

Jennifer L. Regelski, Ed.D.

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Areas of Specialization and Competence:

- Science, Technology, Engineering, & Mathematics (STEM) pedagogy and best practices
- Educational technology and the potential benefits in the K-12 classroom
- Science efficacy of students and teachers
- Motivation for STEM teaching and learning
- Educational policy and its implication on classroom practice
- The science of learning and data-supported practices that promote student achievement

Educational Experience:

Institution: Wilmington University, New Castle, Delaware
Degree: Doctor of Education (Ed.D.), Educational Leadership
Completed: August 2013
Dissertation: *What about Science? The Effects of Adequate Yearly Progress on Science Standardized Test Scores*

Institution: Miami University, Oxford, Ohio
Degree: Master of Arts in Education, Life Science
Completed: August 2003

Institution: Otterbein University, Westerville, Ohio
Degree: Post-baccalaureate teaching certification, Biology
Completed: June 1999

Institution: The Ohio State University, Columbus, Ohio
Degree: Bachelor of Arts, Zoology
Completed: June 1995

Professional Experience:

2019-present Science Teacher, Hamilton Southeastern High School, Fishers, Indiana
2015-2019 Assistant Professor, Secondary and STEM Education, Marian University, Indianapolis, Indiana
2013–2015 Assistant Professor & Science Education Program Coordinator, University of South Carolina Aiken, Aiken, South Carolina

2011–2013	Science and Special Education Teacher, Polytech High School, Woodside, Delaware
2008–2011	Science and Special Education Teacher, Smyrna High School, Smyrna, Delaware
1999–2007	Science Teacher, Lincoln High School, Gahanna, Ohio
1997–1999	Reading and Mathematics Teacher. Homeless Families Foundation, Columbus, Ohio

University Courses Taught:

Marian University:

- EDU224, Protocols of Effective Classroom Observation, undergraduate, 4 semesters
- EDU307, Science of Learning, undergraduate, 2 semesters
- EDU419, Best Practices for Teaching, undergraduate, 1 semester
- EDU255, Introduction to Schools and Society, undergraduate, 3 semesters
- EDU446, Creating Positive Classroom Experiences, undergraduate, 8 semesters
- EDU454, Teaching in the High Schools, undergraduate, 4 semesters
- EDU491, Clinical Internship Seminar, undergraduate, 3 semesters
- EDU453, Teaching in the Middle School, undergraduate, 2 semester
- EDU255, Introduction to Secondary Schools, undergraduate, 2 semester
- TLL626, STEM Leadership and Digital Literacy, graduate, 2 semester, 2 sections

University of South Carolina Aiken:

- EDUC242, Resources for Teaching, undergraduate, 2 semesters
- EDEC436, Science and Social Studies in Early Childhood, undergraduate, 2 semesters
- EDEL432, Teaching Science in the Elementary School, undergraduate, 4 semesters
- EDSE446, Secondary Classroom Management and Assessment, undergraduate, 1 semester
- EDSE491, Clinical Internship, undergraduate, 4 semesters
- EDSE453, Secondary Science Teaching Methods, undergraduate, 2 semesters
- EDEX440, Assistive Technology, undergraduate, 1 semester
- EDEX430, Emotional and Behavioral Disorders, undergraduate, 1 semester

Thesis/Dissertation Committees:

- Mason, L.L. (2016). *Are We Ready to Web 2.0? Web 2.0 in Higher Education Classrooms* (Doctoral Dissertation). Wilmington University, New Castle, DE.

- Keebles, K.E. (2016). *What's in an A? A Quantitative Study on the Grading Perceptions of Middle School and High School Math Teachers* (Doctoral Dissertation). Wilmington University, New Castle, DE.

Publications:

- Regelski, J.L. *A historical view of science education, the policies, and where we are today.*
Under Review
- Regelski, J.L. (May 2014). *What about science? The importance of motivating students in the middle school science classroom.* South Carolina Middle School Association Journal

Presentations:

- Regelski, J.L. & Gardner, D. "BYOD Implementation: A Detailed Look into One School's Story", Indiana Non-Public Education Conference, Indiana Convention Center, Indianapolis, IN, September 2016
- Gardner, D. & Regelski, J.L. "Online Assessment: PlayPosit v. Socrative", Faculty Con, Marian University, Indianapolis, IN, May 2016
- Regelski, J.L. "Engineering Design: One Small Step at a Time", Indiana STEM Conference, Purdue University, West Lafayette, IN, January 2016
- Regelski, J.L. & Cindric, T. "Scientific Argumentation Using Online Simulations", National Science Teacher Association Virtual Conference, April 2015
- Regelski, J.L. & Newsom, P. "Using Technology to Enhance Instruction", University of South Carolina Aiken, Center for Teaching Excellence, Brown Bag Lunch Series, March 2015
- Coleman, B., Reid, T., Jackson, B., & Regelski, J.L. "Building STEM Partnerships from Middle School and Beyond", STEM Symposium, Aiken Technical College, Aiken, SC, January 2015
- Regelski, J.L. & Smalley, D. "Baby Steps to Engineering Design", South Carolina Science Council Conference, Myrtle Beach, SC, October 2014
- Smalley, D. & Regelski, J.L. "Using Manipulatives to Teach Chemistry", South Carolina Science Council Conference, Myrtle Beach, SC, October 2014
- Cindric, T. & Regelski, J.L. "Scientific Argumentation Using Online Simulations", NSTA STEM Forum, New Orleans, LA, May 2014
- Regelski, J.L. "Baby Steps: Introducing Engineering Design in the Middle School Classroom", NSTA STEM Forum, New Orleans, LA, May 2014 (sample presentation, see Appendix C)

- Coleman, B., Reid, T., Jackson, B., and Regelski, J.L. "Building STEM Partnerships from Middle School and Beyond", STEM Symposium, Aiken Technical College, Aiken, SC, January 2014

Grants:

- Hamilton Southeastern Education Foundation Grant, \$3,500, Principal Investigator; funded
- Toshiba Innovation Grant, \$12,000, 1-year proposal, Co-Principal Investigator; funded
- Hamilton Southeastern Education Foundation Grant, \$2,500, Principal Investigator; funded
- College and Career Readiness Grant, \$2.5 million, 5-year proposal, CHE, Principal Investigator, directed a 6-person grant committee, 7 local and state partnerships established; not funded
- RISE Grant, \$5,000, 1-year proposal, University of South Carolina Statewide University System; not funded

Professional Memberships:

- American Association for Colleges of Teacher Education
- National Science Teachers Association
- Hoosier Association of Science Teacher Education
- Kappa Delta Pi
- Association for Supervision and Curriculum Development

Institutional Service:

- District Evaluation Committee, 2024-2025
- HSEA Association Representative, 2021-2025
- Assistant Coach, Unified Flag Football, 2025
- Graduation Coordinator, 2022-2023
- Riley Dance Marathon co-sponsor, 2021-2023
- Hamilton Southeastern Education Association, Union Building Representative, 2020-present
- Marian University Strategic Enrollment Management Council, 2016-2017
- Marian University Educator College Curriculum Committee, 2016-2017
- Nature Center Curriculum and Resource Development, 2015-2017
- Marian University Technology Committee, 2016-2019

- Marian University General Education Committee, 2015-2016
- Marian University, School of Education and Exercise Science Presentation - Regelski, J.L. "Using Video in Your Classroom", TechTalk, School of Education and Exercise Science, Marian University, Indianapolis, IN, September 2015
- Marian University, School of Education and Exercise Science Presentation - Regelski, J.L. "Online Assessment", TechTalk, School of Education and Exercise Science, Marian University, Indianapolis, IN, November 2015
- Ruth Patrick Science Education Center at University of South Carolina Aiken, Advisory Board Member, May 2014 to May 2015
- University of South Carolina Aiken Center for Teaching Excellence Steering Committee, 2014-2015
- Faculty Search Committees, Early Childhood Education and Educational Psychology Faculty Search, 2014-2015
- Omega Phi Alpha Sorority Faculty Advisor, 2014-2015
- University of South Carolina Aiken, School of Education Diversity Committee, 2013-2015
- University of South Carolina Aiken, School of Education Professional Education Committee, 2013-2015
- Science Education Enrichment Day (SEED) Demonstration Volunteer, Ruth Patrick Science Education Center, volunteered, 2013-2015
- PACE Corps Faculty Representative, University of South Carolina, School of Education Student Organization, 2013-2014

Community Service:

- iSTEM Resource Network Evaluation Team Chair, 2016-2017
- iSTEM Resource Network Steering Committee, 2015-2017
- Aiken County Teacher of the Year Selection Committee, January 2015 - April 2015
- Aiken Standard Guest Columnist Article, "STEM Education for All", December 3, 2014
- Secondary Biology Education New Program Review Committee Chair, South Carolina Commission of Higher Education, 2014
- Manuscript Reviewer, South Carolina Middle School Association, January 2014