

Curriculum Vitae

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Profile:

I am a profession of Science Education at the University of North Georgia. Prior to entering high education I was a veteran educator with 32 years K-12 experience. I am the 2007 Georgia Presidential Awardee for Excellence in Science Teaching and the 2014 Georgia Outstanding Earth Science Teacher. I hold a PhD in Science Education from the University of Georgia and have an EdS in Curriculum & Instruction with a focus on Instructional Technology. Since 1998 I've co-taught graduate level courses for teachers online. I have been an active member of GSTA and NSTA and served in leadership capacity for both associations.

Teaching Experience:

- 2016 – Present University of North Georgia; Dahlonega, GA; Assistant Professor of Science Education
- 2013 - 2016 North Forsyth High School; Cumming, GA; Earth Science, Environmental Science, AP Environmental Science
- 2003 – 2013 – Liberty Middle School; Cumming, GA; Grades 6, 7 & 8 Gifted Science (Earth-Space, Life & Physical Science)
- 2002 – 2003 – Mashburn Elementary School; Cumming, GA; Primary Gifted Teacher
- 1998 -2002 - Brown Barge Middle School; Pensacola, Florida; Grades taught: 6, 7 & 8, Integrated curriculum
- 1985 - 1998 - Hallmark Elementary School; Pensacola, Florida; Grades taught: K, 2, 4, 5, 4/5 Multiage
- 1984-1985 - Jim Allen Elementary, Cantonment, Florida; 4th Grade Teacher

Education:

- 2011 - PhD. University of GA – Science Education
- 1999 - Ed.S. University of West Florida - Curriculum & Instruction - Instructional Technology
- 1988 - M.A. University of West Florida - Early Childhood Education
- 1982 - B.A. University of West Florida - Elementary & Early Childhood Education

Publications:

- Governor, D., Bowen, M. & Brunsell, E. (2016). *Small Devices, Big Data*. NSTA Press
- Governor, D., Hall, J. & Jackson, D. (2012) 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)

Teaching Related Activities:

- Sponsor, Science Ambassador Program, 2014+ Managing Events Connecting High School & Elementary students
- Content Team Leader, 2014+ Earth Systems Content Team Leader, North Forsyth High School
- Science Fair Coordinator, 2005-2013 – As many as six state winners each year produced
- Family Science Night Sponsor, 2007-2013 – Student Run - Latest attendance estimated at approx. 1000
- Robotics Coach, 2005-2008, 2011-12 – Sponsored/Coached FLL Teams

Professional Recognitions:

- 2016 Etowah River Keepers Alliance Teacher of the Year
- 2014 Georgia Outstanding Earth Science Teacher; National Association of Geoscience Teachers
- 2011 Shell Science Teaching Award – Semi-finalist
- 2009 Channel 11 (Atlanta) Class Act Teacher Award
- 2007 Georgia Presidential Award for Excellence in Science Teaching
- 2007 Liberty Middle School Teacher of the Year
- 2003 GSTA Dist. 2 Middle School Science Teacher
- 1998 Hallmark Elementary Teacher of the Year

Georgia Teaching Certification:

- High School General Science
- High School Earth/Space Science
- Middle Grades Science
- Middle Grades Social Science
- Middle Grades Language Arts
- Middle Grades Math
- Gifted – In Field
- Elementary P-5
- TSS – Teacher Support Specialist

Related Professional Activities & Experiences:

JASON Project

- Curriculum Development, Professional Development & Keynote Speaker, June 2017
3-D Science Learning & Georgia Standards for Excellence – Workshop

- Lumpkin & Banks Counties Georgia, 2017

AAPT

- Invited Speaker, 2017

Dahlonoga Science Café

- Organizer, 2016+

Association of Past Awardees for Science Teaching

- Secretary, 2016-18

National Earth Science Teachers Association

- Southeast Regional Director, 2016-18

National Science Teachers Association

- Council Representative for District V (FL, GA, AL, VI, PR), 2013-16
- Conference Strand Leader: Nashville 2016 (National) and 2012 Atlanta (Regional)

Georgia Science Teacher's Association

- Executive Director – 2015-16, President – 2014-15, President-Elect, 2013-14, Vice President, 2012-13, District II Director, 2010-2012, Webmaster 2010-15, Membership Chair 2012-13, Conference Chair 2016

Program Evaluator – Present

- Launch Pad Writers Workshop for Science Fiction & Fantasy Writers, 2016
- NASA FINESSE Program, 2012-14
- R21 - Robotics & Engineering Program, 2010-2012

Textbook Reviewer

- *Environmental Science, Sustaining Your World*; Miller & Spoolman, pub. Cengage Learning. 2016 edition

Session Presenter – 1996-2016 – Regular presenter at education conferences including

- Multiple years each: GSTA, NSTA, NMSA

Dragoncon Professional Guest

- Panellist for multiple panels each year including: “What’s New in Science Education,” “Science & Song,” “Hands on Science Power Hour,” “Citizen Science” and more, 2012-2016

Co-Instructor – Online Graduate Courses for Teachers

- 2016, University of Wisconsin, Action Research
- 2012-13, University of Wyoming, Hubble Universe, Archaeoastronomy
- 1998-2011, Montana State University, Geology of the Moon (2010), Advanced Astrobiology for Teachers (2009 – 2011), Astronomy For Teachers (2004-2009), Comparative Planetology (1998 – 2002)

TOPS - Towards Other Planetary Systems

- Participant, Workshop in Astronomy Education, U. of HI & Inst. for Astronomy, HI, 2001-2003

Data-Stream - Implementation Team Leader

- On-line Meteorology Graduate Course for Educators, Fall 1999, Spring 2000

Adjunct Instructor - University of West Florida - Graduate Level Courses

- Secondary Science Methods & Elem. Science & Social Studies Methods, 1999 – 2000

National Teacher Training Institute

- Curriculum Development and Workshop Facilitator: Math, Science and Technology, 1997-2000

NASA Ceres Projec

- Writing NASA Internet based lesson plans for Space Science and Astrobiology, 1997 – 2000

YOHKOH Public Outreach Project

- Development of Internet based lesson plans around the Yohkoh Solar X-Ray Satellite data, 1997

Network Montana Project

- Curriculum Development - National Science Foundation Project, 1995 – 1998