

Laura Michelle Crowe

EDUCATION

2009-16	Ph.D.	Auburn University, Auburn, AL	General Science Education
2005-08	Ed.S.	University of Georgia, Athens, GA	Secondary Science Education
2003-04	M.S.	Columbus State University, Columbus GA	Secondary Science Education- Biology
1995-01	B.S.	Auburn University, Auburn, AL	Microbiology

CERTIFICATIONS

2018-present	Jacksonville State University, Jacksonville, AL	Instructional Leadership
2018-present	National Board Certification	Early Adolescence-Science
2005-09	Georgia Gifted In-Field Endorsement	

EXPERIENCE

2020-present	East Alabama Regional Inservice Center Director	Auburn University, AL
2016-19	Adjunct Professor/Instructor	Southern Union State Community College, Opelika, AL
2008-20	Eighth Grade Physical Science	Auburn Junior High School, Auburn, AL
2009	Adjunct Professor	LaGrange College, LaGrange, GA
2004-08	Sixth-Eighth Grade Gifted Science	Conyers Middle School, Conyers, GA
2006-08	Research Instructor	Conyers Middle School, Conyers, GA

PROFESSIONAL DEVELOPMENT

2022	LETRS Training for Administrators. Provided by Alabama Reading Initiative and the Alabama State Department of Education. Focused on the science of reading and supporting administrators with the science of reading.
2022	Leading a High Reliability School. The professional development focused on a book by Robert Marzano and the High Reliability framework.
2021	Data-Based School Reform. This was an eLearning course designed to help administrators use data and facilitate growth in student achievement.
2018	Global Learning and Observations to Benefit the Environment (GLOBE)/ One-day training. Space and Rocket Center/Huntsville (focused on activities that allow students to collect data that is added to world-wide databases viewed by scientists and other educators throughout the world.)
2018	Apple Teacher/ On-line professional development course in order to enhance teaching and learning by incorporating Apple products
2017	NASA Follow-on Training/ three-day training. Mega Conference/Mobile (continued focus on history of space program and incorporating NASA materials into curriculums)
2016-17	Time for Technology/ year-long professional development (focused on integrating novel technologies in the classroom)
2016	Capturing Kids' Hearts/ three-day training (focused on student team building skills/social contracts)
2016	Alabama Space Academy for Educators/ one-week professional development/Marshall Space Flight Center (focused on history of space program and incorporating NASA materials into curriculums.)
2016	Sixth-Eighth Grade NASA Training/ Marshall Space Flight Center/three-day training
2015-16	College and Career Readiness Science Training/ year-long training (focused on new Alabama Course of Study for eighth grade physical science)
2012	Project Learning Tree (PLT)/ three- day workshop (focused on incorporating activities related to biology and wildlife)
2008	Eighth Grade Alabama Math, Science, and Technology Initiative (AMSTI)/ two-week training held for two years for a total of four weeks (focused on incorporating AMSTI materials into eighth grade physical science)

2007	Advancement Via Individual Determination /one-week training (college readiness program)
2005	Science Olympiad /one-week training (training on Science Olympiad events)
2005	Math and Science Partnership Training /year-long training (focused on incorporating math and science into a physical science curriculum)

PROFESSIONAL LEADERSHIP

2021	Alabama Extended Learning Opportunities Act Committee	Montgomery, AL
2020-present	Auburn University Phi Kappa Phi Chapter Officer-Secretary	Auburn University, AL
2019-22	Alabama National Board Network Board of Directors	Alabama
2017-18	Learning Environment Strategic Planning Committee	Auburn City Schools, Auburn, AL
2017	National Association for Research in Science Teaching (NARST) Proposal Reviewer	Atlanta, GA
2017	International Writing Across the Curriculum (IWAC) Conference Proposal Reviewer	Auburn University, Auburn, AL
2016-17	Technology Roadmap Strategy Team	Auburn City Schools, Auburn, AL
2016-18	6 th -8 th Grade NASA Teacher Lead	East Alabama Region (EARIC) 9 Representative
2015-19	Hal Moore Leadership Academy Sponsor	Auburn Junior High School, Auburn, AL
2015-16	Elementary Science Olympiad Coach	Wrights Mill Road Elementary, Auburn, AL
2014-15	Strategic Planning Committee	Auburn Junior High School, Auburn, AL
2012-19	Foundation for Auburn's Continued Enrichment in Schools (FACES) Mentor	Auburn Junior High School, Auburn, AL
2012-19	School Leadership Team	Auburn Junior High School, Auburn, AL
2012-15	Data Support Intervention Team Chair	Auburn Junior High School, Auburn, AL
2012-15	Supervisor of Elementary Lessons	Auburn University, Auburn, AL
2012-19	Intern/Pre-Service Teacher Supervisor	Auburn Junior High School, Auburn, AL
2007-08	Science Fair Committee	Conyers Middle School, Conyers, GA
2007	Inquiry Instructional Design Committee	Conyers Middle School, Conyers, GA
2007	Summer Research Camp Coordinator	Conyers Middle School, Conyers, GA

CONFERENCE PRESENTATIONS

2022	Define, Design, and Align. Morgan, H., Hulon, S., Maze, P., & Crowe, L. MEGA Conference.
2018	Bridging Writing and Reading with Inquiry to Prepare Future STEM Leaders. Crowe, L. International Writing Across the Curriculum Conference (IWAC).
2018	Assessment of Science Teachers' Self-Efficacy Levels of Science and English Language Learners. Crowe, L. & Russell, M. National Association for Research in Science Teaching (NARST).
2018	Integrating Nanotechnology into the Middle School Classroom. Jeelani, S., Qazi, M., Banks, C., Ellis, R., Thomas, M., Laurencio, D., Crowe, L., & Russell, M. National Science Teachers Association (NSTA).
2018	Amphibians and Reptiles Rock: An Informal Science Education Project for Elementary-Aged Students in Rural Alabama. Shepard, J., Lolley, J., Laurencio, D., Thomas, M., Russell, M., & Crowe, L. National Science Teachers Association (NSTA).
2017	Promoting Literacy Strategies Within a Performance-Based Science Classroom. Crowe, L. Alabama Science Teachers Association.

- 2016 **Cell Phones and Assessment in the Classroom.** Crowe, L. & Williams, C. Alabama Educational Technology Conference.
- 2016 **NASA Teacher LEADS: Incorporating NASA STEM Resources into a 6-8 Classroom.** Suchman, K. & Crowe, L. Alabama Educational Technology Conference.
- 2015 **Pre-service Science Teachers and Cultural Diversity: What Do They Learn From Their Internship Experience?** Laurencio, D., Belford, S., Crowe, L., Russell, M., & Russell, J. Southeastern Association for Science Teacher Education Annual Conference.
- 2014 **Students' Pre-conceptions and Post-conceptions Regarding Science Vocabulary in a Forces and Motion Unit.** Crowe, L., Russell, M. & Ross, M. Eastern Educational Research Association.
- 2013 **Exploring Alternative Field Placements: Pre-service Teachers and the Informal Classroom Setting.** Laurencio, D., Crowe, L., Belford, S., and Russell, M. Innovations in Science Teaching and Learning Conference.
- 2011 **Achieving Ecojustice through Informal Science Education.** Crowe, L., Belford, S., Laurencio, D., and Russell, M. Southeastern Association for Science Teacher Education Conference.

GRANTS

- 2019-2020 Foundation for Auburn's Continued Enrichment in Schools (FACES). **Keep Calm and Solar On!** Top scoring grant in Auburn City Schools.
- 2018-19 Foundation for Auburn's Continued Enrichment in Schools (FACES). **A Celebration of Alabama's Contribution to Apollo 11.** \$599.97. Top Scoring Grant for Auburn Junior High School.
- 2018-19 PTO Grant. **The Phantom Menace and How the Empire Really Struck Back.** \$450.
- 2017-18 PTO Grant. **AJHS Rocket Science Day.** \$500.00.
- 2017-18 PTO Grant. **Hal Moore Leadership Academy Project.** \$463.50
- 2017-18. undation for Auburn's Continued Enrichment in Schools (FACES). **Attach Yourself to Something Larger I & II.** \$598.75 each.
- 2016-17 Foundation for Auburn's Continued Enrichment in Schools. (FACES). **Red Rover, Red Rover, Bring Colonization to Mars Right Over** \$600. Top Scoring Grant for Auburn Junior High School.
- 2011-12 Foundation for Auburn's Continued Enrichment in Schools. (FACES) **River, Lake, Stream, and Ocean: Whether or Not It Will Float Depends on the Potion** \$530.
- 2011-12 Foundation for Auburn's Continued Enrichment in Schools. (FACES) **You Are What You Eat: You Are What You Drink... Sometimes With Water You are Getting More Than You Think.** \$488.
- 2010-11 Foundation for Auburn's Continued Enrichment in Schools. (FACES) **Digging Into pH.** \$525.
- 2010-11 Foundation for Auburn's Continued Enrichment in Schools. (FACES) **There's More to Pumpkins Than Just Pies.** \$505.
- 2009-10 Foundation for Auburn's Continued Enrichment in Schools. (FACES) **Using Peas in a Pod for Casting Ancient Greece.** \$520.
- 2009-10 Foundation for Auburn's Continued Enrichment in Schools. (FACES) **Color and Luster, How Much Heat Can You Muster?** \$387.

PUBLICATIONS

- 2016 **Your MA is a Force to Be Reckoned With.** Alabama Learning Exchange. This lesson was created as part of the 2016 NASA STEM Standards of Practice Project for eighth grade physical science.

- 2016 **Touchdown Challenge: A Physical Science Mission to Mars.** Alabama Learning Exchange. This lesson was created as part of the 2016 NASA STEM Standards of Practice Project for eighth grade physical science.
- 2015 **Love our coral reefs.** Russell, M., Belford, S., Crowe, L., & Laurencio, D. (2015) *Green Teacher*, 107, p. 29-32.

AWARDS AND HONORS

- 2020 Carol Pittard Award. Top Scoring FACES grant for Auburn City Schools.
- 2017 Alabama State Department of Education National Board Certification Scholarship Recipient
- 2016 Auburn Junior High School Certificate of Excellence
- 2016 Phi Kappa Phi National Honor Society
- 2014 Auburn University College of Education, Department of Curriculum and Teaching Outstanding Graduate Student
- 2012 Foundation for Auburn's Continued Enrichment in Schools (FACES) Award of Excellence Nominee

PROFESSIONAL ORGANIZATIONS

- 2016-19 National Science Teachers Association (NSTA)
- 2015-19 Alabama Science Teachers Association (ASTA)
- 2010-19 Alabama Education Association (AEA)
- 2010-19 National Education Association (NEA)
- 2010-19 Auburn City Educators Association