

## Mia Kim Williams, PhD

University of Northern Colorado  
McKee Hall, Campus Box 107  
970-351-2414

Cell: (602) 677-7199  
email: mia.williams@unco.edu

### BACKGROUND INFORMATION

#### Education

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|---|------|
| Arizona State University, Ph.D. in Curriculum and Instruction,<br>Interdisciplinary Curriculum Studies<br>Defense: May 2008. Dissertation Title: Imagining the Future<br>of Public School Classrooms: Preservice Teachers' Pedagogical<br>Perspectives about Using Information and Communication<br>Technologies in their Future Classrooms<br>Chair: Gustavo Fischman,<br>Members: Eric Margolis, Alfredo Artiles, Maria Cardelle-Elawar | 2008 |
| Arizona State University West, M.Ed. Secondary Education,<br>Educational Media & Computers  | 1999 |
| Northern Arizona University, B.S. Secondary Education<br>Major: English                      Minor: Geology   | 1995 |

#### Professional Credentials

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|---|------|
| Arizona Standard Secondary Teacher Certificate (7-12)<br>Areas of Certification: English, Earth Science, Technology | 1995 |
| Intel Teach to the Future Preservice Teacher Certified Instructor   | 2002 |

#### Professional Experience

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|---|--------------|
| Associate Professor of Curriculum Studies and Educational Technology<br>Coordinator of Educational Technology (2014 – present)<br>Coordinator of Educational Studies EdD program (2011-2014)<br>College of Education and Behavioral Sciences,<br>School of Teacher Education<br>University of Northern Colorado | 2011-present |
| Assistant Professor of Educational Technology and Social Foundations<br>Coordinator of Educational Studies EdD program (2010-2011)<br>College of Education and Behavioral Sciences,<br>School of Teacher Education<br>University of Northern Colorado   | 2009-2011    |
| Assistant Clinical Professor and Coordinator MAC/InMAC programs<br>College of Teacher Education and Leadership,<br>Arizona State University, Education Downtown   | 2008-2009    |
| Lecturer of Educational Technology,<br>College of Teacher Education and Leadership,<br>Arizona State University at the West campus  | 2002-2008    |
| Educational Technology Specialist, College of Education,<br>Arizona State University at the West campus   | 2000-02      |
| Science & English Teacher, Agua Fria Union High School District, Arizona  | 1996-00      |
| English Teacher, Flagstaff Unified School District, Arizona   | 1995-96      |

## Honors and Awards

President's Volunteer Service Award, United States of America	2015
Outstanding Teacher Award 2014, College of Education and Behavioral Sciences, University of Northern Colorado	2015
Outstanding Advisor Award 2014, College of Education and Behavioral Sciences, University of Northern Colorado	2015
Nominee for the Faculty award for internationalism	2015
President's Volunteer Service Award, United States of America	2014
Nominee for the Outstanding 2013 Service Award, College of Education and Behavioral Sciences, University of Northern Colorado	2014
President's Volunteer Service Award, United States of America	2013
Nominee for the Outstanding 2011 Advisor Award, College of Education and Behavioral Sciences, University of Northern Colorado	2012
SIGTE Research Paper Award, International Society of Technology in Education, Teacher Education Special Interest Group Paper title: Innovative Technologies, Small Groups, and a Wiki: A 21st-Century Preservice Experience Founded on Collaboration	2008
Preparing Future Faculty, Arizona State University, Tempe, AZ	2007-2008
Graduate Student Fellowship, Arizona State University, Tempe, AZ	2006
Wakonse-Arizona Fellowship, Arizona, USA	2006
SUN Award (Serving University Needs), Arizona State University, Glendale, AZ	2005
Exemplary Use of Technology in an Introductory Technology Course, Contemporary Issues in Technology and Teacher Education	2003
International Society for Technology in Education National Educational Technology Standards Distinguished Achievement Award	2002
Gama Beta Phi Society, Arizona State University (VP of West campus)	1999
Teacher Recognition Award, from Class of 2001, Agua Fria High School Avondale, AZ, USA	1998
Kappa Delta Phi Society, Arizona State University at the West campus	1998
"Super Owl" Award for Outstanding Work, Agua Fria Union High School District, Avondale, AZ, USA	1997
Teacher Recognition Award, Flagstaff, AZ, USA	1995

## SCHOLARSHIP AND RESEARCH

### Publications

#### PEER-REVIEWED JOURNAL ARTICLES

Williams, M. K. (submitted). Infusing teacher technology knowledge: A model for fostering digital literate students.

- Krauskopf, K., Williams, M.K. & Foulger, T. (under review). Probing tpack usability: a study of the graphic assessment of tpack instrument. [authors contributed equally to the development and writing of this article and rotate lead authorship]
- Williams, M.K. (2014). Where can storytelling take you? Student-created digital multimodal compositions. *Colorado Reading Journal*. 25 (Summer): 16-20.
- Savignano, M., Williams, M.K., Holbrook, J. (2014). Learning connections: Yes, your students can create games that land in the apple app store. *Learning and Leading with Technology*. 41 (5): 26-28.
- Foulger, T. S., Burke, D., Williams, M. K., Waker, M. L., Hansen, R., & Slykhuis, D. A. (2013). Innovators in teacher education: diffusing mobile technologies in teacher preparation curriculum. *Journal of Digital Learning in Teacher Education*, 30 (1). [first three authors contributed equally to the development and writing of this article]
- Charles, M., Burt, D., & Williams, M. K. (2010). Lessons from new zealand: developing student voices with technology. *Learning and Leading with Technology*. 28 (4): 22-25.
- Archambault, L., Wetzel, K., Foulger, T.S., & Williams, M. K. (2010). Professional development 2.0: transforming teacher education pedagogy with 21st century tools. *Journal of Digital Learning in Teacher Education*. 27 (1): 4-11.
- Williams, M.K., Foulger, T. & Wetzel, K. (2009). *Preparing preservice teachers for 21st century classrooms: transforming attitudes and behaviors about innovative technology*. Journal of Technology and Teacher Education. 17 (3), pp. 393-418. Chesapeake, VA: AACE.
- Wetzel, K., Foulger, T., & Williams, M.K. (2009). The evolution of the required educational technology course. *Journal of Computing in Teacher Education*. 25(2) 67-71.
- Foulger, T. S., Williams, M. K., & Wetzel, K. (2008). We innovate: The role of collaboration in exploring new technologies. *International Journal of Teaching and Learning in Higher Education*, [online serial], 20 (1), 28-38. Available: <http://www.isetl.org/ijtlhe/current.cfm>
- Foulger, T. S. & Williams, M.K. (2007). Filling the gap with technology innovations: Standards, curriculum, collaboration, success! *Journal of Computing in Teacher Education*, 23 (3), 91-98.
- Beckett, C., Wetzel, K., Chisholm, I., Zambo, R., Buss, R., Padgett, H., Williams, M. K., & Odom, M. (2006). Staff development to provide intentional language teaching Technology-rich K-8 multicultural classrooms. *Computers in the Schools*, 23(3/4), 23 -30.
- Kelley, M., Wetzel, K., Padgett, H., Williams, M.K. & Odom, M. (2004). Early Childhood Teacher Preparation and Technology Integration: The Arizona State University West Experience. *Information Technology in Childhood Education Annual, 2004*(1), 245-260. AACE. Available: <http://0-www.editlib.org.source.unco.edu/p/12901>.
- Wetzel, K., Wilhelm, L., & Williams, M. K. (2004). The introductory technology course: A tool for technology integration. *Contemporary Issues in Technology and Teacher Education* [Online serial], 3(4). Available: <http://www.citejournal.org/vol3/iss4/general/article4.cfm>
- Wetzel, K., Williams, M. K. (2004). Changing teacher education: Mission possible. *Journal of Computing in Teacher Education*. 21 (2) 45-49.
- Kelley, M., Wetzel, K., Padgett, H, Williams, M. K., & Odom, M. (2003). Early childhood teacher preparation and technology integration: The Arizona State University West experience.

*Contemporary Issues in Technology and Teacher Education* [Online serial], 3(1) (16 pages printed). Available: <http://www.citejournal.org/vol3/iss1/general/article5.cfm>

Beckett, E., Wetzel, K., Chisholm, I., Zambo, R., Buss, R., Padgett, H., Williams, M. K., & Odem, M. (2003). Supporting technology integration in k-8 multicultural classrooms through professional development. *TechTrends*, 47(5) 14-17.

#### INVITED ARTICLES

Williams, M. K. (2015). Augmented reality apps in teaching and learning. *Colorado Reading Journal*. 26 (Summer): 50-53.

Williams, M.K., Onieto, C., Schultz, L., & Wang, X. (2014) Best digital storytelling and photo manipulation apps for education. *Colorado Reading Journal*. 25 (Summer): 61-63.

Wetzel, K., Foulger, T. S., & Williams, M.K., (2009) JCTE editors interviewed the authors about issues raised in the article: The evolution of the required educational technology course. Available at [http://iste.libsyn.com/index.php?post\\_id=475324](http://iste.libsyn.com/index.php?post_id=475324) ISTE Casts Audio podcasts produced by the International Society for Technology in Education, Tue, 13 October 2009.

#### REFEREED PUBLISHED DATA BASE ARTICLES, CONFERENCE PROCEEDINGS AND PRESENTED PAPERS

Alqallaf, N. & Williams, M. (2015). Teachers' Perception about their Competency in Integrating Technology in Elementary Classrooms using the Technological Pedagogical Content Knowledge Framework (TPACK). In Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2015 (pp. 741-745). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Zeyab, A. & Williams, M. (2015). Students' Attitude Toward Watching Instructional Video via Mobile Device. In Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2015 (pp. 1665-1671). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Kyser, C., McKenna, K. & Williams, M.K. (2015). Writing and Relationships: Collaborating with International Students in a Hybrid Writing Workshop. In Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2015 (pp. 1499-1502). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Alhababi, H., Alfadil, M., Alzamanan, M. & Williams, M.K. (2015). Students' Perception on the Use of Social Media on Their Academic Learning. In Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2015 (pp. 1211-1217). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

McKenna, K., Schulz, L., Otieno, C., Wang, X. & Williams, M. (2015). Multiple Perspective Account of iPad Integration. In D. Slykhuis & G. Marks (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2015* (pp. 1672-1678). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

McKenna, K.N., Williams, M.K. (2015). Modeling Technology Integration in Policies and Practice. In D. Slykhuis & G. Marks (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2015* (pp. 1371-1377). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

- Schulz, L., McKenna, K., Otieno, C., Wang, X. & Williams, M. K. (2015). Enhancing Preservice Teachers' Self-efficacy and Skills for Mobile App Integration in Teaching and Learning Practices. In D. Slykhuis & G. Marks (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2015* (pp. 1732-1739). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Williams, M. K. (2014). Visions of innovative pedagogy in 9-12 STEAM classrooms. Paper Presented at the ISTE 2014 Conference. International Society for Technology in Education. Atlanta: GA.
- DeSimone, C., Williams, M. K. & Youngs, S. (2014). *Designing multimodal texts: An adventure in storytelling*. Paper Presented at the ISTE 2014 Conference. International Society for Technology in Education. Atlanta: GA
- Williams, M.K., Diteeyont, W., Otieno, C., Schulz, L. & Wang, X. (2014). An Examination of Teacher Candidates' Learning and Innovation Skills Developed in a Flipped Classroom. In M. Searson & M. Ochoa (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2014* (pp. 507-511). Chesapeake, VA: AACE.
- DeSimone, C. & Williams, M. (2014). Transitioning from Traditional Writing to Digital Design. In M. Searson & M. Ochoa (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2014* (pp. 2459-2463). Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
- Williams, M. K. (2013). *Innovative pedagogy to develop 21st century skills in STEM content*. Paper Presented at the ISTE 2013 Conference. International Society for Technology in Education. San Antonio: TX.
- Williams, M.K., Diteeyont, W., Genet, D. & Wang, X. (2013). Building creativity through constructive pedagogy in an online teacher preparation course. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 1137-1142). Chesapeake, VA: AACE.
- Krauskopf, K., Williams, M.K. & Foulger, T. (2013). Probing TPCK Usability – a Pilot Study on (not) Understanding TPCK by a Venn-Diagram. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 2198-2204). Chesapeake, VA: AACE.
- Williams, M. K. (2012). Thinking creatively in an online teacher preparation course. Paper presented at ISTE 2012 Conference. International Society for Technology in Education. San Diego: CA.
- Foulger, T., Krauskopf, K. & Williams, M.K. (2012). Is Integrating Technology Like Learning to Ride a Bike? Soliciting Input from Colleagues About a Study to Investigate the Developmental Aspects of TPACK. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 4690-4695). Chesapeake, VA: AACE.  
Retrieved from <http://www.editlib.org/p/40350>.
- Lee, K., Williams, M.K. & Kim, K. (2012). Learning through social technologies: facilitating learning experiences with Web 2.0 social media. In P. Resta (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2012* (pp. 560-565). Chesapeake, VA: AACE.  
Retrieved from <http://www.editlib.org/p/39630>.

- Williams, M.K., Foulger, T., Laughlin, T. & Lin, T. (2011). Integrating TPACK into preservice teachers' learning experiences. *Presented Paper at the ISTE 2011 Conference*. Philadelphia, PA: International Society for Technology in Education.
- Williams, M.K., Wetzel, K., Foulger, T., Kisicki, T. & Giacumo, L. (2011). Explicitly addressing TPACK in preservice teacher curriculum. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 4429-4434). Chesapeake, VA: AACE.
- Wu, Y.F., Bauer, J., Gall, J. & Williams, M. (2011). An exploration of concise-redundancy design in multimedia learning. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 3414-3418). Chesapeake, VA: AACE.  
Retrieved from <http://www.editlib.org/p/36849>.
- Diteeyont, W. & Williams, M.K. (2011). Learner and instructor satisfaction with E-learning applications in an online teacher preparation course. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 234-236). Chesapeake, VA: AACE.  
Retrieved from <http://www.editlib.org/p/36265>.
- Williams, M.K. & Hailu, T. (2011). Experiences of online learning in a preservice teacher preparation course. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 839-841). Chesapeake, VA: AACE.  
Retrieved from <http://www.editlib.org/p/36383>.
- Diteeyont, W., Ku, H.Y. & Williams, M. (2011). Examination of appropriate E-Learning application and resources from reflections of learner and instructor within an online collaborative learning environment. In *Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2011* (pp. 604-607). Chesapeake, VA: AACE. Retrieved from <http://www.editlib.org/p/38776>.
- Williams, M. K. (2010) Reflections of Preservice Teachers' Journey Through Building TPACK. *Presented Paper at the ISTE 2010 Conference*. Denver, CO: International Society for Technology in Education. Available at: [http://center.uoregon.edu/ISTE/2010/program/search\\_results\\_details.php?sessionid=50107754&selection\\_id=59500167&rownumber=11&max=14&gopage=](http://center.uoregon.edu/ISTE/2010/program/search_results_details.php?sessionid=50107754&selection_id=59500167&rownumber=11&max=14&gopage=)
- Williams, M. K., Wetzel, K. & Foulger, T. S. (2010) No Laggards Left Behind! Roger's Diffusion of Innovation and TPACK. *Presented Paper at the ISTE 2010 Conference*. Denver, CO: International Society for Technology in Education. Available at: [http://center.uoregon.edu/ISTE/2010/program/search\\_results\\_details.php?sessionid=5000655&selection\\_id=59500167&rownumber=10&max=14&gopage=](http://center.uoregon.edu/ISTE/2010/program/search_results_details.php?sessionid=5000655&selection_id=59500167&rownumber=10&max=14&gopage=)
- Williams, M. K. (2010) Navigating Régimes of Truth About Information and Communication Technology in a Teacher Preparation Program. *Annual Convention of the American Educational Research Association*, Denver, CO: April 30- May 4.
- Williams, M.K., Foulger, T. & Wetzel, K. (2010). Aspiring to Reach 21st Century Ideals: Teacher Educators' Experiences in Developing Their TPACK. In D. Gibson & B. Dodge (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2010* (pp. 3960-3967). Chesapeake, VA: AACE.
- Arcambault, L., Foulger, T.S., Wetzel, K., Williams, M.K. (2009) Professional development 2.0: Transforming university pedagogy with 21<sup>st</sup> century tools. *Proceedings of the National Educational Computing Conference*. Washington, DC: International Society for Technology in Education.

- Foulger, T. S., Williams, M.K., Wetzel, K. (2008) Innovative Technologies, Small Groups, and a Wiki: A 21st-Century Preservice Experience Founded on Collaboration. *Proceedings of the National Educational Computing Conference*. San Antonio, TX: International Society for Technology in Education.
- Williams, M.K., Foulger, T.S., Wetzel, K. (2008). Creating 21<sup>st</sup> century teachers: Preservice experience for shifting attitudes and long-term behaviors with technology. *Annual Convention of the American Educational Research Association*, New York, NY: March 24-28.
- Williams, M. K. (2008). Preservice Teachers' Pedagogical Perspectives about Incorporating Information and Communication Technologies into their Future Classrooms. In K. McFerrin et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2008* (pp. 4015-4022). Chesapeake, VA: AACE
- Grove, K., Foulger, T., Wetzel, K., Archambault, L., Williams, M. & Strudler, N. (2008). Diffusing Innovations: Sharing University Assignments. In K. McFerrin et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2008* (pp. 3763-3768). Chesapeake, VA: AACE.
- Williams, M.K., Foulger, T. & Wetzel, K. (2007). Creating Innovators: Can the Exploration of New Technologies in Teacher Education Programs Develop Early Adopters?. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2007* (pp. 1733-1738). Chesapeake, VA: AACE.
- Williams, M.K. & Foulger, T. (2006) Filling the Gap with Technology Innovations: Standards, Curriculum, Collaboration, Success! *Proceedings of the National Educational Computing Conference*. San Diego, CA: International Society for Technology in Education.  
[http://web.uoregon.edu/ISTE/uploads/NECC2006/KEY\\_13698760/Williams\\_fillingthegapfinalnecc\\_RP.pdf](http://web.uoregon.edu/ISTE/uploads/NECC2006/KEY_13698760/Williams_fillingthegapfinalnecc_RP.pdf)
- Williams, M.K. & Kelley, M. (2005). Moving Forward: Using eFolios for Program Assessment and Accreditation in an Elementary Education Teacher Preparation Program. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2005* (p. 247). Chesapeake, VA: AACE.
- Williams, M.K. & Carter, H. (2005). Using Technology to Engage Preservice Teachers in Developing Perceptions of Teacher Identity. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2005* (pp. 1089-1090). Chesapeake, VA: AACE.
- Williams, M.K., Wetzel, K. & Wilhelm, L. (2004). Trials and Tribulations of Reflective Practices in Preservice Teacher Electronic Portfolios. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2004* (pp. 301-306). Chesapeake, VA: AACE.
- Stirling, D., Williams, M. & Padgett, H. (2004). Investigating the Effectiveness of Video Case Use in Teacher Education. In C. Crawford et al. (Eds.), *Proceedings of Society for Information Technology and Teacher Education International Conference 2004* (pp. 2663-2668). Chesapeake, VA: AACE.
- Clark, P., Topp, N., Wetig, S., Williams, M. K., Wetzel, K., & Wilhelm, L. (2004) Two paths to enlightenment: Total integration vs. the required educational technology course as a means to teach technology integration. In R. Ferdig & C. Crawford (Eds.), *Technology and teacher education annual, 2004: Proceedings of the fifteenth international conference of the Society of Informational Technology and Teacher Education*. (pp. 4287-4289). Charlottesville, VA: Association for the Advancement of Computing in Education.

- Wetzel, K. & Williams, M. K. (2003). Evaluating preservice student progress toward the NETS-T. In C. Crawford, N. Davis, J. Price, & D. Willis. (Eds.) *Technology and Teacher Education Annual* (pp. 210 - 213) Norfolk, VA: Association for the Advancement of Computing in Education.
- Wetzel, K. & Williams, M. K. (2003). Changing teacher education faculty: Mission possible. *Proceedings of the National Educational Computing Conference*. Eugene, OR: International Society for Technology in Education.
- Beckett, E., Wetzel, K., Chisholm, I., Padgett, H., Williams, M. K., & Zambo, R. (2002) Preservice and inservice teachers collaborating with technology in K-8 multicultural classrooms: Year 2. In D. Willis, J. Price, J. Willis (Eds.) *Technology and Teacher Education Annual* (pp. 1501-1507) Charlottesville, VA: Association for the Advancement of Computing in Education.

### Conference Presentations

- Williams, M. K., Kyser, C. and Youngs, S. (2015). Infusing teacher technology knowledge: A model for fostering digital literate students. ISTE2015. Philadelphia, PA.
- Kyser, C. Youngs, S. & Williams, M. K. (2015). Designing new interpretations: Innovative Practices in a children's literature course. In D. Slykhuis & G. Marks (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2015* (pp. 1672-1678). Chesapeake, VA: AACE.
- DeSimone, C. & Williams, M. (2014). Transitioning from Traditional Writing to Digital Design. In M. Searson & M. Ochoa (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2014* (pp. 2459-2463). Chesapeake, VA: AACE.
- DeSimone, C. & Williams, M.K. (2013) Learning Station Session: Reflective Coaching: Using Digital Video to Improve Teacher Practice. Session presented at the ISTE 2013 Conference. San Antonio, TX.
- Cunningham, A., Foulger, T., Hansen, R., Williams, M.K., Schmidt, D. Smith, A., & Wetzel, K. (2011). TPACK in teacher education: Innovative models that work. Panel presented at the ISTE 2011 Conference. Philadelphia, PA.
- Diteeyont, W., Ku, H. Y., & Williams, M. K. (2011) Examining of appropriate e-learning application and resources from reflections of learner and instructor within an online collaborative learning environment. Associate for the Advancement of Computing in Education (AACE E-Learn), Honolulu, HI.
- Charles, M., Borthwick, A., with panelists Burt, D., Cunningham, A., McPherson, S., & Williams, M. K. (2010) Lessons Learned from the SIGTE 2010 New Zealand Study Tour. Panel presented at the ISTE 2010 Conference. Denver, CO.
- Williams, M. K. (2010) Building Collaborative Teacher Knowledge Through Web 2.0 Supported Learning Communities. Session presented at Learning@Schools education conference. Rotorua, New Zealand: CORE Education.
- Williams, M. K. & Youngs, S. (2010) Expanding Historical and Literary Understandings Through Multimodal Representations. Session presented at the Colorado Language Arts Society (CLAS) conference. Denver, CO.
- Williams, M. K., Carter, H., Wise, C. (2009) Engaging Urban K-12 students in Natural Sciences: A Community Partnership. Session presented at What Works in Educational Partnerships



Conference. Phoenix, AZ: Arizona State University, Office of the Vice President for Education Partnerships.

Foulger, T.S., Williams, M.K., Wetzel, K. (2008) SIGTE Research Paper Award: Innovative Technologies, Small Groups, and a Wiki: A 21st-Century Preservice Experience Founded on Collaboration. Award spotlight session presented at National Educational Computing Conference. San Antonio, TX: International Society for Technology in Education

Wetzel, K., Foulger, T., Williams, M.K. (2007) Preservice students of tomorrow: Bridges to the use of new technologies. Poster presented at National Educational Computing Conference. Atlanta, GA: International Society for Technology in Education.

Williams, M.K. (2006) Using images and video for teacher development, Part 1: Identity. Concurrent Session presented at the National Educational Computing Conference. San Diego, CA: International Society for Technology in Education.

Williams, M.K. (2006) Using preservice teacher eFolios for program review and accreditation. Poster presented at the National Educational Computing Conference. San Diego, CA: International Society for Technology in Education.

Foulger, T.S., Williams, M.K., Lewallen, G., & Wetzel, K. (2006) Visioning. Presented at the Teaching and Learning Fair. Glendale, AZ: Arizona State University at the West campus.

Williams, M.K. (2004) Electronic portfolio project using TaskStream. Concurrent session presented at the Assessment and Technology Forum: Promising Practices that Support Student Learning Workshop of the National Educational Computer Conference. New Orleans, LA: International Society for Technology in Education.

Crockett, K., Williams, M.K., Barfoot, H., & Prescott, D. (2004) Assessment tools, digital portfolios, and accreditation. Session Presented at the ISTE Assessment and Technology Forum: Promising Practices that Support Student Learning at the National Educational Computer Conference. New Orleans, LA: International Society for Technology in Education.

Williams, M. K., & Wetzel, K. (2003) Electrified! Using standards based ePortfolios for preservice teacher assessment. Concurrent session presented at the National Educational Computing Conference. Seattle, WA: International Society for Technology in Education.

Wetzel, K. & Williams, M. K. (2003). A model for course development through student evaluation. Poster presented at the ASU West Faculty Research Poster Session. Glendale, AZ: Arizona State University

Wetzel, K., Williams, M. K., Padgett, H. & Odom, M. (2002) It takes a village to create fearless users of technology. Session presented at the National Educational Computing Conference. San Antonio, TX: International Society for Technology in Education.

### **Funded Grants**

Williams, M.K. (2015). Presenting Technology Innovations at eLearn Conference. \$2,964. Provost Office Travel Award, University of Northern Colorado.

Williams, M.K. (2013). *Developing Digital Evaluation Instruments for Multimodal Literacies and 21st Century Skills*. \$2,993. Summer Support Initiative (SSI) for Research, Scholarship, Creative Works, and Grant Writing.

Williams, M.K (2013). Building Creativity through Constructive Pedagogy in an Online Teacher Preparation Course. \$1,800. Provost Office Travel Award, University of Northern

Colorado.

- Williams, M. K. (2012). Innovative Pedagogy to Develop 21st Century Skills in P-12 STEM Content. \$7,370. University of Northern Colorado: RDFD.
- Williams, M. K. (2012) Innovative Pedagogy Development in the Online Educational Studies EdD. \$2,180. Innovation Grant. University of Northern Colorado: School of Teacher Education.
- Williams, M. K. (2011) Preparing 21<sup>st</sup> Century Teacher Educators to Teach and Learn with Web 2.0 Technologies. \$6,050. Innovations Grant. University of Northern Colorado: School of Teacher Education.
- Phillips, M. & Williams, M.K. (2010). Enriching Teacher Candidates Learning Experiences with Technology – The Integration of Whiteboards in Teacher Education Classrooms. \$50,000. The Morgridge Family Foundation.
- Williams, M.K. (2009). Building Collaborative Teacher Knowledge through Web 2.0 Tools. \$3,035. Provost Office Travel Award, University of Northern Colorado.
- Wetzel, K., Foulger, T.S., Williams, M.K., Archambault, L. (2007). Preparing 21<sup>st</sup> Century Elementary Education Teacher Educators to Teach and Learn with Social Networking Tools. \$8700. Excellence in Research Award. College of Teacher Education and leadership, Arizona State University.
- Foulger, T. & Williams, M.K. (2005) Filling the Gap with Innovations. \$12,000. College of Teacher Education and Leadership, Arizona State University at the West campus.
- Hansen, C. C., Hinde, E., Zambo, R., William, M.K. (2005). Arizona Classrooms of Tomorrow Today: Integrating Technology in the Content Areas. \$60,000. Arizona Board of Regents Improving Teacher Quality Grant Program.
- Hansen, C., Painter, S., Wilhelm, L., Williams, M.K., Zambo, R. Arizona Classrooms of Tomorrow Today. \$60,000, Arizona Board of Regents (ABOR). February 2004- February 2005.
- Wetzel, K., Zambo, R., Wilhelm, L., Williams, M. K., and Painter, S. Arizona Classroom of Tomorrow Today: Integrating Technology Across the Curriculum. \$50,000, Arizona Board of Regents (ABOR) Improving Teacher Quality Competition. Feb. 15 2003- Feb. 14, 2004.
- Wetzel, K., Wilhelm, L., Williams, M.K. Re-designing COE 313 to Include Online Support. \$13,000. Instructional Development and Support Grant. Arizona State University West. May 5, 2003-May 4, 2004.

### **Unfunded Grants**

- Research: The Flipped Class Academy (proposal prepared for submission to 2013 National Science Foundation (NSF 1238245) Grant Program \$999,699
- Program Development: Literacy, Innovation and Technology in Education (LITE) Research Center and Design Studio: A Proposal for Community Based Academic Programs and Collaborative Research. I@UNC Program
- Research: Arizona Classrooms of Tomorrow Today (AZCOTT) Integrating Technology into the Content Areas (proposal prepared for submission to 2006 ABOR Improving Teacher Quality Grant Program ~\$200,000).

## Workshops

Augmented Reality for Literacy Composition. Eagle County Schools. Breckenridge, CO, 2015.

Inquiry, Argument, Narrative and Exposition: Mentor Texts and Multimodal Compositions. ISTE 2015. Philadelphia, PA, 2015.

Digital Storytelling. Weld County CCIRA. Greeley, CO, 2014.

Digital Design Summer Camp. Boys and Girls Club of Weld County, Greeley, CO, 2014

## TEACHING

### Courses Taught at University of Northern Colorado

Applications of Educational Technology (ET 501)  
Technology in Education- Elementary/Secondary (ET 247/249)  
Educational Technology Applications for Elementary/Secondary Teaching (ET 347/349)  
Concepts of Schooling (EDF 366)  
Social Foundations of Education (EDF 370)  
Introduction to Research Literature (EDF 670)  
History of Educational Reform (EDF 775)  
Doctoral Seminar- Educational Studies (EDF 701)  
Technology, Innovation and Education (EDF 787)  
Implementation and Evaluation of Curriculum (EDF 700)  
Social Media and Culture (ET 695- special topics)  
Integration of Technology in Secondary Education Pedagogy (ET 449)  
Gaming and Simulations in Education (ET 627)  
Multimedia Design for Education (ET 628)  
Doctoral Seminar I & II (ET 782/784)

### Courses Taught at Arizona State University

#### Teacher Education

American Education System (TEL/EDA 505)  
Educational Technology in the K-12 Curriculum (TEL 313-hybrid)  
Instruction and Management in the Inclusive Classroom (TEL 311)  
Working with Diverse Student Populations (EDA 598)  
Case Studies in Educational Problems (EDT 549-online)  
Science Methods (EED 411)  
Technology in Math & Science/Language Arts & Social Studies (EDT 548/547)

#### Lower Division

Computer Literacy (CSE 180)  
Understanding the Culturally Diverse Child (TEL 212)

### Courses Taught in K-12

Earth Science (physical, geology, astronomy)  
Scientific Discovery (inquiry/research methods)  
Space Exploration  
American Literature  
Freshman English (composition and short stories)

## SERVICE

### International/National

Board of Directors, International Society of Technology in Education

2013-2015

Secretary 2014-15 Secretary 2015-16	
Leadership Team, Teacher Education Network, International Society of Technology in Education (ISTE)	2013-2015
Review Chair, International Society of Technology in Education (ISTE) Conference program for ISTE 2013	2012-2013
Member, Voices Carry Advocacy Advisory Committee International Society of Technology in Education (ISTE)	2012-2014
Communications Officer, International Society of Technology in Education (ISTE) Special Interest Group for Teacher Education.	2011-2013
Editorial Review Board Member, Journal of Digital Learning in Teacher Education (JDLTE)	2010-2015
Reviewer, Education Policy Analysis Archives (EPAA/AAPE)	2011-2012
Reviewer, Journal of Educational Research and Innovation (JERI)	2010-2013
Chair, Graduate Student Scholarship Award Committee, SIGTE, International Society of Technology in Education (ISTE)	2009-2013
Member, Book Study Committee, SIGTE, International Society of Technology in Education (ISTE)	2009-2010
Reviewer, Research Papers for American Education Research Association (AERA) Annual Meeting.	2006, 2008-10
Reviewer, Research Papers for ISTE Conference International Society of Technology in Education (ISTE)	2010-2015
Reviewer, Research Papers for National Educational Computing Conference (NECC), International Society of Technology in Education (ISTE)	2005-2010

## Community

Facilitator/Researcher, Boys and Girls Club of Weld County, Weld County Digital Design Summer Camp (Digital Storytelling, STEM)	2013-2014
Volunteer, Eaton Middle School, Eaton, Weld County District 2	2013-2014
Volunteer, Range View Elementary, Windsor, Weld County District 4	2011-2012
Volunteer, Monfort Elementary, Greeley, Weld County District 6	2010
Consultant, Shadow Rock Preschool	2007
Technology support, Madison #1 Middle School SUCCESS Project (SUCCESS = Support, Understanding, and Community Commitment Ensure Student Success)	2004-05
Web designer/consultant, Shadow Rock Preschool	2005-06

Curriculum expert & technology support, Arizona Classrooms  
of Tomorrow Today Project 2002-06

Volunteer and event coordinator, Arizona Science Olympiad 2001-03

## **Campus**

### University of Northern Colorado

Program Coordinator, Educational Technology, CEBS 2014-2016

Program Coordinator, Education Studies EdD, School of Teacher Education 2010-2014

Senator, University of Northern Colorado Faculty Senate, Campus  
Codification Committee, University Technology Committee 2012-2016

Member, STEP CC Committee, Campus 2010-2014

Member, Reengineering Teacher Preparation Committee, CEBS/Dean Sheehan 2011-2012

Member, Faculty Perceptions of Administrators Committee, Campus 2011-2013

Member, SCED Committee, Campus 2011-2013

Member, UNC Innovative Technology Committee, Campus 2010-2014

Member, McNair Editorial Board, Campus 2010-2011

Member, Evaluations Committee, School of Teacher Education  
Chair, 2013-14 2010-2014

Member, Academic Appeals Board, Campus 2010-2011

Program Coordinator, Curriculum, Innovations, and Educational Reform  
Cohort, Education Studies EdD, School of Teacher Education 2009-2010

Member, Digital Arts and Literacies group, Campus 2009

### Arizona State University

Program Coordinator, Master's and Certification (MAC) Program,  
CTEL and Teach for America 2008-2009

Course Coordinator, Curriculum and Instruction, CTETL 2009

Member, CTETL Data Steering Committee 2007-2009

Member, CTETL Innovative Curriculum Committee 2007-2009

Member, CTETL Distance Education Summit Committee 2007-2008

Program Coordinator, CTETL Student Achievement/Electronic Portfolio Project 2007-2008

Coordinator, Elementary Education Electronic Portfolio Project 2004-2008

Member, CTETL Elementary Education Accreditation Team 2006-2007

Member, CTEL Educational Technology (TEL 313) Course Planning Committee	2002-2008
Member, CoE Technology Committee	2001-2002
<u>Agua Fria Union High School District</u>	
Teacher-leader, Teaching Strategies w/ Technology	1999-2000
Sponsor, National Honor Society	1999-2000
Spirit Line Head Coach	1997-2000
Committee Member, District Technology Committee	1997-2000
Sponsor, Freshman Class	1996-2000
Assistant Track Coach	1997
<u>Flagstaff Unified School District</u>	
Assistant Track Coach	1996
Speech & Debate Team Sponsor	1995-96

### **Professional Memberships**

- American Association for the Advancement of Curriculum Studies (AAACS)
- American Education Research Association (AERA)
  - Division B: Curriculum Studies
  - Division K: Teaching and Teacher Education
  - SIG- TACTL
- Association for the Advancement of Computing in Education (AACE)
- International Society for Technology in Education (ISTE)
  - SIG-Teacher Education
  - SIG- Digital Equity
- International Visual Sociology Association (IVSA)
- Society of Information Technology and Teaching Education (SITE)

### **Graduate Advising: Dissertations**

\* recipient of the Graduate Deans Outstanding Dissertation Award

^ recipient of the Graduate Deans Citation of Excellence

\*2015 Dennis Armstrong, The effectiveness, usability, and motivational characteristics of using animated role-playing situational simulation programs for air war college distance learning curriculum, *research advisor/chair*

\*^2015, Akio Yamanaka, Exploring a culture of learning with technology: An ethnographic content analysis of the activity of learning with educational iPad apps, *committee member*

2015, Abdulaziz Alenizi, Use of photography to support the learning process of science teachers of ninth through twelfth grades in the schools of Kuwait, *research advisor/chair*

2015, Peggy Ursay, The journey within: Discovering the sense of becoming, *faculty representative*

2014, Jim Copeland, Implementation of an Inter-District Curriculum Consortium Among 10 Rural School Districts In Colorado: A Case Study, *research advisor/chair*

2014, Keno Nagasa, Perspectives Of Elementary Teachers and Ethiopian Immigrant Parents on Parent-Teacher Relations and the Education Of Ethiopian Children, *committee member*

2014, *Betty Ebrechet*, A case study of classroom blogging in the support of third through fifth grade literacy and technology skills, *committee member*

2014, Miriam Carrasquel-Nagy, Online attrition in a community college: Are low-income students at a disadvantage? *committee member*

2014, Tekleab Hailu, Adaptation and academic adjustment of first generation immigrant students from the Horn of Africa to higher education learning in the United States, *committee member*

\*^2014, Christine Desimone, Students as Designers: Implementing a Pedagogy of Multiliteracies in A Third-grade Design Workshop, *research advisor/chair*

2014, Valerie Calvert, The Principalsip: Leveraging Leadership Strengths to Successfully Navigate Complex Public School Settings, *research advisor/chair*

2014, Tara Laughlin, 21<sup>st</sup> Century Pedagogy: Integrating 21<sup>st</sup> Century Skills into Literacy Content in a Sixth Grade English Classroom, *research advisor/chair*

2014, Kevin Atkin, Schoolwide Positive Behavior Supports in a Comprehensive High School: Teachers' Core Beliefs, *committee member*

2014, *Daniel Conn*, Attending to Growth: Implications of the Colorado Growth Model for Three Rural Schools, *committee member*

\*^2013, Watsatree Diteeyont, Examination of Creativity and Development of Technology Integration Skills of Preservice Teachers within Online Education, *research advisor/chair*

2013, Tina Errthum, In Their Words: Teachers' Journey to Sustainable Direct Instruction Implementation, *research advisor/chair*

\*^2013, Ann Henderson, Effect of Visual Metaphor on Cognitive Load in Nursing Education Content for Pre-Clinical Nursing Students, *research advisor/chair*

2013, Nicholas Eastham, Asynchronous Collaborative Exam Preparation: Working or Waiting in Wiki, *research advisor/chair*

\*2012, James Hutchinson, A Theoretical Approach To Legitimizing Collaboratively Constructed Knowledge: A Content Analysis of Wikipedia Science Articles Based On Accidental Collaboration, *research advisor/chair*

\*^2012, Chatchada Akarasriworn, Students' Knowledge Construction and Attitudes toward Synchronous Videoconferencing in an Online Collaborative Problem-based Learning Environment, *committee member*

2011, Shani Shillingford, Preservice Teachers' Self Efficacy and Knowledge of Emotional and Behavioral Disorders, *faculty representative*

2011, Yu Feng Wu, An Exploration of Concise Redundancy in Online Multimedia Learning, *committee member*