVERSITY**

M.Ed. Instructional Systems: Educational Technology May  
2009

*Thesis:* Investigating the effects of social tagging on higher order thinking skills: Using Delicious.com as a mindtool

**CLARION UNIVERSITY OF PENNSYLVANIA**

B.S. Secondary Education, Certification: Chemistry and Physics Dec  
1991

*Honors:* Honors Scholarship, 1987-1991; Scholars in Education Award, 1987-1991

**ACADEMIC POSITIONS AND TEACHING EXPERIENCE**

**CENTRAL MICHIGAN UNIVERSITY**

*Assistant Professor, Educational Technology, TEPD* August 2015 – Present

Classes Taught:

EDU 290: Technology in Education

EDU 458: Student Teaching

EDU 590: Advanced Technology in Education

EDU 642: Instructional Multimedia

EDU 643: Instructional Design

EDU 653: The Read/Write Web

EDU 706: Theory/Practice of Instruction

EDU 709: Innovative Uses of Technology

EDU 801: Qualitative Research in Educational Technology

EDU 810: Grant Writing

Doctoral Student Advising:

Tammi Kolski, ABD

Tiffany Ellison, Jennifer Wathall, Robert Norman, Heidi Roth, Michelle Claypool

**THE PENNSYLVANIA STATE UNIVERSITY**

*Instructor, Learning, Design, & Technology*

Underline – CMU student

Classes Taught:  
 2011 INSYS 415: Systematic Instructional Development for Teachers 2014  
 EDTECH 440: Introduction to Computers for Educators 2010 –

Learning Across Science Settings (P.I. Prof. H. Zimmerman):  
*Lead Doctoral Student/Graduate Researcher* 2009 – Summer 2015

**PUNXSUTAWNEY AREA SCHOOL DISTRICT**

*Chemistry, Physics, and Physical Science Teacher* 1993 – August  
 2015

*Keystone Integrator* 2008 – August  
 2015

*Tech Team /Schoolbook Online Grading Administrator* 2005 – August 2015

**CENTRAL SUSQUEHANNA INTERMEDIATE UNIT**

*Corporate Trainer, Schoolbook Online Gradebook System* 2006 –  
 2007

**PUBLICATIONS**

**PEER REVIEWED JOURNAL ARTICLES**

Weible, J. L., & Zimmerman, H. T. (In Review, 2018). Student use of a wiki to support epistemic agency. *International Journal of Computer Supported Collaborative Learning*.

Zimmerman, H. T., & Weible, J. L. (Accepted with Revisions, 2017). Epistemic Engagement in an Environmental Sciences Watershed Investigation Fostered by Digital Photography. *International Journal of Science Education*.

Weible, J. L., & Zimmerman, H. T. (2016). Science curiosity in learning environments: Developing an attitudinal scale for research in schools, homes, museum, and the community. *International Journal of Science Education*. DOI: 10.1080/09500693.2016.1186853

Zimmerman, H. T., & Weible, J. L. (2016). Learning in and about rural places: Connections and

Underline – CMU student

tensions between students' everyday experiences and environmental quality issues in their community. *Cultural Studies of Science Education*. DOI: 10.1007/s11422-016-9757-1

#### BOOK CHAPTERS & EDITOR PANEL REVIEWED PUBLICATIONS

Zimmerman, H. T., & Weible, J. L. (2017). Inquiry-based Learning. In K. Peppler (Ed.), *The Sage Encyclopedia of Out-of-School Learning*. Springer.

Zimmerman, H. T., & Weible, J. L. (2017). Epistemic engagement in place based science education: Best practices. In D. Stroup (Ed.), *Reframing science teaching and learning: Students and teachers co-constructing science practices in and out of school*. Routledge.

Weible, J. L., & Zimmerman, H. T. (2016). Stewardship in Appalachia. *Green Teacher*, 110, 30-33.

#### PUBLISHED PEER-REVIEWED CONFERENCE PROCEEDINGS

Plevinski, J., Weible, J. L., & DeSchryver, M. (2017). Anchored Annotations to Support Collaborative Knowledge Construction. In *Making a Difference—Prioritizing Equity and Access in CSCL: Proceedings of the 12<sup>th</sup> International Conference on Computer Supported Collaborative Learning*. Philadelphia, PA.

Weible, J. L., & Zimmerman, H. T., (2013). Examining High School Students' Individual Learning from Collaborative Projects Related to Alternative Energy In M. Kapur, M. Nathan, & N. Rummel (Eds.), *Learning across Levels of Space, Time, and Scale: Proceedings of the Tenth Conference on Computer Supported Collaborative Learning*. 2, 185-188. Retrieved from <http://www.isls.org/cscl2013/>.

Zimmerman, H. T., Jordan, R., Weible, J. L., and Gamrat, C. (2010) Using digital photography on an Internet portal to extend and enrich outdoors learning experiences. In Zimmerman, H.T., et al . (2010). Technologies and Tools to Support Informal Science Learning. *Proceedings of the Ninth International Conference for the Learning Sciences – ICLS 2010. Volume 2*; pp. 260-266.

#### OTHER WORK

Zimmerman, H. T, Weible, J. L, McClain, L. R., Motter, J., McDyre, A., & Jung, Y. (2010). Green Way: Discover with me design plan, Report for the Early Childhood Committee of the Discovery Space of Central Pennsylvania [White paper]. Retrieved from [http://www.personal.psu.edu/haz2/Heather\\_Zimmerman](http://www.personal.psu.edu/haz2/Heather_Zimmerman)

#### IN PROGRESS PUBLICATIONS

Roberts, S., Weible, J. L., & Fischer, L. (Revise and Resubmit, Pending). From Novgorod to Timbuktu. *Social Education*.

Weible, J. L., & Zimmerman, H. T. (Revise and Resubmit, Pending). Social tagging to support collaborative sensemaking in a high school science class. *Journal of Information Science*.

Zhang, M. & Weible, J. L. (In preparation). Teacher beliefs towards technology and computer self-efficacy in social media. Intended for *Tech Trends*.

Weible, J. L. (In preparation). Fostering epistemic engagement: Learners crafting understandings of

persuasion in science. Intended for *Journal of Learning Sciences*

Weible, J. L., & Zimmerman, H. T. (In preparation). Concept mapping in high school classrooms: Measuring learning through representations of understandings. Intended for *Computers and Education*.

Weible, J. L., Zimmerman, H. T., Kim, S.H., & Choi, G.W. (In preparation). *Grounding a measure for curiosity in behavior: Connecting an attitudinal scale to student actions in science classrooms*. Intended for *Science Education*.

## PRESENTATIONS

### NATIONAL/INTERNATIONAL CONFERENCE PRESENTATIONS

Francis, R., Weible, J. L., & Deschaine, M. (Oct. 2017). *Building an Online Classroom Community through Asynchronous and Synchronous Strategies*. Teaching with Technology Conference 2017. Baltimore, MD.

Bond, J. & Weible, J. L. (Nov. 2017). *Observations from (almost) 100 Online Student Self-Introductions & Advice for Better Results*. 2017 OLC Accelerate Conference. Orlando, FL.

Weible, J. L. & Roberts, S. (Nov. 2017). *Using Augmented Learning to Support Deeper Learning and Engagement*. 2017 Annual Meeting of the Association for Educational Communications & Technology (AECT). Jacksonville, FL.

Weible, J. L. & Dousay, T. (Nov. 2017). *Learning Genetics Using 3Doodler Pens*. 2017 Annual Meeting of the Association for Educational Communications & Technology (AECT). Jacksonville, FL.

Weible, J. L., & Hicks, T. (Accepted, June 2018). *Video Tools for Assessment, Reflection, and Creation* 2018 ISTE Conference. Chicago, IL.

Weible, J. L. & Zimmerman, H. T. (Accepted, March 2018). *Examining Relationships Between Youths' Science Curiosity and Personal Interests, In-and Out-of-School Experiences, and Familial Attitudes*. 2018 Annual Meeting of the National Association of Research in Science Teaching (NARST). Atlanta, GA.

Zimmerman, H. T., Weible, J. L. Wright, E., Maggiore, C., & Jablonski, N. (Accepted, March 2018). *Youths Learning with a Personalized Genetics and Genealogy Approach: Summer Camp Experiences Supporting Engagement in the Life Sciences*. 2018 Annual Meeting of the National Association of Research in Science Teaching (NARST). Atlanta, GA.

Weible, J. L. (Accepted, April 2018). Youth Creating to Meet Other's Needs: Using Empathic Design Principles in a Makerspace. In *Analytical Frameworks to Advance the Study of Making: Themes in Research and Development on Makerspaces*. 2018 Annual Meeting of the American Educational Research Association (AERA). New York, NY.

- Weible, J. L. (April 2017). Learners Crafting Understandings of What It Means to Persuade. In *From Making to Agentic Participation: Perspectives on and Approaches to Fostering Epistemic Engagement in Making*. 2017 Annual Meeting of the American Educational Research Association (AERA). San Antonio, TX.
- Weible, J. L., & Cunningham, K. D. (April 2017). *Approaching Pre-service Science Education Preparation with a Playful Learning Pedagogy*. 2017 Annual Meeting of the National Association of Research in Science Teaching (NARST). San Antonio, TX.
- Cunningham, K. D., Weible, J. L., & Cavanaugh, S. (Mar. 2017). *Cultivating teacher candidates in STEM education prior to entering a teacher preparation program*. 2017 American Association of Colleges for Teacher Education (AACTE). Tampa, FL.
- Cunningham, K. D., Weible, J. L., & Cavanaugh, S. (Oct. 2016). *Creating a community of learners in STEM education before entering a teacher preparation program*. 2016 Lilly Conference – Evidence-Based Teaching & Learning. Traverse City, MI.
- Weible, J. L., & Cunningham, K. D. (Oct. 2016). *Emerging technology showcase: 3Dooder pens and STEM modeling*. 2016 Annual Meeting of the Association for Educational Communications & Technology (AECT). Las Vegas, NM.
- Weible, J. L. (Oct. 2016). *Digital making in a science classroom to support argumentation*. 2016 Annual Meeting of the Association for Educational Communications & Technology (AECT). Las Vegas, NM.
- Weible, J. L., & Zimmerman, H. T. (Oct. 2016). *Social tagging and collaborative sensemaking in a science classroom*. 2016 Association for Educational Communications & Technology (AECT). Las Vegas, NM.
- Eppley, K., Zimmerman, H. T., & Weible, J. L., (April, 2016). *Why do rural schools matter? Social justice and Rural Education*. 2016 Annual Meeting of the American Educational Research Association (AERA). Washington, DC.
- Weible, J. L. (April, 2016). *Student Use of a Wiki in Support of Articulating Collaborative Understanding*. 2016 Annual Meeting of the American Educational Research Association (AERA). Washington, DC.
- Weible, J. L., & Zimmerman, H. T. (April, 2016). *Measuring Science Curiosity in Learning Environments: Developing an Attitudinal Scale*. 2014 Annual Meeting of the National Association of Research in Science Teaching (NARST). Baltimore, MD.
- Engerman, J., Dousay, T., Holden, J., Hollett, T., & Weible, J. (Nov, 2015). *Designing for Playful Learning*. 2015 Annual Meeting of the Association for Educational Communications & Technology (AECT). Indianapolis, IN.
- Engerman, J., Dousay, T., Holden, J., Hollett, T., & Weible, J. (Nov, 2015). *Playful Learning Initiative Sandbox*. 2015 Annual Meeting of the Association for Educational Communications & Technology (AECT). Indianapolis, IN.
- Weible, J. L. (Nov, 2015). *Emerging Technology Showcase: Do you Diigo and Curriculet*. 2015 Annual Meeting of the Association for Educational Communications & Technology (AECT). Indianapolis, IN.

- Zimmerman, H. T., & Weible, J. L. (April, 2015). *Integrating digital photography in field-based environmental science to support understandings of watershed health.* . 2015 Annual Meeting of the National Association of Research in Science Teaching (NARST).
- Zimmerman, H. T., & Weible, J. L. (April, 2015). *Supporting participation in science practices: Using social bookmarking to make sense of alternative energy.* 2015 Annual Meeting of the American Educational Research Association (AERA). Chicago, IL.
- Weible, J. L., & Zimmerman, H. T. (Nov, 2014). *A comparison of student wiki use in two high school science classrooms.* 2014 Annual Meeting of the Association for Educational Communications & Technology (AECT). Jacksonville, FL.
- Weible, J. L., & Zimmerman, H. T. (April, 2014). *Using student-created videos about alternative energy to support argumentation in high school science classrooms.* 2014 Annual Meeting of the National Association of Research in Science Teaching (NARST). Pittsburgh, PA.
- Weible, J. L., & Zimmerman, H. T. (April, 2014). *Supporting participation in science practices: Using social bookmarking to make sense of alternative energy.* 2014 Annual Meeting of the American Educational Research Association (AERA). Philadelphia, PA.
- Zimmerman, H. T., & Weible, J. L. (April, 2014). *Learning in and about rural places: Connecting students' everyday experiences to science practices in the environmental sciences.* 2014 Annual Meeting of the American Educational Research Association (AERA). Philadelphia, PA.
- Weible, J. L., & Zimmerman, H. T. (2013, April). *Web 2.0 tools to support participation in science practices: Students' use of podcasts for argumentation.* 2013 Annual Meeting of the American Educational Research Association (AERA). San Francisco, CA.
- Weible, J. L., & Zimmerman, H. T. (2013, June) *Students' use of social-bookmarking to make sense of alternative energies.* 2013 LearnLab Workshop. Pittsburgh, PA.
- Weible, J. L. & Zimmerman, H. T. (2012, April). *Examining student collaboration when using Web 2.0 tools to construct a group knowledge artifact.* 2012 Annual Meeting of the National Association of Research in Science Teaching (NARST). Indianapolis, IN.
- Weible, J. L. (2011, April). *Using Web 2.0 tools to support student construction of scientific arguments.* 2011 Annual Meeting of the National Association of Research in Science Teaching (NARST). Orlando, FL.
- Zimmerman, H. T. & Weible, J. L. (2011, April). *Connecting fieldtrip learning to a school-based ecology unit: Using sociocultural theory to design and study learning across settings.* 2011 Annual Meeting of the National Association of Research in Science Teaching (NARST). Orlando, FL.

#### **STATE/REGIONAL CONFERENCE PRESENTATIONS**

- Weible, J. L., & Hicks, T. (Accepted, March 2017). *Now I See It: Integrating Video Tools into Assessment, Reflection, and Student Media Production.* 2017 Michigan Association for Computer Users in Learning (MACUL). Detroit, MI.
- Plevinski, J. S., Weible, J. L., & DeSchryver, M. (May 2017). *Innovative Collaboration Anchored Annotation Strategies for Asynchronous Learning Online.* Great Lakes Teaching and Learning

Conference, Mt. Pleasant, MI.

Weible, J. L., & Roberts, S. (May 2017). *Augmenting Student Learning with Aurasma: Engaging Students with Multiple Perspectives*. Great Lakes Teaching and Learning Conference, Mt. Pleasant, MI.

Weible, J. L., & Cavanaugh, S., Cunningham, K. D. Francek, M., Renierie, R., & St. John, D. (May 2017). *The "T" is not just in STEM: Technology to support learning in all classes*. Great Lakes Teaching and Learning Conference, Mt. Pleasant, MI.

Weible, J. L., & Dirkin, K. (Mar. 2017). Connecting what students make to what they learned: Using technology to support multi-modal reflection in the classroom. 2017 Michigan Association for Computer Users in Learning (MACUL). Detroit, MI.

Moxley, K.D., Jetton, T. L., Collings, N., Barrett, K., Allen, H. R., Weible, J. L., & Li, X. (May, 2016). *Disciplinary word learning: Understanding concepts within the disciplines*. 2016 Great Lakes Teaching and Learning Conference. Mt. Pleasant, MI.

Zimmerman, H. T., & Weible, J. L. (Nov, 2015) *Epistemic engagement in a field-based watershed investigation fostered by emergent technologies*. 2015 Learning Sciences/Science of Learning Poster Exhibition. State College, PA.

Zimmerman, H. T., & Weible, J. L. (2013, December). *Addressing the common core in the secondary science classroom with apps and social media*. 2013 Annual Meeting of the Pennsylvania Science Teachers Association (PSTA). State College, PA.

Weible, J. (2010, April). *How youth perceive their cell phone use as a part of their identity*. Poster Session, Learning and Performance Systems, Pennsylvania State University, University Park, PA

Weible, J. (2009, November). *Using delicious as a mindtool in high school science*. Poster Session, Learning and Performance Systems, Pennsylvania State University, University Park, PA

Weible, J. (2009, June). *What every administrator should know about technology in the classroom*. IU6 Administrator Tech Camp, Clarion, PA.

Weible, J. (2009, February). *Concept maps and wiki wildness in chemistry*. 2009 Annual Meeting of the Pennsylvania Educational Technology Exhibition and Conference (PETE&C). Hershey, PA.

Weible, J. (2009, February). *Technology use in a science classroom*. 2009 Annual Meeting of the Pennsylvania Educational Technology Exhibition and Conference (PETE&C). Hershey, PA.

Fedigan, M. & Weible, J. (2009, February). *We aren't all peas in a pod: Podcasting across the curriculum*. 2009 Annual Meeting of the Pennsylvania Educational Technology Exhibition and Conference (PETE&C). Hershey, PA.

Weible, J., Burkett, L., White, S., & Lainey, S. (2004, December). *Project based learning in science*. 2004 Annual Meeting of the Pennsylvania Science Teachers Association (PSTA), Hershey, PA.

Weible, J. & Burkett, L. (2003, December). *Projects we have done, and would actually do again*. 2003 Annual Meeting of the Pennsylvania Science Teachers Association (PSTA), Hershey, PA.

#### **LOCAL CONFERENCE PRESENTATIONS**

Plevinski, J. S., & Weible, J. L., (April 2017). *Innovative Collaboration Anchored Annotation Strategies*

Underline – CMU student

*for Asynchronous Learning Online. 24<sup>th</sup> Annual Student Research and Creative Endeavors Exhibition (SRCEE), Central Michigan University, Mt. Pleasant, MI.*

### INVITED PRESENTATIONS

Weible, J. L. (February 2018). *A Look Back: Higher Education and the Impact on Local Communities*. 2018 Central Talks. Central Michigan University, Mt. Pleasant, MI.

Weible, J.L., Richard, G., & Wetzel, R. (July 2017). *Maker Culture in Online Spaces*. 2017 PA Forward Information Literacy Summit: Libraries and Maker Culture: Co-Constructing Learning Experiences and Environment. Penn State University, PA.

Weible, J. L. (Feb. 2017). *Technology you can use with your students on Monday*. Teacher Candidate Conference. Central Michigan University, Mt. Pleasant, MI.

Weible, J. L. (Nov. 2016). *Technology in the Classroom: Supporting Teacher Activities and Student Learning*. Students Educating Every Child (SEEC) Conference. Central Michigan University, Mt. Pleasant, MI.

Dirkin, K. H. & Weible, J. L. (Sept. 2016). *Explain Everything*. Presented to the CEHS Residential College students on September 21, 2016. Central Michigan University, Mt. Pleasant, MI.

### GRANTS AND AWARDS

- **2017 Distinguished Alumni Award** at Clarion University, Clarion, PA.
- Fall **2017 Science curiosity and making: Examining the relationships between curiosity, computational thinking, and engagement in STEM makerspaces**. National Science Foundation: DRK12 Award, submitted \$449,703.
- Fall **2017 Measuring Curiosity in Science Settings: Youth Engaged in STEM Making Experiences**. FRCE Category B Award, funded by Central Michigan University. Funded: \$7940.
- **2017** Participant in *Publishing in the Learning Sciences: A Journal Writers' Workshop* sponsored by the International Society of the Learning Sciences
- **2017 Specialized Technologies Projects Award** sponsored by the College of Education and Human Services, Central Michigan University. Project: Chromebook Impact on Self-Efficacy of Preservice Teachers. Funded: \$5,430.00
- **2016 Specialized Technologies Projects Award** sponsored by the College of Education and Human Services, Central Michigan University. Project: Perspectives: Modeling in 3D. Funded: \$5564.22
- **2013** Participant in *The Learnlab Workshop* sponsored by Carnegie Mellon University and Pittsburgh University of Pennsylvania
- **2013** Participant in *The Computer Supported Collaborative Learning Doctoral Consortium* sponsored by the International Society of the Learning Sciences
- **2013, 2012, 2011, 2010 Graduate Student Travel Grant** from the College of Education and the Department of Learning and Performance Systems

Underline – CMU student



- **2011 – 2012** *The Ralph T. Heimer Award* from the Learning, Design, and Technology Department, the Penn State University’s College of Education
- **2011** Participant in *The Sandra K. Abell Doctoral Institute Consortium* sponsored by the National Association for Research in Science Teaching
- **2011** *NARST Scholarship for Classroom Teachers and Informal Science Educators* from the National Association for Research in Science Teaching
- **2009 – 2010** *The AT&T Graduate Fellowship* from the Graduate School, Penn State University
- **1987 – 1991** *Scholars in Education Award* from Pennsylvania State Department of Education
- **1987 – 1991** *Honors Program Scholarship* from Clarion University of Pennsylvania

**PROFESSIONAL AND SERVICE ACTIVITIES**

**CENTRAL MICHIGAN UNIVERSITY**

- Mary McGuire Elementary: STEM after School Program 2015-2018
- STEM Education Steering Committee 2015-2018
- Learning & Leading Scholarship Committee 2015-2018
- Department Technology Committee (Chair) 2016-2018
- T. R. Johnson Speaker Series Committee 2016-2018
- FLC: STEM Journal Group 2015-2018
- FLC: Secondary Education (PEU) 2017-2018
- FLC: Disciplinary Word Learning 2015-2016
- FLC: Interdisciplinary Lesson 2015-2016

**NATIONAL ASSOCIATION OF RESEARCH IN SCIENCE TEACHING**

- Web Design Committee 2017-2018

**ASSOCIATION FOR EDUCATIONAL COMMUNICATIONS AND TECHNOLOGY**

- David H. Jonassen Excellence in Research Award Committee 2017-2018

**THE PENNSYLVANIA STATE UNIVERSITY**

- Student Leadership Team, Learning and Performance Systems 2009 – 2010
- Design Team, Discovery Space of Central Pennsylvania Summer 2010

**REVIEWER**

**NATIONAL SCIENCE FOUNDATION**

- Grant Reviewer 2018

**TECH TRENDS**

- Journal Reviewer 2016 – 2018

**AMERICAN EDUCATIONAL RESEARCH ASSOCIATION**

- Conference Proposal Reviewer for Division C and SIG IT 2016 – 2017

**AMERICAN EDUCATIONAL RESEARCH ASSOCIATION**

- Conference Proposal Reviewer for Division C and SIG IT 2016 – 2017

**ASSOCIATION FOR EDUCATIONAL COMMUNICATIONS AND TECHNOLOGY**

- Conference Proposal Reviewer 2015 – 2017

**NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING**

- Conference Proposal Reviewer for Strands 4, 6, and 12 2010 – 2017

Underline – CMU student

**INTERNATIONAL SOCIETY FOR TECHNOLOGY IN EDUCATION**

- Conference Research Paper and Proposal Reviewer 2011 – 2016

**INTERNATIONAL CONFERENCE OF THE LEARNING SCIENCES**

- Conference Research Paper and Proposal Reviewer 2014 – 2016

**COMPUTER SUPPORTED COLLABORATIVE LEARNING**

- Conference Research Paper and Proposal Reviewer 2013 – 2017

**INTERNATIONAL CONFERENCE ON COMPUTERS IN EDUCATION ON COMPUTER SUPPORTED COLLABORATIVE LEARNING AND LEARNING SCIENCES (ICCE CSCL)**

- Conference Research Paper and Proposal Reviewer 2014-2016

**BOOK REVIEWER**

2010

- Beaudoin, M., Kurtz, G., Jung, I., Suzuki, K. & Grabowski, B. (2013). *Attitudes for Successful Learning in Online Settings*. Charlotte, NC: Information Age Publishing

**CLARION UNIVERSITY OF PENNSYLVANIA**

- Mentor, Teacher Preparation Program 2015 2003 –

- Member, Science in Motion Collaborative 2015 2003 –

- Member, Collaboration for Excellence in Teacher Preparation in PA 2004 2001 –

**PUNXSUTAWNEY AREA SCHOOL DISTRICT**

- Pennsylvania Keystone Integrator 2015 2008 –

- Advisor, Science Club 2015 1995 –

- Member, Technology Committee for District Technology Plan Development 2007 – 2010
- Member, Technology Committee for District Strategic Plan Development 2008 – 2010
- Member, Technology Committee for Middle States Evaluation 2008 – 2010

### **PROFESSIONAL AFFILIATIONS**

- **National Association for Research in Science Teaching (NARST)**
- **International Society of the Learning Sciences (ISLS)**
- **American Educational Research Association (AERA)**
- **International Society for Technology in Education (ISTE)**
- **Association for Educational Communications and Technology (AECT)**
- **American Association of Colleges for Teacher Education (AACTE)**
- **National Science Teachers Association (NSTA)**