

DONNA L. GOVERNOR
Curriculum Vitae

University of North Georgia
Associate Professor of Science Education
Department of Middle Grades, Science & Secondary Education

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EDUCATION

- 2011 Ph.D. Science Education: *University of Georgia, Athens, GA*
1999 Ed.S. Curriculum & Instruction/ Instructional Technology: *University of West Florida, Pensacola, FL*
1988 M.A. Early Childhood Education: *University of West Florida, Pensacola, FL*
1982 B.A. Elementary Education: *University of West Florida, Pensacola, FL*
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PROFESSIONAL APPOINTMENTS/EMPLOYMENT

2016 – Present *University of North Georgia, Dahlonega, GA*: Associate Professor of Science Education
Courses Taught:

- ISCI 2001 Integrated Earth/Life Science (ELEM)
- ISCI 4002 Integrated Earth Science (MGED)
- ISCI 4003 Integrated Life Science (MGED)
- MGED4010 Classroom Management (MGED)
- SIED4184 Elementary Science Methods
- SIED4500 Secondary Science Methods
- EDGE6001 Characteristics of the Gifted Child
- EDGE6003 Methods/Strategies Gifted

Research Interests: Informal Science Education, Preservice Teacher Preparation, Instructional Strategies, Integrated Curriculum, STEM Teaching and Learning

2002 – 2016 *Forsyth County Schools, Cumming, GA*: Classroom Teacher
Primary Gifted (2002-2003)
Middle Grades Science (2003-2013)
High School Earth Science & AP Environmental Science (2013-2016)
Science Fair Coordinator, Robotics Coach, Family Science Night Coordinator

1984 – 2001 *Escambia County Schools, Pensacola, FL*: Classroom Teacher
Elementary K-5 (1984-1998)
Integrated Curriculum/Multi-age 6-7-8 (1998-2002)

RELATED WORK EXPERIENCE

2017 *JASON Project*: Curriculum Developer, *World of Waves*

2016 *University of Wisconsin*: Adjunct Online Instructor (Action Research)

2012 – 2013 *University of Wyoming*: Adjunct Online Instructor
Hubble Universe; Archaeoastronomy

1998 – 2010 *Montana State University*: Online Instructor
Geology of the Moon, Astrobiology for Teachers, Astronomy for Teachers,
Astronomy for Elementary Teachers, Comparative Planetology

1999 – 2000	<i>University of West Florida: Adjunct Instructor, Science Methods</i>
1997 – 2000	<i>NASA CERES Project: Online Curriculum Developer</i>
1997	<i>YOKOH Public Outreach Project: Online Curriculum Developer</i>
1995 – 1998	<i>Network Montana Project: Online Curriculum Developer</i>

AWARDS AND HONORS

2021	University of North Georgia, College of Education: Fieldale Scholar Award (Research)
2019	University of Georgia: David P. Butts Distinguished Alumni Award, Science Ed/COE
2019	University of North Georgia: Scholarship of Engagement Award
2016	Etowah River Keepers: Teacher of the Year
2014	National Association of Geoscience Teachers: Outstanding Earth Science Teacher of the Year Georgia
2011	Shell Science Teaching Award: Semi-finalist
2009	Channel 11 (Atlanta): Class Act Teacher Award
2008	Liberty Middle School: Teacher of the Year, Semi-finalist, Forsyth County (GA)
2007	National Science Foundation: Presidential Award for Excellence in Science Teaching (Georgia)
2004	Georgia Middle School Science Teacher (GSTA): District 2 Teacher of the Year
1998	Hallmark Elementary School: Teacher of the Year; Semi-finalist, Escambia County (FL)

PUBLICATIONS

Books:

Governor, D., Webb, D. (2019). *Staging Family Science Nights*. NSTA Press

Governor, D., Bowen, M. & Brunsell, E. (2016). *Big Data, Small Devices*. NSTA Press

Refereed Publications:

Governor, D. (2021). Real-Time Investigations Using Student Devices, *The Earth Scientist*. National Earth Science Teachers Association (V37, n2). P. 15-20

Governor, D., Lombardi, D., Duffield, C. (2021). Negotiations in scientific argumentation: An interpersonal analysis. *Journal of Research in Science Teaching*. (V58, n. 9) p. 1389-1424

Governor, D., Carter, A. (2021) *How hot is it? Reading thermometers to investigate weather*. *Science & Children*. NSTA Press. (V58, n.5). p. 48-54

Childers, G., **Governor, D.,** Britton, S., & Osmond, D. (2021). *Science Cafes: Exploring adults' motivation to learn science in a community space*. *Research in Science Education (RISE)*.
<https://link.springer.com/article/10.1007/s11165-020-09982-2>

Governor, D., Strickland K., and Bailey, J. (2020). Climate Changes of the Past: Engaging in Evidence-Based Argumentation. *The Earth Scientist*. (V36. n.3). p. 13-17

Governor, D. (2020). A Monarch Tapestry: Migrating from a thematic to an integrated curriculum. *Science & Children*. NSTA Press. (V58, n1). p 30-35

Governor, D., Osmond, D., Choi, S., Nelms, A., & Vazquez-Dominguez, M. (2020). Reshaping Preservice Teachers' Pedagogical Content Knowledge with Primary Source Documents. In M. Zhou (Ed.), *Open Educational Resources (OER) Pedagogy and Practices* (pp. 160-186). Hershey, PA: IGI Global. doi:10.4018/978-1-7998-1200-5.ch008

Governor, D., Hall, J. & Jackson, D. (2013) Teaching and learning science through song: Exploring the experiences of students and teachers, *International Journal of Science Education*. (V35, n 18). p 3117-3140

Governor, D. (2010) Mapping worlds. *Classroom Astronomer* (V1, n3)

Governor, D., Cetin-Dindar, A., Doney, P., Harper, J., Jenkins, L., Ortiz-Blanco, C., & Tippins, D. (2009) Solar paths: An international and integrated look at the sun and seasons, *Science Scope* (V32, n8)

Governor, D. (2007) Invite an alien to astronomy night, *Science Scope* (V31, n 3)

Governor, D. & Helms, S. (2007) Books, biodiversity & beyond, *Science Scope* (V30, n5)

Slater, T., Beaudrie, B., Cadiz, **Governor, D.,** Roettger, E., Stevenson, S., & Tuthill G. (2001) A Systematic approach to improving K-12 astronomy education using NASA's internet resources, *Journal of Computers in Mathematics and Science Teaching* (V20, n2)

Prather, E., **Governor, D.,** Simmerman, Al. (2000). *Planetary Zone of Habitability – The Goldilocks Problem*, Great Ideas for Teaching Astronomy, 3rd edition, Brooks/Cole Publishing

Reports:

Governor, D., Adams, K, Chang, D., Hardee, S., McFaden, K., Whelan-Kim, K., Whitaker, W., Zoll, J., Nelms, A. (2020). The University of North Georgia's Educator Preparation Provider's Qualitative Inquiry Report. Project report for CAEP Certification.

Governor, D., Osmond, D. (2018). Science Methods for Teachers. *University System of Georgia*. Project Report for the Affordable Learning Grant

Guest Blogs:

Pyle, E., **Governor, D.,** Crockett, C. & Connerly, A. (2021). *How Professional Organizations Can Support Noyce Scholars: The Case for NSTA*. American Association for the Advancement of Science: ARISE Blog. <https://aaas-arise.org/2021/05/12/how-professional-organizations-can-support-noyce-scholars-the-case-for-nsta/>

Governor, D. (2020). *Introduction to Grounded Theory* (Screencast). QualPage. <https://qualpage.com/2020/09/03/introduction-to-grounded-theory/>

Governor, D. (2020). *Introduction to Conversation Analysis* (Screencast). QualPage. <https://qualpage.com/2020/09/10/introduction-to-conversation-analysis/>

Dissertation:

Governor, D. (2011). *Teaching and learning science through song: Exploring the experiences of students and teachers* (Doctoral Dissertation). University of Georgia, Athens, GA.

Manuscripts Provisionally Accepted and/or in Press:

None at this time

Manuscripts in Review:

Childers, G., Greer, K., **Governor, D.**, James, V. (n.d.) *Oh, the Places We Learn! Exploring Interest in Science at Science Fiction Conventions*. Submitted to Research in Science Education, July, 2021

Klavon, T., Mohan S., Jaffe, J., Stogianos, T., Lombardi, D., & **Governor, D.** (n.d.) *Scaffolding Middle Students' Reasoning and Learning about Complex Geoscience Topics: Hydraulic Fracturing and Fossil Evidence*. Submitted to the Journal of Geoscience Education, July, 2021

Manuscripts in Production:

Governor, D., Osmond, D. (n.d.) *Exploring Nuclear Reactions through Hands-on Fusion and Fission Modeling*. Manuscript in preparation.

Governor, D., Texley, J. (n.d.). *Squirmies: A simulation of speciation*. Manuscript in preparation.

GRANTS AWARDED

Startalk: Chinese language immersion program with a STEM focus on Astronomy - National Security Agency / National Foreign Language Center (\$80,000) 2019: Key personnel, curriculum developer

Engaging the Public in Science: An UNG-Community Partnership—University of North Georgia Presidential Award (\$5,000) 2017-18: Principal Investigator (co-chair of the Dahlonega Science Festival; led organization, planning and production of the Science Festival).

Engaging Students in the Scientific Practices: Evaluating Evidence and Explanation in Secondary Earth Science – National Science Foundation (\$2.3 million) 2017 - 2022: Principal Investigator (workshop development, project materials development, coordinating Georgia workshop, research team)

Authoritative Science Publications for Education Majors (ASPEM) - Affordable Learning Georgia Textbook Transformation Grant (\$10,800) 2017-18: Principal Investigator (materials development, team leader)

Building STEM Knowledge and Skills through the Computer Electronic Engineering (CE2) Project and Multidisciplinary Collaborative Efforts—University of North Georgia Presidential Summer Incentive Award (\$10,000) 2016-17: Principal Investigator (led curriculum development and coordinated with project teachers)

PENDING GRANT PROPOSALS

None currently pending as of 10/1/2021

UNFUNDED GRANT PROPOSALS

Governor, D., Childers, G., Greer, K., Bradshaw, L., et.al. (2019) *Science in Fiction: Science Fiction Conventions as Avenues for Broadening Participation in STEM (SciFic)*. Submitted to NSF AISL Program

Governor, D., Greer, K., Childers, G., Bradshaw, L. (2018). *Putting the Science in Fiction: Science Fiction Conventions as Avenues for Broadening Participation in STEM*. Submitted to NSF AISL program, Unfunded

Governor, D., Greer, K., Childers, G., James, V. (2017) *Science Fiction Conventions as Avenues to STEM Learning*. Submitted to NSF AISL program, Unfunded.

Childers, G., Jones, M., **Governor, D.**, (2016) *STEM instructional coaching partnership*, submitted to NSF DRK-12 program, Unfunded

INVITED TALKS & PANELS

2020 Guest Panelist: *Setting up Convergence in STEM for Success: Roundtable Discussion to Establish Community Needs and Evaluation Metrics*.
NSF Roundtable Virtual Panel, Online

2017 Keynote Speaker: *Catching the Wave*
Jason Learning annual conference, Washington, D.C.

2017 Invited Speaker: *Launch Pad: Improving Science Literacy through Words and Media*
American Association of Physics Teachers (AAPT), Atlanta, GA

2016 Invited Speaker: *Lifeline of Stars*
Shanghai STEM+ Summit, Shanghai, China

CONFERENCE PRESENTATIONS & PAPERS

Research Conferences (Peer Reviewed)

Stogianos, T., Lombardi, D., Mohan, S., Jaffe, J., & **Governor, D.** (August 2021). *Instructional scaffolds to facilitate scientific and critical comparisons of geological phenomena*. Poster presentation submitted to the 31st Annual Meeting of the Society for Text & Discourse.

Governor, D., & Lombardi, D. (April 2021). *Negotiation to Consensus: Argumentation about Climate Change Evidence and Explanations*. National Association for Research in Science Teaching (NARST) Conference, Virtual.

Greer, K., Governor, D., & **Childers, G.** (July 2020). *Science fiction conventions as an informal learning space: Exploring attendees' attitudes about science*. STEM in Education 2020 Conference, Vancouver, Canada. [Conference Canceled due to Covid 19]

Governor, D., Childers, G., Greer, K., & James, V. (March 2020). *Thinking Beyond the Conference: Fan Conventions as Places to Communicate Science*. National Association for Research in Science Teaching Conference, Portland, OR. (Conference cancelled due to Covid 19)

Childers, G., **Governor, D.**, Greer, K., & James, V. (March 2020). *Exploring Science in a Science Fiction Convention Community: Convention Attendees' Perceptions of Science*. National Association for Research in Science Teaching Conference, Portland, OR. (Conference cancelled due to Covid 19)

Greer, K., **Governor, D.**, & Childers, G., (January, 2020). *Science Fiction Conventions as a Learning Space: Exploring Attendees Attitudes About Science*. Association for Science Teacher Education (ASTE), San Antonio, TX.

Childers, G., **Governor, D.**, & Greer, K. (October, 2019). *Science at science fiction conventions: Bridging science communication between convention attendees and science experts*. Texas Tech University, C&I Faculty Research Seminar: Carpe Diem, Lubbock, Texas.

Childers, G., Jarrard, M., Sacchitello, T., **Governor, D.**, & Simanton-Coogan, L. (April, 2019). *Science Festivals: Promoting Science Learning, Science Literacy, and Fun*. National Association for Research in Science Teaching Conference, Baltimore, MD.

Childers, G., Jarrard, M., Sacchitello, T., **Governor, D.**, & Simanton-Coogan, L. (January, 2019). *Science Gets Personal: Engaging the Public through Science Festivals*. The Association for Science Teacher Education International Conference, Savannah, GA.

Greer, K., **Governor, D.**, Childers, G., & James, Vaughan. (January 2019). *Bridging science fiction and science fact: Science Fiction Conventions as Informal Learning Environments*. The Association for Science Teacher Education International Conference, Savannah, GA.

Childers, G., **Governor, D.**, & Britton, S. (April, 2018). *Science and the community: Exploring individuals' motivations in attending science cafés*. American Educational Research Association, New York, NY.

Childers, G., Heimberger, T., **Governor, D.**, Linsky, L., & Kent, R. (April, 2018). *What does Appalachia mean to me? Investigating elementary and middle grades students' perceptions of Appalachian culture during Camp Appalachia*. Appalachian Studies Association Conference, Cincinnati, OH.

Childers, G., **Governor, D.**, & Britton, S. (March, 2018). *Promoting science through public engagement: Exploring citizens' science interest and motivation in attending science cafes*. National Association for Research in Science Teaching Conference, Atlanta, GA.

Childers, G., **Governor, D.**, & Britton, S. (January, 2018). *Bridging the gap between science and society: Exploring citizens' motivations and influences in attending science cafés*. The Association for Science Teacher Education International Conference, Baltimore, MD.

Childers, G., **Governor, D.**, & Britton, S. (October, 2017). *Science and the public: Engaging communities through science café experiences*. The Southeast Association for Science Teacher Education International Conference, Pensacola, FL.

Professional Conferences (Peer Reviewed):

Holzer, M., **Governor, D.**, (2020). *Promoting Argument-Driven Explanation in Earth and Environmental Science*. National Science Teaching Association (NSTA) National Conference, Boston, MA. (Conference cancelled due to Covid 19)

Governor, D., Webb, D., (2020). *NSTA Press Session: Staging Family Science Nights*. National Science Teaching Association (NSTA) National Conference, Boston, MA. (Conference cancelled due to Covid 19)

Governor, D., (2020). *Promoting Argument-Driven Explanation in Earth and Environmental Science*. Georgia Science Teachers Association (GSTA) Conference, Columbus, GA

Governor, D., Webb, D., (2020). *Staging Family Science Nights*. Georgia Science Teachers Association (GSTA) Conference, Columbus, GA

- Osmond, D., **Governor, D.** (2020). *Exploring Nuclear Reactions through Hands-on Fusion and Fission Modeling*. American Association of Physics Teachers Winter Meeting. Poster Session. Orlando, FL.
- Governor, D.**, Bowen, M. & Brunsell, E. (2019). *NSTA Press Session: Big Data, Small Devices*. National Science Teachers Association (NSTA) National Conference, St. Louis, MO.
- Holzer, M., **Governor, D.**, (2019). *NESTA and MEL2: Going Beyond the Controversy by Promoting Critique, Evaluation, and Argument in Earth Science*. National Science Teachers Association (NSTA) National Conference, St. Louis, MO
- Governor, D.**, Webb, D., (2019). *NSTA Press Session: Staging Family Science Nights*. National Science Teachers Association (NSTA) National Conference, St. Louis, MO.
- Governor, D.**, Carter, A., York, K., (2019). *Staging Family Science Nights*. Georgia Science Teachers Association (GSTA) National Conference, Columbus, GA
- Governor, D.**, Carter, A., York, K., (2019). *3D Learning through 5E Investigations*. Georgia Science Teachers Association (GSTA) National Conference, Columbus, GA
- Governor, D.**, Strickland, K. (2019). *Model-Evidence-Link Diagrams: Promoting Critique, Evaluation and Argument in Earth & Environmental Science*. Georgia Science Teachers Association (GSTA) National Conference, Columbus, GA.
- Governor, D.**, Strickland, K. (2018). *Going Beyond the Controversy: Promoting Critique, Evaluation and Argument in Earth Science*. National Science Teachers Association (NSTA) Regional Conference, Charlotte, NC.
- Vazquez-Dominguez, M., Choi, S., Grant, C., Childers, G., **Governor, D.**, & Hitz, M. (2018). *Breakthrough breadboards: Building STEM knowledge, practices, and skills through computer electronic engineering*. National Science Teachers Association (NSTA) National Conference, Atlanta, GA.
- Governor, D.**, Bowen, M. & Brunsell, E. (2018). *NSTA Press Session: Big Data, Small Devices*. National Science Teachers Association (NSTA) National Conference, Atlanta, GA.
- Governor, D.**, Osmond, D., (2018). *Flipping the Science Content Classroom for Preservice Elementary Teachers with the NSTA Learning Center*. National Science Teachers Association (NSTA) National Conference, Atlanta, GA.
- Governor, D.**, Patterson, H., Martin, J. (2018). *Catch Them Early! Establishing NSTA Student Chapters for Preservice Teachers*. National Science Teachers Association (NSTA) National Conference, Atlanta, GA.
- Governor, D.** (2017). *Using BYOT Technology for Real-Time Investigations in Earth and Environmental Science*. Pacific Basin Teaching Conference, Kona, HI
- Governor, D.** (2017). Panelist. VOICES Virtual Conference., Online at: <https://www.causeweb.org/voices/>
- Governor, D.** (2017). *Earworms and Melodies: Teaching Science Through Songs*. National Science Teachers Association (NSTA) National Conference, Los Angeles, CA.
- Governor, D.**, Bowen, M. & Brunsell, E. (2017). *Using BYOT Technology for Real-Time Investigations in Earth and Environmental Science*. National Science Teachers Association (NSTA) National Conference, Los Angeles, CA.

Governor, D. (2017). *Big Data, Small Devices: Using BYOT Technology for Real-Time Investigations in Earth and Environmental Science*. Georgia Science Teachers Association (GSTA) Conference, Stone Mountain, GA.

Governor, D. (2017). *NSTA learning center: The ultimate science teacher resource*. Georgia Science Teachers Association (GSTA) Conference, Stone Mountain, GA.

Governor, D. (2016). *Big Data, Small Devices: Using BYOT Technology for Real-Time Investigations in Earth and Environmental Science*. Georgia STEM Forum, Athens, GA.

Governor, D., Webb, D. (2016). *Science Ambassadors: Partnering Elementary and High Schools for STEM Night Events*, National Science Teachers Association (NSTA) National Conference, Nashville, TN.

Governor, D., (2016). *Earworms & Melodies: Teaching Science through Song*. National Science Teachers Association (NSTA) National Conference, Nashville, TN.

Governor, D. (2016). *NSTA learning center: Unlimited resources for K-12 teachers*. Georgia STEM Forum, Athens, GA.

Presentations made prior to 2016 not listed above include:

- Georgia Science Teachers Association (2005+)
- National Science Teaching Association (1998+)
- National Middle School Teachers Association (1999-2000)
- National Teacher Training Institute (1997-2000)
- Florida Council of Elementary Teachers (1998)

PROGRAM EVALUATION

Governor, D. (2016). *Launch Pad*. The primary goal of the program is to teach writers, editors, and those with audiences of all types about modern science, specifically astronomy, and in turn to reach their audiences. Provided timely, evaluative feedback to grant funding agency (NASA) on project effectiveness in a mixed methods format, related to learning and program outcomes.

Governor, D. (2012-2014). *Faculty Institutes for Earth and Space Science Education (FINESSE)*. The purpose of the FINESSE II program was to develop, iteratively refine, and deliver a series of faculty institutes in understanding and implementation of best education practices in Earth and Space science education. Provided timely, evaluative feedback to grant funding agency (NSF) on project effectiveness in a mixed methods format, related to learning and program outcomes.

Governor, D. (2010-2012). *Robotics for 21st Century Students (R21)*. This leadership institute for Wyoming's K-12 teachers was designed to integrate technology and science inquiry using the targeted themes of robotics, robotically controlled telescopes, robotically controlled wind turbines and solar energy panels. Provided timely, evaluative feedback to grant funding agency (NSF) on project effectiveness in a mixed methods format, related to learning and program outcomes.

TEACHER WORKSHOPS

Governor, D., Bailey, J., Strickland, K., Lombardi, D., Klavon, T. (2021) *Engaging Students in the Scientific Practices: Evaluation in Secondary Earth and Environmental Science Classes*. Virtual workshop for Georgia secondary teachers..

Governor, D., Bailey, J., Matayos, A., Strickland, K. (2019). *Engaging Students in the Scientific Practices: Evaluation in Secondary Earth and Environmental Science Classes*. Forsyth County Schools, Cumming, GA.

Governor, D., Lombardi, D., Bailey, J., Matayos, A., Klavon, T., Strickland, K. (2018). *Engaging Students in the Scientific Practices: Evaluation in Secondary Earth and Environmental Science Classes*. Forsyth County Schools, Cumming, GA.

Governor, D., Patterson, H., Osmond, D. (2017). *Georgia's New Standards for Excellence in Science*. Lumpkin County Schools, Dahlonega, GA.

Governor, D., (2017). *Georgia's New Standards for Excellence in Science*. Banks County Schools, GA.

Texley, J., **Governor, D.,** Patterson, H. (2017). *World of Waves*. JASON Annual Conference, Washington, D.C.

SERVICE

Professional Level

2020 – 2023	<i>NSTA Board of Directors: Division Director, Preservice Teacher Preparation</i>
2020-2023	<i>NSTA Liaison to Association of Science Teacher Education (ASTE) Board of Directors</i>
2020-2023	<i>NSTA Liaison to National Association of Geoscience Teachers (NAGT) Board of Directors</i>
2020 – 2023	<i>CITE Editorial Review Board</i>
2020	<i>NARST Strand Co-Coordinator for 2021 Conference</i>
2019	<i>NARST Conference Proposal Reviewer: Preservice Teacher Division</i>
2019	<i>ASTE Conference Proposal Reviewer</i>
2018	<i>AERA Conference Proposal Reviewer</i>
2015	<i>Standards Revision Team -Georgia DOE - Earth Systems</i>
2016 – 2019	<i>Association of Presidential Awardees in Science Education (APAST): Secretary</i>
2013 – 2016	<i>National Science Teaching Association (NSTA): District V Director, Council Member,</i>
2010 – 2016	<i>Georgia Science Teachers Association (GSTA): District II Director, Vice President, President Elect, President, Executive Director, Conference Chair, Webmaster</i>

University Level

- 2016 – Present UNG - NSTA Student Chapter - Faculty Sponsor
- 2019 – Present UNG General Education Committee
Appointed member
- 2019 - Present Scholarship Committee
Reviewing student scholarship applications
- 2018 – 2021 COE Committee Member: Assessment Committee
Subcommittee Chair (2020): Qualitative Review (CAEP Certification Report)
- 2018 – 2020 Diversity and Recruitment Committee
Subcommittee Chair: Faculty Goals Subcommittee
- 2017-2020 UNG - Search Committees
- Assistant/Associate Professor, Middle/Secondary Education (Spring 2021) (10042712)
 - Limited Term Assistant professor, Science Education (Summer 2019) (10043332)
 - Assistant/Associate Professor, Early Childhood and Special Education – Autism (Fall 2017) in Teacher Education (53001084)
- 2018 – 2019 UNG – Community Engagement Committee
Assisted in drafting Carnegie Community Engagement application
- 2018 UNG – Presidential Award Grant Reviewer
- Other University Service:
- | | |
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| 2019 | Substitute Planetarium Operator |
| 2017 | Regional Engagement Forum |
| 2017 | Science Olympiad Volunteer |
| 2018 | Academic Advising |
| 2018 – 2019 | PAGE Day |
| 2016 – 2019 | Open House |

Community Level

- 2017 – Present *Dahlonega Science Council*: Co-Chair (2017-20), Treasurer (2020+); Dahlonega Science Festival Organizer, Initial founder
- 2016 – Present *Dahlonega Science Café*: Organizer and original founder
- 2019 UNG Apollo 11 Anniversary Program: Activities
- 2017 UNG Solar Eclipse Program: Activities

DOCTORATE DISSERTATION CHAIR APPOINTMENTS

- 2020 + Kendra Ramey, University of North Georgia (est. completion 2023)
- 2019 - 2020 David Yernall, University of North Georgia – completed 12/2020
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CERTIFICATIONS

2020	Qualitative Studies Graduate Level Certification; University of Georgia	
2014	AP Environmental Science	
2002 – 2022	Georgia Teacher Certification	
	K-5 Primary/Elementary	Broad Field Science 6-12
	Middle School Science	Earth Systems Science 6-12
	Middle School Language Arts	Gifted In-Field Endorsement
	Middle School Social Studies	Teacher Support Specialist
	Middle School Math	ESOL Endorsement

MEMBERSHIPS:

2021 – Present	National Association for Gifted Children (NAGC)
2020 – Present	Association for Middle Level Education (AMLE)
2016 – Present	Association for Science Teacher Education (ASTE)
2011 – Present	National Association of Research in Science Teaching (NARST)
2006 – Present	Georgia Science Teachers Association (GSTA)
1994 – Present	National Science Teaching Association (NSTA)
