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

2020-	Interim Chair, Department of Teaching and Learning College of Education, University of Central Arkansas
2016-	Program Coordinator, Gifted and Talented graduate program
2014 -2019	Director, STEMulate Engineering Academy, University of Central Arkansas
2018-	Associate Professor of Education, University of Central Arkansas
2013 - 2018	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

2021- Principle Investigator (1 of 2). *English for Speakers of Other Languages (ESOL) Institute.* We are investigating the impact of the ESOL institute and courses on teachers' efficacy for teaching ESLs.

2015- 2020 Principle 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

Cotabish, A., Dailey, D., Corwith, S., Johnsen, S., Lee, C. W., & Guilbault, K. (2020). Ushering in the 2019 Pre K-Grade 12 Gifted Programming Standards. *Gifted Child Today, 43*(2), 135-140.

Trumble, J., Dailey, D., & Cotabish, A. (2020). PBL and the engineering design process. *TEMPO, XL*(1), 6-12.

Dailey, D. (2019). Engineering and the gender gap: Improving interest in engineering among girls. *Teaching for High Potential, 2019* (November), 12-13.

Cotabish, A., Dailey, D., & Trumble, J. (2019). Translating engineering soft skills to the K-12 classroom. *Teaching for High Potential, 2019*(August), 5.

Jordan, K. J., Tsai, P., Heo, S., Bai, S., Dailey, D., Beck, C. K., . . . Greenwood, R. L. (2019). Feasibility of testing a coaching training intervention for CNAs in nursing homes. *Geriatric Nursing, 39*(6), 702-708.

Trumble, J., & Dailey, D. (2019). Change in spatial visualization mental rotation abilities of intermediate elementary students. *Journal of Computers in Mathematics and Science Teaching, 38*(1), 77-90.

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

Johnsen S., Cotabish, A., Dailey, D. (Eds.). (2021, in press). *NAGC Pre-K-Grade 12 gifted education programming standards: A guide to planning and implementing high-quality services*. Prufrock Press.

Dailey, D. (2019). *Thinking like an engineer: Lessons that develop habits of mind and thinking skills for young engineers in grade 4.* Prufrock Press.

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]. Prufrock Press.

Dailey, D., & Kohler-Evans, P. (Eds.). (2017). *Coaching innovations: Providing instructional support anywhere, anytime.* 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]. 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]. Prufrock Press.

Book Chapters

Dailey, D., Trumble, J., & Cotabish, A. (2022, in press). Developing experiences in engineering design processes for advanced learners. In J. VanTassel-Baska & C. A. Little's (Eds.) *Content-based curriculum for high ability learners* (4th ed.). Routledge Press.

Cotabish, A., Buchanan, M. & Dailey D. (2022, in press). Science curricular considerations for advanced learners. In J. VanTassel-Baska & C. A. Little's (Eds.) C*ontent-based curriculum for high ability learners* (4th ed.). Routledge Press.

Dailey, D., & Buchanan, M. (2021, in press). Recognizing and developing STEM talent among diverse populations. In J. Nyberg & J. Manzone's (Eds.) *Creating equitable services for the gifted: Protocols for identification, implementation, and evaluations*. IGI Global.

Dailey, D., Trumble, J. & Buchanan, M. (2021). In S. Johnsen, A. Cotabish, & D. Dailey (Eds.) *NAGC Pre-K-Grade 12 gifted education programming standards: A guide to planning and implementing high-quality services*. Prufrock Press.

MacFarlane, B. & Dailey, D. (2020). Science education for gifted students. In C. Callahan & J. Plucker (Eds.) *Critical issues and practices in gifted education: What the research says* (3rd ed.). Prufrock Press.

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]. 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]. 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). 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). 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]. 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]*. 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). 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]. Prufrock Press.

Dailey, D. (2016). Elementary science curriculum for gifted learners. In B. MacFarlane (Ed.) *STEM education for high-ability learners: Designing and implementing programming* (pp. 17-32). Prufrock Press.

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). Prufrock Press.

Dailey, D., & Cotabish, A. (2016). Implementing engineering practices with advanced learners. In B. MacFarlane (Ed.) *STEM education for high-ability learners: Designing and implementing programming* (pp. 71-84). Prufrock Press.

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]. 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). 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). 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]. NSTA Press.

National Organization Product Development

Cotabish, A., Dailey, D., et al (in press). *PreK-grade 12 gifted programming standards self-study checklists for teachers of the gifted and program coordinators* (2nd ed.). [Service publication for the National Association for Gifted Children].

Corwith, S., Cotabish, A., Dailey, D, Johnsen, S., & Lee, J. (2019). *A revision of the NAGC pre-K-grade 12 gifted program standards.* [Service publication for the National Association for Gifted Children].

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. (2020, September). Creating online gifted STEM classrooms. *National Association for Gifted Children Insider*. https://www.nagc.org/creating-online-gifted-stem-classrooms

Dailey, D. (2020, March). Alternative method of learning: Supporting parents and students at home. NAGC Blog. https://www.nagc.org/blog/alternative-method-learning-supporting-parents-and-students-home

Dailey, D., & Buchanan, M. (2020, Winter). Technology tools for presentation, part 3. *CEC-TAG Update.*

Dailey, D., Cotabish, A., Corwith, S., Johnsen, S., Lee, C. W., & Guilbault, K. (2020, February). Update on the 2019 Pre K-12 gifted programming standards. *National Association for Gifted Children Insider*.

Buchanan, M. & Dailey, D. (2019, Fall). Technology tools for investigation, part 2. CEC-TAG Update.http://cectag.com/wp-content/uploads/2019/11/Fall-2019-TAG-Newsletter-1.pdf

Dailey, D. (2019). Reimagine STEM through problem-based learning in a digital world. Rutgers University.

Dailey, D. & Buchanan, M. (2019, Summer). Technology tools for investigation. CEC-TAG Update. http://cectag.com/wp-content/uploads/2019/07/TAG-Update-Summer-2019-red.pdf

Dailey, D. (2018, May). A focus on STEM education: A response to the "Pros and cons of STEM initiatives for gifted learners." *National Association for Gifted Children 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

Dailey, D. D., Trumble, J., Buchanan, M. & Cotabish, A. (2020, Apr 17 - 21) *Summer Enrichment for Children: Igniting an Interest in Engineering* [Paper Session]. AERA Annual Meeting San Francisco, CA http://tinyurl.com/srvehl4 (Conference Canceled)

Trumble, J., Dailey, D. D., Buchanan, M. & Cotabish, A. (2020, Apr 17 - 21) *Investigating Failure and Perseverance of Gifted and Nongifted Adolescents: A Mixed-Methods Study* [Poster Session]. AERA Annual Meeting San Francisco, CA http://tinyurl.com/ubck9zz (Conference Canceled)

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). S*upporting 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 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 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 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. (2020, February). Engaging gifted learners in real-world problem solving. Council for Exceptional Children, Portland, OR.

Dailey, D. (2019, November). Thinking like an engineer: Developing students habits of mind and thinking skills. National Association for Gifted Children (NAGC), Albuquerque, NM.

Corwith, S., Lee, C.W., Johnsen, S., Cotabish, A., & Dailey, D. (2019, November). Gifted Education Programming Standards: The past, present and future. National Association for Gifted Children (NAGC), Albuquerque, NM.

Dailey, D., Buchanan, M., Trumble, J., & Cotabish, A. (July, 2019). STEMulate engineering academy: Authentic learning opportunities in STEM for low-income and diverse learners. Presented at the World Council Gifted and Talented Children 23rd Conference. Nashville, TN.

Dailey, D., & Buchanan, M. (2019, February). Providing authentic learning opportunities in STEM for low-income and diverse learners. Council for Exceptional Children, Indianapolis, IN.

Dailey, D., & Chamberlin, S. (2018, November). *Meeting math and science standards through engineering activities.* National Association for Gifted Children (NAGC), Minneapolis, MN.

Cotabish, A., Johnsen, S., Dailey, D., Corwith, S., Wen Lee, C. (2018, November*). Implementing the NAGC pre-K-grade 12 gifted programming standards: Strategies and resources.* National Association for Gifted Children (NAGC), Minneapolis, MN.

Trumble, J., & Dailey, D. (2018, October). *STEM curriculum and PBL: The effects of collaboration for student learning*. American Association for Teaching and Curriculum (AATC). Dallas, TX.

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., & Buchanan, M. (2020, February). *Technology tools for investigation, collaboration, presentation, and reflection.* Annual Conference of Arkansans for Gifted and Talented Education. Hot Springs, AR

Dailey, D. & Buchanan, M. (2019, July). *Enhancing student learning with technology.* Hot Springs Technology Institute. Hot Springs, AR.

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 tip*s. 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. (2019, November). *Redefining your curriculum using problem solving and the engineering design process*. Gifted Education Conference. Rutgers University.

Dailey, D. (2019, November). *Enhancing your curriculum: Integrating technology to improve student learning and engagement*. Gifted Education Conference. Rutgers University.

Buchanan, M., & Dailey, D. (2019, May). *Engaging gifted learners in real-world problem solving.* Presented at the Symposium for Special Education, Gifted and Twice Exceptional: Differentiating and Enriching Experiences. San Juan, Puerto Rico.

Dailey, D. (2018, November). *Enhancing student learning with technology.* Gifted Education Conference. Rutgers University.

Dailey, D. (2018, November). *Think like an engineer.* Gifted Education Conference. Rutgers University.

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.

Invited Webinars, Videos, and Podcasts

Dailey, D. (2020, July 7, 14, 21). *Nearpod: Delivering interactive lessons with embedded formative assessment* [Webinar]. University of Central Arkansas, College of Education.

Trumble, J., & Dailey, D. (2020, August 3). *Engaging in inquiry using online teaching tools* [Webinar]. Arkansas School for Mathematics, Science, and the Arts.

Dailey, D., Buchanan, M., & Trumble, J. (2020, July 9). *Utilizing technology tools for investigation in virtual and face to face learning* [Webinar]. University of Central Arkansas.

Dailey, D. (2020, May 21). *Utilizing technology tools for investigation in virtual and face to face learning* [Webinar]. e Arkansas River Education Service Cooperative.

Dailey, D. (2019). *Enhancing student learning with technology* [Video]. Rutgers University.

Dailey, D. (2019). *Dabrowski's Overexcitabilities: Embracing students supersensitivities and overexcitabilities* [Video]. Rutgers University.

Dailey, D. (2015). TAG TALKS: Providing STEM opportunities for gifted and advanced learners. CEC-TAG. http://cectag.com/members-only-page/

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

2021	English for Speakers of Other Languages (ESOL) Institute. Arkansas Department of Education ($133,236.00).
2019	SMART Bears: Smartphones and Media for Arkansas Science Teachers at UCA Bears: Meggers Project Award, funded ($4600.00)
2019	iPhysics, IES Grant , unfunded
2019	Project NYC, Jacob K. Javits, U.S. Department of Education, unfunded
2019	Project CODECS, Jacob K. Javits, U.S. Department of Education, unfunded
2019	Translating Engineers' Dispositions and Interpersonal Skills to the K-12 Classroom, Spencer Grant, unfunded
2018	STEMulate Engineering Academy, Arvest Bank ($5000)
2016, 2017	STEMulate Engineering Academy, Arkansans for Gifted and Talented Education ($5000, 2016; $4000, 2017)

2015, 2016, 2017, 2018	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

2019	COE Research Committee Grant ($1430)
2018	University Professional Development Grant ($500)
2017	University Professional Development Grant ($2200; Cotabish, Buchanan, Dailey)
2017	University Professional Development Grant ($1500).
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	Digital Age Professional Learning and Leading
UCA: College of Education	Advanced Secondary Strategies
UCA: College of Education	Classroom Management
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)
Rutgers University	Social and Emotional Development of Gifted Children
Rutgers University	Introduction to Gifted Education
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
MAT 6342	UCA	Advanced Secondary Strategies, New course

Professional Development Participation

2019	Computer Science Teachers Association Conference
2019	Council for Exceptional Children Leadership Institute
2018	Council for Exceptional Children Leadership Institute
2014-2019	Council for Exceptional Children Conference
2009-2019	National Association for Gifted Children Conference
2010-2018	American Education Research Association Conference
2009-2019	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

2019 University of Central Arkansas, College of Education, Outstanding Teaching Award
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.

Service to State and National Professional Organizations

Organization	Offices Held or Volunteer Service
State of Arkansas	2014-2015: K-6 Science Standards Review Committee
American Education Research Association (AERA)	2013- Present: Conference Proposal Reviewer
Arkansas Association of Gifted Education Administrators (AAGEA)	2014-2015: Fall Conference Chair 2012-2014: District V Director
Arkansans for Gifted and Talented Education (AGATE)	2019-2020: Conference Chair Hot Springs (375-400 attendees) 2018-2019: Conference Co-Chair Little Rock (400 attendees) 2018-2019: Legislative Committee 2018-Present: Treasurer 2014-2016: Nominating Committee 2015: Parent Affiliate Judge
Council for Exceptional Children (CEC)	2019-Present: TAG President Elect 2015-2019: TAG Secretary 2013-Present: Conference Proposal Reviewer
National Association for Gifted Children (NAGC)	2019-Present: Chair STEM Network 2019-Present: Co-Chair Professional Standards Committee 2017-2019 Chair-Elect STEM Network 2009-Present: Conference Proposal Reviewer 2020: PreK-12 Gifted Programming Standards Revision Committee 7 Service Publications (4 books)

Service to Academic Journals

Current Issues in Education-Reviewer
Gifted Child Today-Reviewer
Journal of Advanced Academics-Reviewer
Journal of Asia Pacific Education Review-Reviewer
Journal for the Education of the Gifted (JEG)-Editorial Review Board
Journal of Educational Research-Reviewer
Journal of Research in Science Teaching-Reviewer
Roeper Review-Reviewer
School Science and Mathematics-Reviewer

Service to the University

2015-Present Gifted and Talented (GATE) Graduate Program Coordinator

University Committees

August 2018- Faculty Senate (elected)
2017-2018 STEM Institute Science Specialist Search
2017-2018 Sponsored Programs Grant Writer Search
2017-Present Undergraduate Council

2017-2018	Undergraduate Council: Secretary
2017-2018	Arkansas Governor's School Application
2016-2018	University Research Council

College Committees

2018-Present	Chair of Graduate Program Coordinator Working Group
2015-2018	Research (Chair 2016-2018)
2017-2019	Faculty Awards
2017-2018	LEAD Chair Search
2016-2018	College Curriculum and Assessment
2016-2018	Professional Education Council

Department Committees

2019-2020	Clinical Promotion Committee
2019-Present	Tenure and Promotion Committee
2019-2020	Faculty Position Search Committee
2017-2018	Field Outreach Programs
2015	Clinical Faculty Position Search Committee Chair
2014- 2016	Curriculum Committee
2013- present	Graduate Faculty (Chair 2015-2016)
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

Service to the Public (Community)

2015-Present	Director of STEMulate Engineering Academy. Summer camp for Grades 3-6 students.
Spring 2018	Robotics Judge for Conway Gifted and Talented Students
Spring 2017, 2019	Presentation to Teacher Cadets
August 2017	J.A. Fair Professional Development for High School Science Teachers
October 2016	Simon Middle School Fall Family Festival
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