

Curriculum Vitae
Deborah (Debbie) Dailey

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Educational Background

- 2013 Ed.D., University of Arkansas at Little Rock, Little Rock, AR
Major: Education Administration and Supervision
- 2006 G.C. Harding University, Searcy, AR
Gifted and Talented Education Certificate
- 1988 M.S.E., Arkansas State University, Jonesboro, AR
Major: Biology
- 1985 B.S.E., Arkansas State University, Jonesboro, AR
Major: Biology, General Science
Co-Emphasis: Chemistry

Academic Positions

- 2016- Program Coordinator, Gifted and Talented graduate program
- 2014 - Director, STEMulate Engineering Academy, University of Central Arkansas
- 2013 - Assistant Professor of Education, University of Central Arkansas
- 2012-2013 Associate Director of the Jodie Mahony Center for Gifted Education, University of Arkansas at Little Rock
- 2012-2013 Faculty (Non-tenure Line: Adjunct), Department of Educational Leadership, University of Arkansas at Little Rock
- 2009-2013 Curriculum Coordinator and Peer Coach, STEM Starters, Jodie Mahony Center for Gifted Education, University of Arkansas at Little Rock

Research/Project Affiliations

- 2015- Principal Investigator (1 of 3), *STEMulate Engineering Academy*. We are currently investigating the impact of STEMulate Engineering Academy on students' engineering knowledge, skills, spatial skills, and perceptions.
- 2014-2016 External Evaluator, *Science Education through Engineering Design (S.E.E.D.)*, Arkansas Department of Higher Education funded; evaluation services funded on behalf of the University of Arkansas at Little Rock—STEM Center (grantee)
- 2009-2013 Project Coordinator, *Project STEM Starters*, United States Department of Education funded; on behalf of the University of Arkansas at Little Rock (grantee).
- 2012-2013 Research Associate, *Advanced Placement Institutes and Preservice Teachers*, Arkansas Department of Education funded; on behalf of the University of Arkansas at Little Rock (grantee).

K-12 Educational Positions

- 2007-2009 Gifted and Talented Facilitator (grades 5-8); ASCIP Chair, Beebe Middle School, Beebe School District, Beebe, AR
- 2003-2007 Gifted and Talented Facilitator (grades K-4); Science Lab Instructor, Beebe Elementary School, Beebe School District, Beebe, AR
- 1998-2003 High School Chemistry and Physics Instructor; Beebe High School, Beebe School District, Beebe, AR
- 1992-1998 High School Biology and Physics Instructor; McGehee High School, McGehee School District, McGehee, AR
- 1988-1989 High School Biology Instructor; West Memphis High School, West Memphis School District, West Memphis, AR
- 1986-1988 High School Biology and Physics Instructor; Harrisburg High School, Harrisburg School District, Harrisburg, AR

Arkansas K-12 Teaching Certification

Secondary Certification (Grades 7-12)

General Science (code 131), Life / Earth Science (code 170), Applied Biology/Chemistry 1 & 2 (codes 6527, 6528), Chemistry (code 6530), Physics (code 6540), AP Physics (code 6543), Gifted and Talented (code 306)

Elementary Certification (Grades P-06)

Gifted and Talented (code 305)

National Refereed / Peer Reviewed Journal Publications

- Jordan, K. J., Tsai, P., Heo, S., Bai, S., Dailey, D., Beck, C. K., . . . Greenwood, R. L. (accepted). Feasibility of testing a coaching training intervention for CNAs in nursing homes. *Geriatric Nursing*.
- Trumble, J., & Dailey, D. (accepted). Change in spatial visualization mental rotation abilities of intermediate elementary students. *Journal of Computers in Mathematics and Science Teaching*.
- Dailey, D., Cotabish, A., & Jackson, N. (2018). Increasing early opportunities in engineering for advanced learners in elementary classrooms. *Journal for the Education of the Gifted* (Special STEM issue) 41(1), 93-105. <https://doi.org/10.1177/0162353217745157>.
- Dailey, D., Jackson, A., Cotabish, A., & Trumble, J. (2018). STEMulate engineering academy: Engaging students and teachers in engineering practices. *Roeper Review*, 40(2), 97-107 (Special STEM issue).
- Cotabish, A., Dailey, D., Coxon, S., Adams, C., & Miller, R. (2017). The Next Generation Science Standards and High-Ability Learners [Unsolicited Selection for Special Issue: Best of the Best Manuscripts: Teaching for High Potential – 10 Year Anniversary Edition]. *Teaching for High Potential*.
- Dailey, D. (2017). Using engineering design challenges to engage elementary students across multiple content areas. *Gifted Child Today*, 4(3), 137-143. DOI: <https://doi.org/10.1177/1076217517707236>

- Dailey, D., Cotabish, A., & Jackson, N. (2017). Articulating multiple standards in the gifted education classroom: An instructional planning approach to navigating standards. *Teaching for High Potential*, 8-10. Retrieved from: https://www.nagc.org/sites/default/files/THP_February2017.pdf
- Dailey, D. & Robinson, A. (2017). Improving and sustaining elementary teachers science teaching perceptions and process skills: A post intervention study. *Journal of Science Teacher Education*, 28(2), 169-185.
- Jordan, K. J., Tsai, P., Heo, S., Bai, S., Dailey, D., Beck, C. K., . . . Greenwood, R. L. (2017). Pilot testing a coaching intervention to improve certified nursing assistants' dressing of nursing home residents. *Research in Gerontological Nursing*, 10(6), 267-276.
- Wake, D., Dailey, D., Cotabish, A., & Benson, T. (2017). Virtual bugs and coaching: Teacher candidate's perceptions and concerns regarding on-demand corrective feedback. *Journal of Technology and Teachers Education*, 25(3), 327-357.
- Dailey, D., & Robinson, A. (2016). Elementary teachers: Concerns about implementing a science program. *School Science and Mathematics*, 116(3), 139-147.
- Bunn, G., Dailey, D., & Cotabish, A. (2015). STEMteach: Preparing the next generation of mathematics and science teachers. *Journal of Mathematics and Science: Collaborative Explorations*, 15(Spring 2015), 147-155.
- Dailey, D., Bunn, G., & Cotabish, A. (2015). Answering the Call to Improve STEM Education: A STEM Teacher Preparation Program. *Journal of the National Association of Alternative Certification*, 10(2), 3-16.
- Cotabish, A., Dailey, D., Coxon, S., Adams, C., & Miller, R. (2014). The Next Generation Science Standards and high ability learners. *Teaching for High Potential*, Winter 2014(1), 16-18.
- Dailey, D. (2014). Refrigerator science: Home science activities. *Parenting for High Potential*, 3(7), 4-9.
- Robinson, A., Dailey, D., Hughes, G., & Cotabish, A. (2014). The effects of a science-focused STEM intervention on gifted elementary students' science knowledge and skills. [STEM Special issue]. *Journal of Advanced Academics*, 25(3), 189-213.
- Cotabish, A., Dailey, D., Robinson, A., & Hughes, G. (2013). The effects of a STEM intervention on elementary students' science knowledge and skills. *School Science and Mathematics*, 113(5), 215-226.
- Dailey, D., Cotabish, A., & Robinson, A. (2013). A model for STEM talent development: Peer coaching in the elementary science classroom. *TEMPO*, 4(33), 15-19
- Cotabish, A., Dailey, D., Hughes, G., & Robinson, A. (2011). The effects of a STEM professional development intervention on elementary teachers' science process skills. *Research in the Schools*, 18(2), 16-25.

Books

- Dailey, D. (in press: Jan. 2019). *Thinking like an engineer: Lessons that develop habits of mind and thinking skills for young engineers in grade 4*. Waco, TX: Prufrock Press & College of William and Mary Center for Gifted Education.
- Dailey, D., & Cotabish, A. (Eds.). (2017). *Engineering instruction for high ability learners in K-8 classrooms*. [Service publication for the National Association for Gifted Children and Council of Exceptional Children- The Association of the Gifted]. Waco, TX: Prufrock Press.
- Dailey, D., & Kohler-Evans, P. (Eds.). (2017). *Coaching innovations: Providing instructional support anywhere, anytime*. Lanham, MD: Rowman and Littlefield.

- Adams, C., Cotabish, A., & Dailey, D. (2015). *A teacher's guide to using The Next Generation Science Standards with gifted and advanced learners in science*. [Service publication on behalf of the National Association for Gifted Children]. Waco, TX: Prufrock Press.
- Johnsen, S., Jolly, J., Cotabish, A., Robinson, A., VanTassel-Baska, J., & Dailey, D. (2015). *Using the NAGC-CEC Teacher Preparation Standards in the CAEP accreditation process* [Service publication on behalf of the National Association for Gifted Children]. Waco, TX: Prufrock Press.

Book Chapters

- Buchanan, M., & Dailey, D. (2017). Integrating engineering design processes into classroom curriculum. In D. Dailey and A. Cotabish's (Eds.) *Designing innovative engineering instruction for high ability learners in K-8 classrooms* (p. 121-138). [Service publication for the National Association for Gifted Children and Council of Exceptional Children- The Association of the Gifted]. Waco, TX: Prufrock Press.
- Dailey, D., & Cotabish, A. (2017). Introduction. In D. Dailey and A. Cotabish (Eds.) *Designing innovative engineering instruction for high ability learners in K-8 classrooms* (p. 3-8). [Service publication for the National Association for Gifted Children and Council of Exceptional Children- The Association of the Gifted]. Waco, TX: Prufrock Press.
- Dailey, D. (2017). Coaching to improve teachers' instructional practices. In D. Dailey & P. Kohler-Evans (Eds.), *Coaching innovations: Providing instructional support anywhere, anytime* (p. 67-74). Lanham, MD: Rowman and Littlefield.
- Dailey, D. & Kohler-Evans, P. (2017). Introduction: Improving instruction through coaching. In D. Dailey & P. Kohler-Evans (Eds.), *Coaching innovations: Providing instructional support anywhere, anytime* (p. xi). Lanham, MD: Rowman and Littlefield.
- Cotabish, A., Dailey, D., & Jackson, N. (2017). Aligning programs and services with national and state standards. In R. D. Eckert and J. H. Robins' (Eds.) *Designing services and programs for high-ability learners: A guidebook for gifted education* (revised; pp. 1-17). [Service publication on behalf of the National Association for Gifted Children]. Thousand Oaks, CA: Corwin Press.
- Cotabish, A., Dailey, D., & Jackson, N. (2017). Developing partnerships: Preparing teachers to serve gifted students in all settings. In S. Johnsen and J. Clarenbach's (Eds.) *Using the National Gifted Education Standards for pre-K–grade 12 professional development* (pp. 37-52). [Service publication on behalf of the National Association for Gifted Children]. Waco, TX: Prufrock Press.
- Miller, R., Cotabish, A., & Dailey, D. (2016). Picking up STEAM: Integrating the arts into STEM-focused gifted programming. In N. P. Gallavan and L. G. Putney's (Eds.) *Establishing a sense of place for all learners in 21st century classrooms and schools* (pp. 141-152, ATE yearbook XXIV). Landham, Maryland: Roman and Littlefield.
- Cotabish, A., & Dailey, D. (2015). Using the standards in program development and accreditation: Developing partnerships. In S. Johnsen et al. (Eds.) *Using the NAGC-CEC Teacher Preparation Standards in the CAEP accreditation process* (pp. 35-54). [Service publication on behalf of the National Association for Gifted Children]. Waco, TX: Prufrock Press.
- Dailey, D. (2015). Elementary science curriculum for gifted learners. In B. MacFarlane (Ed.) *STEM education for high-ability learners: Designing and implementing programing* (pp. 17-32). Waco, TX: Prufrock.
- Dailey, D., & Cotabish, A. (2015). Developing advanced science curriculum for gifted students. In T. Kettler (Ed.) *Modern curriculum for gifted and advanced academic students* (pp. 335-350). Waco, TX: Prufrock.

- Dailey, D., & Cotabish, A. (2015). Implementing engineering practices with advanced learners. In B. MacFarlane (Ed.) *STEM education for high-ability learners: Designing and implementing programming* (pp. 71-84). Waco, TX: Prufrock.
- Dailey, D., & Cotabish, A. (2015). Using the standards in program development and accreditation: Integrating gifted education standards in education preparation providers' programs. In S. Johnsen et al. (Eds.) *Using the NAGC-CEC Teacher Preparation Standards in the CAEP accreditation process* (pp. 55-66). [Service publication on behalf of the National Association for Gifted Children]. Waco, TX: Prufrock Press.
- Robinson, A., & Dailey, D. (2014). Effective practices and giftedness. In A. F., Rotatori, J. Bakken, & Obiakor, F. (Eds., Vol. 26), *Advances in special education – Giftedness: Current perspectives and issues* (pp. 167-190). Bingley, WA, UK: Emerald Publishing Group.
- Robinson, A., MacFarlane, B., & Dailey, D. (2013). A. Harry Passow: Curriculum, advocacy and diplomacy for talent development (1920-1996). In A. Robinson, & J. Jolly (Eds.), *A century of contributions to gifted education: Illuminating lives* (pp. 220-231). New York, NY: Routledge.

Monographs

- Robinson, A., Dailey, D., Cotabish, A., Hughes, G., & Hall, T. (2014). STEM Starters: An Effective Model for Elementary Teachers and Students. In Robert E. Yager (Ed.), *Exemplary Science Program Series, 10th ed.* (pp. 1-18). [Monograph: National Science Teachers Association]. Arlington, VA: NSTA Press.

National Organization Product Development

- Cotabish, A., Kielty, W., Dailey, D., & Pratt, D. (2015). *PreK-Grade 12 Gifted Programming Standards self-study checklists for teachers of the gifted and program coordinators* [Service publication for the National Association for Gifted Children].

Published Newsletter Articles

- Dailey, D. (May, 2018). A focus on STEM education: A response to the “Pros and cons of STEM initiatives for gifted learners.” National Association for Gifted Children May Insider. <http://www.nagc.org/focus-stem-education>
- Dailey, D. (Spring, 2017). Challenging Gifted Learners through Engineering. CEC-TAG Update. <http://cectag.com/wp-content/uploads/2012/04/TAG-Update-Spring-2017.pdf>
- Dailey, D. (Fall, 2013). Are you ready? The Next Generation Science Standards. *AAGEAN Digest*.
- Dailey, D. (Spring, 2013). Thinking STEM? Start early. *AAGEAN Digest*.
- Dailey, D. (2012). Thinking STEM? Start early. *NAGC Early Childhood Network Newsletter*.
- Dailey, D., & Cotabish, A. (2011). Got science? Experiences from STEM Starters, an elementary science initiative. *Instructional Leader*, Arkansas Association of Educational Administrators, 17(4).
- Cotabish, A., & Dailey, D. (2009). Project STEM Starters: A response to the state of science in the U.S. *AAGEAN Digest*, Fall 2009, 8-9.

Published Book Reviews

- Dailey, D. (2017). Differentiating instruction for gifted learners [Published review of the book: *Differentiating instruction for gifted learners: A case study approach* by C. L. Weber, W. Behrens, C. Boswell]. *Teachers College Record*. <http://www.tcrecord.org> ID Number: 21861

Dissertation

Dailey, D. (2013). *The effects of a STEM Professional Development Intervention on Elementary Teachers*. (Doctoral dissertation). ProQuest, UMI Dissertations Publishing, 2013. 3587609. Retrieved from: <http://search.proquest.com/docview/1427342722>

Grant-Related Technical Reports

Dailey, D. (2015). *Project Evaluation Report*. No-Cost Extension ADHE Report on Science Education through Engineering Design (S.E.E.D.), Submitted to the Arkansas Department of Higher Education on behalf of the University of Arkansas at Little Rock, Little Rock, AR.

Dailey, D. (2014). *Project Evaluation Report*. Final ADHE Report on Science Education through Engineering Design (S.E.E.D.), Submitted to the Arkansas Department of Higher Education on behalf of the University of Arkansas at Little Rock, Little Rock, AR.

Dailey, D. (2014). *Project Evaluation Report*. Interim ADHE Report on Science Education through Engineering Design (S.E.E.D.), Submitted to the Arkansas Department of Higher Education on behalf of the University of Arkansas at Little Rock, Little Rock, AR.

Refereed Research Manuscripts/Conference Presentations (International/National/Regional)

Trumble, J., & Dailey, D. (2018, April). *STEM Camp: Malleability of students' spatial skills*. Paper presented at the American Education Research Association, New York, NY.

Dailey, D., Trumble, J., Cotabish, A., Jackson, N., & Buchanan, M. (2018, April). *Engaging Students with Engineering: Increasing Access and Opportunity for All Learners*. Poster presented at the American Education Research Association, New York, NY.

Trumble, J., Dailey, D., Cotabish, A., Buchanan, M. & Jackson, N. (2018, February). *Students knowledge of engineering and their application of engineering design in a summer engineering camp*. Paper presented at the annual meeting of the Association of Teacher Educators, Las Vegas, NV.

Dailey, D., Wake, D., Cotabish, A., & Benson, T. (2018, February). *The comparison of instructional practices between virtually and traditionally supervised teacher candidates in their culminating internship*. Paper presented at the annual meeting of the Association of Teacher Educators, Las Vegas, NV.

Trumble, J., Wake, D., Dailey, D., Cotabish, A., & Mills, M. (2018, February). *Developing teachers data literacy skills: The evolution of teaching with practical data tools*. Paper presented at the annual meeting of the Association of Teacher Educators, Las Vegas, NV.

Trumble, J., & Dailey, D. (2017, November). *STEM Camp: Malleability of students' spatial skills*. Paper presented at the Mid South Educational Research Association, Starkville, MS.

Trumble, J., Mills, M., Wake, D., & Dailey, D. (2017, November). *Teacher candidates' data literacy: Learning through integrated technology tools*. Paper presented at the Mid South Educational Research Association, Starkville, MS.

Dailey, D., Wake, D., Cotabish, A., & Benson, T. (2017, April). *Comparison of instructional practices between virtually and traditionally supervised teacher candidates in their culminating internship*. Paper presented at the Annual Meeting of the American Education Research Association, San Antonio, TX.

- Wake, D., Dailey, D., & Trumble, J. (2017, April). *Supporting teacher candidates' data literacy in the field through technology integration*. Paper presented at the Annual Meeting of the American Education Research Association, San Antonio, TX.
- Dailey, D., Cotabish, A., & Jackson, N. (2016, April). *Experiences in a summer engineering camp: Impact on students' knowledge of science content and engineering practices*. Paper to be presented at the Annual Meeting of the American Education Research Association, Washington, D.C.
- Dailey, D., & Robinson, A. (2016, April). *Elementary teachers and their concerns about teaching science*. Paper to be presented at the Annual Meeting of the American Education Research Association, Washington, D.C.
- Wake, D., Dailey, D., Cotabish, A., & Benson, T. (2016, April). *The impact of virtual coaching and on-demand corrective feedback on teacher candidates' clinical experiences*. Paper to be presented at the Annual Meeting of the American Education Research Association, Washington, D.C.
- Dailey, D., Cotabish, A., & Jackson, N. (2015, November). *STEMulate engineering academy: Impact on students' science and engineering knowledge*. Paper presented at the Annual conference of the Mid-south Education Research Association, Lafayette, LA.
- Dailey, D., Cotabish, A., Miller, R., & Buchanan, M. (2015, November). *Teacher professional development in a children's engineering camp*. Paper presented at the Annual conference of the Mid-south Education Research Association, Lafayette, LA.
- Trumble, J., Dailey, D., & Cotabish, A. (2015, November). *Examining the elephant in the room: Teacher candidates' perceptions and utilization of educational research methodology*. Paper presented at the Annual conference of the Mid-south Education Research Association, Lafayette, LA.
- Dailey, D., Bunn, G., & Cotabish, A. (2015, April). *Contributing factors to the initial growth of a mathematics and science teacher education program implementing the UTeach Model*. Paper presented at the Annual Meeting of the American Education Research Association, Chicago, IL.
- Dailey, D., & Robinson, A. (2015, April). *Elementary teachers' perceptions of teaching science and their malleability during and after a professional development intervention*. Paper presented at the Annual Meeting of the American Education Research Association, Chicago, IL.
- Gallavan, N., Dailey, D., Cotabish, A., & Thompson, A. (2015, April). *Mentor teachers' beliefs and practices with formative assessment: Mentors' influences on interns*. Paper presented at the Annual Meeting of the American Education Research Association, Chicago, IL.
- Dailey, D., Bunn, G., & Cotabish, A. (2014, November). *Answering the call to improve STEM education*. Paper presented to the Annual Meeting of the American Education Research Association. Paper presented at the Annual conference of the Mid-south Education Research Association, Knoxville, TN.
- Dailey, D., Gallavan, N., Cotabish, A., & Thompson, A. (2014, November). *Using formative assessment to provide differentiated learning opportunities: Mentor teachers' beliefs and practices*. Paper presented at the Annual conference of the Mid-south Education Research Association, Knoxville, TN.
- Dailey, D., & Robinson, A. (2014, November). *The effect of a professional development intervention on elementary teachers' perceptions about teaching science*. Paper presented at the Annual conference of the Mid-south Education Research Association, Knoxville, TN.
- Cotabish, A., Dailey, D., Robinson, A. & Hughes, G. (2013, April). *The effects of a STEM intervention on elementary students' science knowledge and skills*. Paper presented at the Annual Meeting of the American Education Research Association, San Francisco, CA.

- Robinson, A., Dailey, D., Hughes, G., & Cotabish, A. (2013, April). *The effects of a STEM intervention on gifted elementary students' science knowledge and skills*. Paper presented at the Annual Meeting of the American Education Research Association, San Francisco, CA.
- Dailey, D., Robinson, A., Hughes, G., & Cotabish, A. (2013, November). *The effects of a STEM professional development intervention on elementary teachers*. Paper presented at the Annual conference of the Mid-south Education Research Association, Pensacola, FL.
- Dailey, D., Cotabish, A., Robinson, A., & Hughes, G. (2012, April). *Effects of implementing a STEM initiative on elementary teacher perceptions and concerns about science teaching and learning*. Paper presented at the Annual Meeting of the American Education Research Association, Vancouver, BC.
- Cotabish, A., Hughes, G., Robinson, A., & Dailey, D. (2011, November). *The Effects of a Gifted Education STEM Project on Elementary Teachers' Science Process Skills*. Paper presented at the Annual conference of the Mid-south Education Research Association, Oxford, MS.
- Cotabish, A., Robinson, A., Hughes, G., & Dailey, D. (2011, April). *The effects of a gifted education STEM project on elementary teachers' science process skills and knowledge of science content*. Annual Meeting of the American Education Research Association, New Orleans, LA.
- Dailey, D., Cotabish, A., Robinson, A., & Hughes, G. (2011, April). *Interim effects of implementing a STEM initiative on elementary teacher perceptions and concerns about science teaching and learning*. Poster presented at the annual meeting of the American Education Research Association, New Orleans, LA.
- Referred National/International Presentations
- Dailey, D., & Buchanan, M. (2018, February). *What about engineering? An integrated STEM approach to addressing multiple content standards*. Council for Exceptional Children. Tampa, FL.
- Dailey, D. (2017, November). *STEM curriculum with a track record: Conversations with colleagues; William and Mary science curriculum units*. National Association for Gifted Children (NAGC), Charlotte, NC.
- Dailey, D., & Buchanan, M. (2017, April). *Engaging advanced learners in STEM content areas: Increasing innovation and creativity*. Council for Exceptional Children. Boston, MA.
- Dailey, D., & Cotabish, A. (2016, November). Roundtable presentation on *Engineering instruction for high ability learners in K-8 classrooms*. National Association for Gifted Children (NAGC), Orlando, FL.
- Dailey, D. (2016, November). Panel presentation: STEM Signature Session: Developing critical STEM literacy and delivering better STEM programs. National Association for Gifted Children (NAGC), Orlando, FL.
- Cotabish, A., Dailey, D., & Jackson, N. (2016, November). Aligning programs and services with national and state standards. In R. D. Eckert and J. H. Robins' (Eds.) *Designing services and programs for high-ability learners: A guidebook for gifted education*. National Association for Gifted Children (NAGC), Orlando, FL.
- Cotabish, A., Dailey, D., & Jackson, N. (2016, November). Developing partnerships: Preparing teachers to serve gifted students in all settings. In S. Johnsen and J. Clarenbach's (Eds.) *Using the National Gifted Education Standards for pre-k–grade 12 professional development*. National Association for Gifted Children (NAGC), Orlando, FL.
- Jackson, N., Dailey, D., Miller, R. G., Cotabish, A., & Buchanan, M. (2016, November). *Stuck on creativity*. National Association for Gifted Children (NAGC), Orlando, FL.
- Dailey, D. (2016, April). Discussant: *STEM opportunities for gifted learners*. Council for Exceptional Children. Saint Louis, MO.
- Gallavan, N., Dailey, D., Wake, D., Thompson, A. (2016, February). *Teaching and learning teacher self-efficacy through classroom assessments: Accountability to accreditation impacting*

- colleagues, classrooms, and candidates*. The Association of Teacher Educators Annual Meeting. Chicago, IL.
- Miller, R. G., Cotabish, A., & Dailey, D. (2016, February). *Picking up STEAM: Integrating the arts into STEM-focused gifted programing*. The Association of Teacher Educators Annual Meeting. Chicago, IL.
- Cotabish, A. & Dailey, D. (2016, March). *Using the NAGC PreK–Grade 12 programming standards self-study checklist for teachers of the gifted and program coordinators*. Webinar on Wednesdays: National Association for Gifted Children.
- Adams, A., Cotabish, A., & Dailey, D. (2015, November). *Preparing tomorrow's innovators: Engaging elementary students in engineering design practices*. Preconference Workshop National Association for Gifted Children (NAGC), Phoenix, AZ.
- Buchanan, M., Cotabish, A., Dailey, D., Jackson, N., & Miller, R. (2015, November). *SMILE with PBL: Science and math inquiry learning explored*. National Association for Gifted Children (NAGC), Phoenix, AZ.
- Dailey, D., Cotabish, A., Buchanan, M. Miller, R., & Jackson, N. (2015, November). *Engineering with a twist: Fairy tales, Common Core, and the Next Generation Science Standards*. National Association for Gifted Children (NAGC), Phoenix, AZ.
- Johnsen, S. K., Adams, C., Cotabish, A., Dailey, D., Jolly, J. Robinson, A., & VanTassel-Baska, J. (2015, November). *Using the National Gifted Education Standards for teacher preparation*. National Association for Gifted Children (NAGC), Phoenix, AZ.
- Cotabish, A., & Dailey, D. (2015, April). *Project-based elementary engineering: A differentiated approach for the next generation gifted innovators*. Council for Exceptional Children (CEC), San Diego, CA.
- Adams, C., Cotabish, A., & Dailey, D. (2014, November). *Wednesday Pre Convention: Differentiation at the core*. National Association for Gifted Children (NAGC), Baltimore, MD.
- Adams, C., Cotabish, A., & Dailey, D. (2014, November). *Differentiating the Next Generation Science Standards at the middle and high school levels*. National Association for Gifted Children (NAGC), Baltimore, MD.
- Adams, C., Cotabish, A., & Dailey, D. (2014, November). *Problem-based and project-based learning for scientifically-advanced learners*. National Association for Gifted Children (NAGC), Baltimore, MD.
- Adams, C., Cotabish, A., & Dailey, D. (2014, November) *Differentiating the Next Generation Science Standards for grades K-5*. National Association for Gifted Children (NAGC), Baltimore, MD.
- Bunn, G., Dailey, D., & Cotabish, A. (2014, November). *The UTeach model for teacher education: Using an investigative approach to transform classrooms into engaging environments*. Annual conference of the National Consortium for Specialized Secondary Schools for Mathematics, Science, and Technology (NCSSMST), Baltimore, MD.
- Cotabish, A., Dailey, D., Searcy, K. (2014, November). *Utilizing engineering activities in K-12 grades to promote interdisciplinary understanding of science, technology, and mathematics*. National Association for Gifted Children (NAGC), Baltimore, MD.
- Miller, R., Dailey, D., & Cotabish, A. (2014, November). *Let's produce innovators*. National Association for Gifted Children (NAGC), Baltimore, MD.
- Robinson, A., Dailey, D., Hughes, G., & Cotabish, A. (2014, September). *The effects of a science-focused STEM intervention on gifted elementary students' science knowledge and skills*. Paper presented at the 14th International ECHA (European Council for High Ability) Conference. Ljubljana – Slovenia.
- Dailey, D. (2013, November). *PBL in elementary classrooms: Action-packed learning*. National Association for Gifted Children Conference, Indianapolis, IN.

- Dailey, D., Cotabish, A., & Adams, C. (2013, November). *Supporting elementary teachers in implementing the Next Generation Science Standards*. National Association for Gifted Children Conference, Indianapolis, IN.
- Robinson, A., Dailey, D., & Cotabish, A. (2013, November). *The effects of a STEM intervention on gifted elementary students' science knowledge and skills*. National Association for Gifted Children Conference, Indianapolis, IN.
- Cotabish, A., Dailey, D., Robinson, A., & Stein, M. K. (2012, November). *Integrating STEM components into your gifted program: Creating an investigative classroom culture*. National Association for Gifted Children, Denver, CO.
- Dailey, D., Cotabish, A., & Jamsren, M. (2012, November). *Thinking STEM? Start early!* National Association for Gifted Children, Denver, CO.
- Dailey, D., Cotabish, A., Robinson, A., & Hughes, G. (2012, April). *The effects of implementing a STEM initiative on elementary teacher perceptions and concerns about science teaching and learning*. Annual meeting of the American Education Research Association, Vancouver, BC.
- Cotabish, A. & Dailey, D. (2011, November). *STEM Starters Toolbox: Nuts, bolts, and tools for elementary gifted teachers*. Annual conference of the National Association for Gifted Children, New Orleans, LA.
- Dailey, D., Cotabish, A., & Nail, K. (2011, November), *Using peer coaching as a form of professional development: The catalyst for change*. Annual conference of the National Association for Gifted Children, New Orleans, LA.
- Dailey, D., Cotabish, A., Robinson, A., & Hughes, G. (2011, November). *Elementary teacher perceptions and concerns about science teaching and learning*. Annual conference of the National Association for Gifted Children, New Orleans, LA.
- Robinson, A., Cotabish, A., Dailey, D., & Hughes, G (2011, November). *The effects of a STEM project on teachers' science process skills and science content knowledge*. Annual conference of the National Association for Gifted Children, New Orleans, LA.
- Cotabish, A., Dailey, D., & Shook, B. (2009, November). *Resources for STEM curriculum: Building services for gifted learners in elementary schools*. Annual conference of the National Association for Gifted Children, St. Louis, MO. Selected as a Signature Series Session and as a virtual conference presentation.
- Cotabish, A., Dailey, D., Shook, B., Stidham, L., & MacFarlane B. (2010, November). *Building and evaluating a STEM pipeline: Preliminary insights from Project STEM Starters*. Annual conference of the National Association for Gifted Children, Atlanta, GA.

Referred State Presentations

- Dailey, D., Trumble, J., & Cotabish, A. (2018, March). *STEMulate Engineering: Engaging students with engineering*. ARACTE, Conway, AR.
- Wake, D., Cotabish, A., Dailey, D., & Benson, T. (2017, June). *Peer coaching through BIE*. Hot Springs Technology Institute. Hot Springs, AR.
- Dailey, D. & Jackson, K. (2017, March). *Increasing student engagement through engineering*. Annual Conference of Arkansans for Gifted and Talented Education. Little Rock, AR
- Dailey, D. , Cotabish, A., Buchanan, M., Trumble, J., Miller, R., Robinson, A., MacFarlane, B., & Kidd, K. (2017, March). *Engineering instruction for high ability learners in K-8 classrooms*. Annual Conference of Arkansans for Gifted and Talented Education. Little Rock, AR
- Jackson, N., Miller, R., Dailey, D., & Cotabish, A., (2017, March). *Creativity overload*. Annual Conference of Arkansans for Gifted and Talented Education. Little Rock, AR
- Dailey, D. & Cotabish, A. (2017, January). *Put a little STEM in your classroom*. Success of Students (SOS) Symposium. Conway, AR.

- Cotabish, A. & Dailey, D. (2016, November). *Designing innovative engineering instruction for high-ability learners in Grades K–4*. Preconference at Texas Association of Gifted and Talented. Dallas, TX.
- Dailey, D. & Cotabish, A. (2016, November). *Designing innovative engineering instruction for high-ability learners in Grades 5–8*. Preconference at Texas Association of Gifted and Talented. Dallas, TX.
- Gallavan, N. P., Dailey, D., Wake, D. (2016, March). *Classroom assessments: Techniques, tools, and timely tips*. Presented at the Collegiate Middle Level Association (CMLA) Conference, Conway, AR.
- Cotabish, A., & Dailey, D. (2016, February). *Self-study checklist for teacher of the gifted and program coordinators*. Annual Conference of Arkansans for Gifted and Talented Education. Hot Springs, AR.
- Dailey, D., Cotabish, A., Buchanan, M., Jackson, N., Miller, R. (2016, February). *Fairy tales and engineering*. Annual Conference of Arkansans for Gifted and Talented Education. Hot Springs, AR.
- Dailey, D. & Cotabish, A. (2015, February). *Using engineering design practices to encourage innovation in gifted classrooms*. Annual conference for Arkansans for Gifted and Talented Education, Little Rock, AR
- Cotabish, A. & Dailey, D. (2014, February). *A differentiated approach to addressing the NGSS*. Annual conference for Arkansans for Gifted and Talented Education, Hot Springs, AR
- Dailey, D. (2014, February). *Inspiring innovators through engineering*. Annual conference for Arkansans for Gifted and Talented Education, Hot Springs, AR
- Miller, R., Cotabish, A., & Dailey, D. (2014, February). *Gaining STEAM with STEM*. Annual conference for Arkansans for Gifted and Talented Education, Hot Springs, AR.
- Cotabish, A., Bunn, G., Alumbaugh, A & Dailey, D. (2013, October). *A differentiated approach to addressing the CCSS (Math) and NGSS*. Arkansas Curriculum Conference, Little Rock, AR.
- Miller, R., Cotabish, A., & Dailey, D. (2013, October). *Gaining STEAM with STEM*. Arkansas Curriculum Conference, Little Rock, AR.
- Dailey, D. (2013, February). *PBL= Action-packed learning*. Annual conference for Arkansans for Gifted and Talented Education, Little Rock, AR
- Cotabish, A., & Dailey, D. (2012, February). *Using peer coaching as a form of professional development*. Annual conference for Arkansans for Gifted and Talented Education, Little Rock, AR
- Cotabish, A., Dailey, D., McNeill, M. L., Allgood, T., & Norberg, C. (2011, February). *Addressing the T in STEM: Using technology to promote science in the classroom*. Annual conference for Arkansans for Gifted and Talented Education, Little Rock, AR.
- Cotabish, A., Dailey, D., & McNeill, M. L. (2010, February). *Project STEM Starters: Cultivating science programs in elementary grades*. Annual conference for Arkansans for Gifted and Talented Education, Little Rock, AR.
- Dailey, D., (2008, February). *Using Windows Movie Maker to present student research projects*. Annual conference for Arkansans for Gifted and Talented Education, Little Rock, AR.

Invited Presentations

- Dailey, D. (2017, November). *Gifted students and problem solving. Using engineering and technology to increase student engagement across content areas* (Novice and Advanced sessions). Gifted Education Conference. Rutgers University.
- Dailey, D. (2017, October). *Using engineering to engage high ability students across multiple content areas*. Invited session for the Arkansas Curriculum Conference at Little Rock, AR.

- Dailey, D. (2017, September). *Increasing opportunities for innovation and creativity: Engineering across the curriculum*. Annual fall conference of the Arkansas Association for Gifted Education administrators, Searcy, AR.
- Cotabish, A. & Dailey, D. (2016, November). *Designing innovative engineering instruction for high-ability learners in Grades K–4*. Preconference at Texas Association for the Gifted and Talented. Dallas, TX.
- Dailey, D. & Cotabish, A. (2016, November). *Designing innovative engineering instruction for high-ability learners in Grades 5–8*. Preconference at Texas Association for the Gifted and Talented. Dallas, TX.
- Dailey, D. (2016, December). Panelist: *Let's Talk: Taking STEM beyond the classroom*. Texas Association for the Gifted and Talented. Dallas, TX.
- Dailey, D. (2016, November). Identification of low-income and diverse learners. Gifted Education Conference, Rutgers University.
- Dailey, D. (2016, November). Hands-on science for advanced learners-novice session. Gifted Education Conference, Rutgers University.
- Dailey, D. (2016, November). Hands-on science for advanced learners-advanced session. Gifted Education Conference, Rutgers University.
- Dailey, D. (2016, November). STEM signature session: Developing critical STEM literacy and delivering better STEM programs. National Association for Gifted Children (NAGC), Orlando, FL.
- Dailey, D. (2015, November). Roundtable presentation of chapters in In B. MacFarlane (Ed.) *STEM education for high-ability learners: Designing and implementing programing*. Waco, TX: Prufrock.
- Dailey, D. (2014, October). Differentiating the Next Generation Science Standards for advanced learners. Annual Fall Conference of the Mississippi Association of Gifted Children, Tupelo, MS.
- Cotabish, A. & Dailey, D. (2014, September). Problem-based and project-based learning. Annual fall conference of the Arkansas Association for Gifted Education administrators, Little Rock, AR.
- Adams, C., Cotabish, A., & Dailey, D. (2014, April). Using the Next Generation Science Standards with advanced and gifted learners. Symposium presented at the *Council for Exceptional Children*, Philadelphia, PA.
- Cotabish, A. & Dailey, D. (2013, November). *A Differentiated Approach to Addressing the CCSS (Math) and NGSS*. In S. Chamberlin's session, T7: Developing Talent in the STEM Fields in the Era of the Common Core State Standards in Mathematics and the Next Generation Science Standards: K-5. National Association for Gifted Children Conference, Indianapolis, IN.
- Dailey, D. (2013, November). *OMW...not just science but engineering in my elementary classroom*. In S. Chamberlin's session, T7: Developing Talent in the STEM Fields in the Era of the Common Core State Standards in Mathematics and the Next Generation Science Standards: K-5. National Association for Gifted Children Conference, Indianapolis, IN.
- Dailey, D. & Johnson, S. (2012, August). An uncommon differentiated approach to the common core. Annual conference of the Arkansas Education Administrators Association, Little Rock, AR.
- Dailey, D., Tarkington, K., & Wilson, S. (2012, August). Building an elementary STEM pipeline: Addressing administrators concerns and implementation. Annual conference of the Arkansas Education Administrators Association, Little Rock, AR.
- McClure, M., McClure, G., Brown, T., Stein, M. K., & Dailey, D. (2012, August). Panel discussion: The tech frontier: To boldly go where no schools have gone before. Annual conference of the Arkansas Education Administrators Association, Little Rock, AR.
- Dailey, D. (2012, September). Integrating STEM components into your gifted program: Creating an investigative classroom culture. Invited session for the Arkansas Association of Gifted Education Administrators Fall Conference, Little Rock, AR.

- Cotabish, D., & Dailey, D. (2010, November). Developing STEM talent in the elementary grades. Annual conference of the Arkansas Education Association, Little Rock, AR.
- Cotabish, A., Dailey, D., McNeill, M. L., Conley, J., & Tarkington, K. (2010, September). Project STEM Starters: Cultivating GT science programs in elementary grades. Annual fall conference of the Arkansas Association for Gifted Education Administrators, Little Rock, AR.
- Cotabish, A., & Dailey, D. (2009, September). Resources for STEM Curriculum: Building for gifted learners in elementary schools. Annual fall conference of the Arkansas Association for Gifted Education Administrators, Little Rock, AR.

Invited Workshops

- Dailey, D. (2018, June 25-26). Increase student engagement with engineering design pedagogy. College of William and Mary Center for Gifted Education Annual Professional Institute. Williamsburg, VA.
- Dailey, D. (2018, June 19-21). Engineering instruction for high ability learners in K-8 classrooms. Hormel Gifted and Talented Symposium. Austin, Minnesota.
- Dailey, D. (2018, June 19-21). Hands on science for advanced learners. Hormel Gifted and Talented Symposium. Austin, Minnesota
- Dailey, D. (2017, March 11, June 12-16; July 10-12). EESS: Earth and space science with elementary teachers. University of Central Arkansas STEM Institute, Conway, AR.
- Dailey, D. (2017, June 19-22). NCLB: Blending math and science. University of Central Arkansas STEM Institute, Conway, AR.
- Dailey, D. (2017, June 26-27). What about engineering? An integrated STEM approach to addressing multiple content standards. College of William and Mary Center for Gifted Education Annual Professional Institute, Williamsburg, VA.
- Dailey, D. (2017, August 3). The new Arkansas Science Standards based on NGSS. Science Department. JA Fair High School. Little Rock, AR.
- Dailey, D. (2016, June 27-28). Increasing opportunities for innovation and creativity: Engaging advanced learners in STEM. College of William and Mary Center for Gifted Education Annual Professional Institute, Williamsburg, VA.
- Dailey, D. (2016, July 19). Increasing student engagement in STEM. Ozarks Unlimited Resources Cooperative, Harrison, AR.
- Dailey, D. (2016, July 20). STEM strategies to engage gifted learners. Ozarks Unlimited Resources Cooperative, Harrison, AR.
- Dailey, D. (2016, July 11-14; 25-28). Algebra-Connecting concepts. University of Central Arkansas STEM Institute, Conway, AR.
- Dailey, D. (2015, August 11). *PBL in the gifted classroom*. One-day workshop delivered to Bentonville School District Gifted and Talented Teachers.
- Dailey, D. (2015, July 20-21). *Effecting the affective: Creative and critical thinking in the 21st century gifted classrooms. Strategies to engage learners in creative and critical thinking*. Two-day workshop delivered to Atlanta Public Schools Gifted and Talented Teachers.
- Dailey, D. (2015, June 19). *Formative assessment*. One half-day workshop delivered on behalf of the Arkansas Department of Education to Non-traditional Licensure Program participants. North Little Rock, AR.
- Dailey, D. (2015, June 26). *Parental Involvement*. One half-day workshop delivered on behalf of the Arkansas Department of Education to Non-traditional Licensure Program participants. North Little Rock, AR.

- Dailey, D. (2015, June 26). *Engaging classrooms*. One-day workshop delivered on behalf of the Arkansas Department of Education to Non-traditional Licensure Program participants. North Little Rock, AR.
- Dailey, D. (2014, October). *Integrating STEM components into your classroom: Creating an investigative classroom*. One-day workshop delivered to the Mississippi Gifted Children Association.
- Dailey, D. (2014, August). *In case you missed it: Creating an investigative classroom*. One-day workshop delivered to Atlanta Public Schools Gifted and Talented Teachers.
- Dailey, D. (2014, July). *Creating an investigative classroom*. Two-day workshop delivered to Atlanta Public Schools Gifted and Talented Teachers.
- Dailey, D. (2013, September). *The Next Generation Science Standards*. Presentation provided to STEMTeach mentor teachers. UCA: Conway, Arkansas.
- Dailey, D., & Cotabish, A. (2011, August). *STEM Starters Technology Institute*. Two-day technology workshop focused on integrating iPad 2, GPS receivers, and digital cameras in the classroom. UALR: Little Rock, AR.
- Cotabish, A., & Dailey, D. (2011, July). *STEM Starters Technology Institute*. Two-day technology workshop focused on integrating iPad 2, GPS receivers, and digital cameras in the classroom. UALR: Little Rock, AR.
- Dailey, D., & Cotabish, A. (2011, July). *Project STEM Starters Institute*. Three-day Teacher Institute focused on implementing Project STEM Starters at the elementary grades. Professional development provided to the Beebe & South Conway County Public School Districts. UALR: Little Rock, AR.
- Cotabish, A., & Dailey, D. (2011, June). *Project STEM Starters Institute*. Three-day Teacher Institute focused on implementing Project STEM Starters at the elementary grades. Professional development provided to the Beebe & south Conway County Public School Districts. UALR: Little Rock, AR.
- Cotabish, A., & Dailey, D. (2010, June). *Project STEM Starters – Year 2 Institute Five day Teacher Institute*. Professional development focused on implementing Project STEM Starters' curriculum and differentiated instruction at the elementary grades. Training provided to the Beebe and South Conway County School District STEM Starter participants. UALR: Little Rock.
- Cotabish, A., & Dailey, D. (2010, June). *Project STEM Starters – Year 2 Institute Five day Teacher Institute*. Professional development focused on implementing Project STEM Starters' curriculum and differentiated instruction at the elementary grades. Training provided to the Beebe and South Conway County School District STEM Starter participants. UALR: Little Rock.
- Dailey, D. & Cotabish, A. (2010, July). *Project STEM Starters – Year 2 Institute Five-day Teacher Institute*. Professional development focused on implementing Project STEM Starters' curriculum and differentiated instruction at the elementary grades. Training provided to the Beebe and South Conway County School District STEM Starter participants. UALR: Little Rock.
- Dailey, D. & Cotabish, A. (2009, October). *Project STEM Starters Teams*. Two-day professional development workshop focused on evaluating STEM programs at the elementary grades. UALR: Little Rock, AR.
- Cotabish, A., & Dailey, D. (2009, June). *Project STEM Starters – Year 1 Institute*. Five-day Teacher Institute focused on implementing Project STEM Starters' curriculum and differentiated instruction at the elementary grades. Professional development provided to the Beebe and the South Conway County School District STEM Starter participants. UALR: Little Rock, AR.
- Dailey, D. & Cotabish, A. (2009, July). *Project STEM Starters – Year 1 Institute*. Five-day Teacher Institute focused on implementing Project STEM Starters' curriculum and differentiated instruction at the elementary grades. Professional development provided to the Beebe and the South Conway County School District STEM Starter participants. UALR: Little Rock, AR.

Keynote Presentations

Dailey, D. (2014, October). *Cultivating Tomorrow's Innovators*. Annual Conference of the Mississippi Association of Gifted Children, Tupelo, MS.

Grant and Awards

External Awards

2016, 2017 STEMulate Engineering Academy, Arkansans for Gifted and Talented Education (\$5000, 2016; \$4000, 2017)
2015, 2016, 2017 STEMulate Engineering Academy, Kimberly Clark Corporation, (\$5000/year)
2014 STEM Starters+, Jacob K. Javits, US Department of Education, funded (\$1,999,060).
2012-2013 Advanced Placement Institutes and Preservice Teachers, Arkansas Department of Education, funded; on behalf of the University of Arkansas at Little Rock (grantee).
2008-2012 Project Stem Starters, Jacob K. Javits Grant, US Department of Education, funded (\$2,200,000). Curriculum Coordinator and Peer Coach on behalf of the University of Arkansas at Little Rock (grantee).

University/ College-funded Grants

2015 University Professional Development Grant (\$500.00).
2015 College of Education Faculty Research Incentive Grant (\$2600.00).
2013 University of Central Arkansas Foundation Grant, STEMulate Academy, funded (\$2,960).

Grants Reviewed for U. S. Government Agencies

2015 U.S. Department of Education, Office of Post-Secondary Education - Higher Education Programs, Graduate Assistance in Areas of National Need (GAANN), Peer Reviewer Panel.

Peer Coaching and Program Evaluation

2009-2012 Provided peer coaching services to 30 teachers in the Beebe and South Conway County School Districts
2009-2010 Program Evaluation: South Conway County School District
2009-2010 Program Evaluation: Beebe School District

University Teaching Activities

Courses Taught (Graduate unless otherwise indicated)

UCA: College of Education Middle School Strategies (MSIT): Undergraduate

UCA: College of Education	Advanced Practicum (GATE)
UCA: College of Education	Internship Supervision (Bug-in-the-Ear and Face-to-Face)
UCA: College of Education	Assessment (MAT & ASTL)
UCA: College of Education	Research Methods (MAT & ASTL)
UCA: College of Education	Advanced Instructional Strategies and Assessment for Young Children (MAT)
UALR: College of Education	Advanced Placement for Talented Youth (GATE)
UALR: College of Education	Teaching Advanced Placement Internship (GATE)
UALR: College of Education	Teaching Advanced Placement Practicum (GATE)
UALR: College of Education	Creativity (GATE)
UALR: College of Education	Advanced Placement Summer Institute Credit Option: Math and Science (GATE)

Doctoral Dissertation Committee

2015-2016 Kerry Jordan (University of Arkansas for Medical Sciences)

Courses Developed, Revised, or Converted for Online Instruction

GATE 6391	UCA	Advanced Practicum, Revised
ASTL 6380	UCA	Research Methods, Revised with UCA Online Interface
MAT 6311	UCA	Classroom Assessment, Revised with UCA Online Interface
ASTL 6305	UCA	Classroom Assessment, Revised with UCA Online Interface

Professional Development Participation

2018	Council for Exceptional Children Leadership Institute
2014-2018	Council for Exceptional Children Conference
2009-2017	National Association for Gifted Children Conference
2010-2018	American Education Research Association Conference
2009-2018	Arkansans for Gifted and Talented Education Conference
2009-2018	Arkansas Gifted Educators Administrators Association Conference
2013-2018	UCA Workplace Answers
2018	American Teacher Educator Conference
2017	UCA COE Partnership for Transition to Teaching Symposium
2016	Hot Springs Technology Institute (HSTI)
2015	UCA College of Education Online Professional Development: Unit Plan
2015	Embedding Evaluations in Everyday Activities: Conducting Opportunistic experiments in Schools and Districts. Professional Development Mini Course AERA 2015 Annual Meeting: UCA Funded.
2015	Academic Service-Learning, UCA
2015	College of Education Research Cracker Barrel
2014, 2017	Teacher Excellence and Support System (TESS), ADE/UCA
2014	UCA: Teaching Circle, Deborah Kuster
2014	UCA Book Hacking Workshop (iBook), Michael Mills

- 2014 UCA Book Discussion Group, Rhonda McClelland and Amy Thompson
- 2014 UCA COE Writing Group, Donna Wake
- 2013 UCA STEM Institute: Seeds of Science and Roots of Reading
- 2013 Renzulli Gifted Institute, Arkansas IDEAS, UALR-Funded
- 2013 AERA HLM Workshop, UALR-Funded
- 2013 AP Summer Institute: Middle School Science, Hot Springs, AR, UALR-Funded

Honors and Awards

- 2017 University of Central Arkansas, College of Education, Outstanding Research Award
- 2016 American Education Research Association, TACTL SIG, Best Paper Award
- 2014 Arkansans for Gifted and Talented Education Challenger Award, Annual Conference for Arkansans for Gifted and Talented Education.
- 2013 Hebert M. Handley Outstanding Dissertation Award, Annual Conference for the Mid-South Educational Research Association.
- 2012 Arkansans for Gifted and Talented Education Educator Award, Annual Conference for Arkansans for Gifted and Talented Education.
- 2011 National Association for Gifted Children Doctoral Student Award, Annual Conference for the National Association for Gifted Children.
- 2011 National Association for Gifted Children, Research and Evaluation Network Gala, Doctoral Level In-Progress Research, 1st Place Winner.
- 2011 American Educational Research Association, Division D (Measurement and Research Methodology) Gala, Graduate Student In-Progress Research, 3rd Place.
- 2010 National Association for Gifted Children, Research and Evaluation Network Gala, Doctoral Level In-Progress Research, 2nd Place.
- 2004 Arkansans for Gifted and Talented Education Scholarship.

Professional Organizations		
Organization	Division / Network / SIG Membership (if applicable)	Offices Held
American Education Research Association (AERA)	Division K: Teaching and Teacher Education SIG Memberships: Science Teaching and Learning; Research on Giftedness, Creativity, and Talent.	
American Association of Colleges for Teacher Education (AACTE)	(Division/TAG: Improving Practices in STEM Educator Preparation - Charter Member)	
Arkansas Association of Educational Administrators (AAEA)		
Arkansas Association of Gifted Education Administrators (AAGEA)		2014-2015: Fall Conference Chair 2012-2014: District V Director
Arkansans for Gifted and Talented Education (AGATE)		2018-Present: Treasurer 2014-2016: Nominating Committee
Arkansas STEM Coalition		
Council for Exceptional Children (CEC)	The Association of the Gifted (TAG)	2015-Present: TAG Secretary
National Association for Gifted Children (NAGC)	Network Memberships: STEM; Professional Development; Research & Evaluation	Chair-Elect STEM Network
School Science and Mathematics Association (SSMA)		

University Service

University Committees

August 2018-	Faculty Senate (elected)
2017-2018	STEM Institute Science Specialist Search
2017-2018	Sponsored Programs Grant Writer Search
2017-2018	Undergraduate Council: Secretary
2017-2018	Arkansas Governor's School Application
2016-2018	University Research Council

College Committees

2015-2018	Research (Chair 2016-2018)
2017-2018	Faculty Awards
2017-2018	LEAD Chair Search

- 2016-2018 College Curriculum and Assessment
- 2016-2018 Professional Education Council
- Department Committees**
- 2017-2018 Field Outreach Programs
- 2015-2016 Graduate Faculty Membership Committee Chair
- 2015 Clinical Faculty Position Search Committee Chair
- 2014- 2016 Curriculum Committee
- 2013- present Graduate Faculty
- 2013-2014 Recruitment and Retention Committee

University Student Activities

- 2018 College of Education Research Day Coordinator
- 2017-2018 College of Education Beacon Bites
- 2015 College of Education Research Cracker Barrel Presenter
- 2014 Beacon Bites—Cookie and Test Schedule Day

K-12 Student Activities UCA

- 2015-Present STEMulate Engineering Academy summer camp
- 2018 Robotics Judge for Gifted and Talented Students
- 2017 Presentation to Teacher Cadets

Public (Community) Service

- 2015- 2018** Director of STEMulate Engineering Academy. Summer camp for Grades 3-6 students.
- August** J.A. Fair Professional Development for High School Science Teachers (not compensated)
- 2017**
- October** Simon Middle School Fall Family Festival
- 2016**
- 2016** Little Rock Central High School Junior Academy of Sciences
- 2015, 2016** DAR Essay Judge, Jayne Spears
- 2014-2018** Angel Tree Supporter, Union Valley Baptist Church
- 2014, 2017** Beebe and Badger Elementary Track and Field Day; Beebe Middle School Track and Field Day
- 2014** Bear Boots on the Ground Tornado Clean-up

State and National Service	
Organization	Role
State of Arkansas AGATE	Standards Reviewer (2014-2015) Board: Treasurer (2018-Present) Legislative Committee Member (2018-Present) Conference Co-Chair (2018-2019) Board: Nominating Committee (2014-2016) Parent Affiliate Judge (2015)
AAGEA	Conference Chair (2014-2015) District V Director (2012-2014)
NAGC	STEM Network Chair-Elect (2017-2019) Professional Standards Committee (2014-Present)

<p>CEC-TAG NAGC, CEC, AERA Current Issues in Education Gifted Child Today Journal of Advanced Academics Journal of Asia Pacific Education Review (Seoul National University) Journal of Research in Science Teaching Roeper Review School Science and Mathematics National Association for Gifted Children (April, 2013). <i>Using the Next Generation Science Standards with Gifted and Advanced Learners.</i> National Association for Gifted Children Student Academic Engagement in STEM (2015-Kathy Cash & Jill Adelson, University of Louisville) Integrating Arts in Content (2014-Rachelle Miller, Donna Wake, Jeff Whittingham, & Jill Adelson, University of Central Arkansas)</p>	<p>Graduate Student Committee (2009-2013) Board-Secretary (2015-2018) Conference Proposal Reviewer Journal Reviewer Book Review Provided review of standards to <i>Achieve</i> (organization) on behalf of the National Association for Gifted Children. Instrument Content Validation Juror Instrument Content Validation Juror</p>
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