

Publications

- 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, 2018). Epistemic engagement in an environmental sciences watershed investigation fostered by digital photography. *International Journal of Science Education*.
- Plevinski, J., Weible, J., & DeSchryver, M. (2017). *Anchored annotation to support collaborative knowledge construction*. Philadelphia, PA: International Society of the Learning Sciences.
- 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.
- Zimmerman, H. T., & Weible, J. L. (2017). Extending and enriching science practices. In D. Stroupe (Ed.), *Reframing science teaching and learning: Students and educators co-developing science practices in and out of school* (chp 2). New York, NY: Routledge.
- Zimmerman, H. T., & Weible, J. L. (2017). Inquiry-based Learning. In K. Peppler (Ed.), *The Sage Encyclopedia of Out-of-School Learning*. Springer.
- Weible, J. L., & Zimmerman, H. T. (2016). Science curiosity in learning environments: Developing an attitudinal scale for research in schools, homes, museums, and the community. *International Journal of Science Education*, 38(8), 1235-1255.
- Weible, J. L., & Zimmerman, H. T. (2016). Stewardship in Appalachia. *Green Teacher*, 110, 30-33.
- Zimmerman, H. T., & Weible, J. L. (2016). Learning in and about rural places: Connections and tensions between students' everyday experiences and environmental quality issues in their community. *Cultural Studies of Science Education*, 12(1), 7-31.
- Weible, J. L. (2014). *Student use of Web 2.0 tools to support argumentation in a high school science classroom* (Doctoral dissertation). Available from ProQuest Dissertations and Theses database.
- 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/>.
- Weible, J. L. (2011). Using Web 2.0 tools to support student construction of scientific arguments. *Academia.edu*. Retrieved from: https://s3.amazonaws.com/academia.edu.documents/7486612/Weible_Web%202.0_Argumentation_NARST2011.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1510276805&Signature=nhEm8P5aYF5baSnOIHVHeldgem4%3D&response-content-disposition=inline%3B%20filename%3DUsing_Web_2.0_Tools_to_Support_Student_C.pdf
- 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.
- 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

Presentations

National/International Conference Presentations

- Weible, J. L., & Hicks, T. (June 2018). *Video Tools for Assessment, Reflection, and Creation* 2018 ISTE Conference. Chicago, IL.
- Weible, J. L. (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. & Zimmerman, H. T. (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. (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.
- 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. & 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. & 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.
- 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.
- 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. (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., & Cunningham, K. D. (Oct. 2016). *Emerging technology showcase: 3Doodler pens and STEM modeling*. 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

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., & Cavanaugh, S., Cunningham, K. D. Francek, M., Renerie, 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., & 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., & 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.

Weible, J. L., & Hicks, T. (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.

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 for Asynchronous Learning Online*. 24th 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.