

## CURRICULUM VITAE

**SUSAN J. COOPER, ED.D.**

**Assistant Professor**, College of Education  
Program Chair, Secondary Education  
Curriculum, Instruction and Culture Department

**FLORIDA GULF COAST UNIVERSITY**

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### **Curricular Interests**

- Science Curriculum
- Science and Literacy
- Science and Mathematics Education

### **Professional Preparation**

- 2004     Doctorate of Education in Curriculum & Instruction  
          Specialization: Science Education  
          Dissertation Title: *Addressing Scientific Literacy Through Content Area Reading and Processes of Scientific Inquiry: What Teachers Report.*  
          Dissertation Advisor: David N. Boote, Ph.D.  
          University of Central Florida
- 1974     Master of Arts in Science Education, University of South Florida, Tampa, FL
- 1971     Bachelor of Science in Chemistry, Stetson University, DeLand, FL

### **Professional Certification, K-12**

- 1999-2009     National Board Certified Teacher, Adolescent and Young Adulthood Science
- 1975-2010     Florida Department of Education: Chemistry, Physics, Mathematics, Grades 6-12

### **Professional Employment History**

#### **Post-Secondary**

- 2007-present     Florida Gulf Coast University, Assistant Professor, Science Education
- 2018-2019     Secondary Program Coordinator, College of Education, Florida Gulf Coast University
- 1989-2005     Edison College, Adjunct Instructor, Chemistry

#### **K-12**

- 1980-2007     LaBelle High School Lead Teacher and Science Department Chair.
- 1975-1980     LaBelle Middle School, Science and Math Teacher.
- 1972-1975     Peace Corps Volunteer, Ghana, Science and Math Teacher.

## **TEACHING**

### **Courses Taught**

#### **Undergraduate Courses:**

- EDG 3323 Professional Teaching Practice. An exploration of the fundamental elements of the teaching profession, including an introduction to social, cultural, historical, political, economic, legal, ethical and philosophical foundations of American education, schooling, the teaching profession, learning theory, and foundations of instruction. Emphasis is placed on principles of state standards, instructional methods, and instructional design to address the needs of diverse student populations.
- EDG 3201 Professional Studies. An exploration of the fundamental elements of professional studies in teacher education including an introduction to the field of curriculum and instruction. Emphasis is on social, cultural, historical, political, economic, legal and philosophical foundations of American education, schooling, and the profession of teaching.
- SCE 4310 Science Methods. Focuses on methods of planning, assessment, and instruction for inquiry science and health instruction.
- SCE 4330 Science Methods 6-12. Techniques and materials of instruction in middle and secondary school science, with emphasis on laboratory safety and lesson planning.
- EDE 4304 Integrated Math and Science. Techniques and materials for integrating mathematics and science instruction in schools with a highlight on geometry, probability/statistics, environmental science, and life science.
- EDG 4620 Curriculum and Instruction. An introduction to the field of curriculum and instruction. Emphasis is placed on principles of curriculum development and use of instructional strategies. Students will develop, implement, and evaluate a variety of lesson plans.
- EDG 4936 Senior Seminar. Community trends and issues are discussed to prepare candidates to become reflective practitioners in the field of Child and Youth Studies.

#### **Graduate Courses:**

- EDF 6215 Learning Principles. Focuses on theories of learning and their application to instruction.

- EDG 6363. Capstone Seminar. Students will design a scholarly project that integrates the principles, theories, and concepts of the core courses and concentration areas in their degree programs.
- MAE 6115 Trends in Math Instruction. Students investigate the implications of current theory, research, and issues related to a topic of their choice in the field of mathematics education and communicate their findings through appropriate web-based media.
- SCE 6366 Science Methods 6-12. Techniques and materials of instruction for teaching science in middle school and senior high school, addressing strategies for teaching adolescents, curriculum adaptation for special needs students, adaptations for LEP learners, and current literature for teaching science. Special emphasis on state and national standards.
- SCE 6455 Trends in Science Instruction. Analysis of modern curricular methods, materials and strategies used to present science as a process of inquiry.

TIP Intern Supervision

Dissertation Committee Member for Jessica Marcolini, Ed.D. candidate at Florida Gulf Coast University, 2020-2022

Thesis Committee Member for Jessica Drummond, M.A. in Environmental Science, Florida Gulf Coast University, Fall 2020.

Thesis Committee Member for Honey Phillips, M.A. in Environmental Science, Florida Gulf Coast University, Fall 2017.

Thesis Committee Member for Cynthia Clairry, M.A. in Environmental Science, Florida Gulf Coast University, Spring 2014.

Dissertation Committee Member for Karina Clemmons, Ed.D. in Curriculum & Instruction, University of Central Florida, 2008.

### **Program Development**

2009-2010 Participated in revising the Curriculum & Instruction M.Ed. program.

### **Professional Growth and Development in Teaching**

January 2020 Attended opening workshop of the Southwest Florida Symposium on Teaching and Learning: "Active Learning Across the Disciplines" sponsored by the Lucas Center

January 2019 Attended opening workshop of the Southwest Florida Symposium on Teaching and Learning: "Teaching, Learning, and Facilitating Across cultural Strengths" sponsored by the Lucas Center

May 2018 Participated in Integrating Sustainability Across the Curriculum Workshop to systematically integrate sustainability into courses frequently taught

Fall 2017 Participated in Course Design Academy to realign integrated programs in the College of Education

Fall 2017 Participated in Lucas Center Faculty Book Club, *Small Teaching*

Fall 2017 Attended Kaltura Workshop presented by E-Learning Services

2017-2020 Participated in COE Scholarship Reconsidered discussions to improve scholarship

Spring 2016 Received Innovative Assignment Design Grant to re-design a critical task for SCE 4310

May 2014 Completed Course Design Academy for re-design of SCE 4310 course

Spring 2014 Completed iPad Initiative workshops

2013-14 Completed Canvas Learning Management System workshops

Dec. 2012 University Colloquium New Faculty Training

2012-2013 Participated in five Teaching, Learning, and Assessment Initiative professional development activities:

- The Complete Classroom
- IRB Process
- SoTL Faculty Learning Community
- Student Engagement Faculty Learning Community
- Critical Thinking Faculty Learning Community

Fall 2012 Completed ANGEL Workshop: Course Organization

June 2012 Attended Teaching Professor National Conference in Washington, DC, with a team from FGCU.

Summer 2010-2012 Attended Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute to discuss with educators and community leaders how best to engage students in science, technology, engineering, and mathematics and integrate critical civic issues in their learning.

Summer 2010 Completed 4 ANGEL workshops: Gradebook, Rubrics, Assessments and Surveys, Tips and Tricks.

2007-2009 Attended biweekly Whitaker Seminars on topics related to Science, Technology, Engineering, and Mathematics (STEM) teaching and learning

2008-2009 Teaching Cell with Neil Wilkinson, Anne Hartley, and Courtney Satkoski. Monthly discussions regarding science teaching and learning.

2004-2005 Professional Development Series: Improving Student Learning through Classroom Action Research, University of Central Florida Project CENTRAL

June 2000 Collegium for the Advancement of Teaching, a Lee County Golden Apple Teacher Recognition Program, Captiva Island, FL.

Spring 1998 GREAT Teacher Program, Florida Gulf Coast University

- Summer 1998 Teacher Research Update Experience, University of Florida, June 14-August 1, 1998.
- Summer 1997 Dow/NSTA Summer Workshop, Midland, MI, July 20-August 2, 1997.
- July 1997 T<sup>3</sup> Chem/Bio Summer Institute, sponsored by Texas Instruments, Lake Mary High School, Lake Mary, FL.
- July 1996 Florida Center for Teachers Seminar: Camelot and Armageddon: The 1960s, Alumni Coordinator, July 14-19, 1996
- June 1996 Sanctuary: The Economic and Political Realities of Environmental Protection, Marine Resources development Foundation, June 16-21, 1996.
- July 1996 Environmental Problem-Solving Through Water Quality Monitoring Workshop at the Florida Science Institute, July 22-26, 1996.
- July 1995 Florida Center for Teachers Seminar: Moral Leadership Florida Style. July 2-5, 1995
- 1991-1992 Teacher Leader, People to People Youth Science Exchange to Soviet Union (3 weeks in 1991 and 1992)
- Summer 1990 Department of Energy Teacher Research Associate, Lawrence Berkeley Laboratory, Berkeley, CA (7 weeks)
- July 1988 Woodrow Wilson Institute for High School Chemistry, Princeton University, Princeton, NJ (4 weeks)
- June 1987 NEWMASST, Kennedy Space Center, Florida (2 weeks)
- July 1986 Institute for Chemical Education, University of Maryland (2 weeks)

### **Professional Awards and Recognition in Teaching**

- 2000 Hendry County Teacher of the Year
- 1999 National Board Certification, Adolescent and Young Adult Science
- 1996 GTE GIFT Fellow: Growth Initiatives for Teachers
- 1991 Tandy Technology Award Teacher
- 1990 Florida Section, American Chemical Society Teacher of the Year

### **Grants**

K. Johnson, PI; Frost, L., **S. J. Cooper**, Kratt, D., co-PIs; B. Johnson & T. Kunberger, Sr. Personnel; "Giving back and looking forward: Enhancing and diversifying STEM teaching in Southwest Florida through recruitment and mentorship of homegrown talent", NSF - Robert Noyce Teacher Scholarship Program, Phase I, Funded August 31, 2015. \$945,015.

### **Grants Submitted (not awarded)**

L. Frost, PI, **S. Cooper**, B. Johnson, H. Walsh-Haney co-PIs, "Increasing K-12 Teacher Self-Efficacy and STEM Lesson Implementation through University and Community Collaboration". NSF-DRL-DRK12, Workshop, (November 2014).

**TERRIFIC: Transforming Everglades Restoration Research Into a Florida Inquiry-based Curriculum**, National Science Foundation grant. Submitted with Michael Savarese, Michael Parsons, and Win Everham (June 2009).

## SCHOLARSHIP

### **Peer Reviewed Publications:**

Koklu, O., Atha, M., Martelli, C., & Cooper, S. J. (under review). Identifying the Domains in Science, Reading and Mathematics in which the U.S. High School Students Perform Lower in PISA. Submitted to *Florida Journal for Educational Research*.

Marcolini, J. P., Skaza Acosta, H., Walsh-Haney, H., Johnson, B., **Cooper, S. J.**, & Frost, L. (August 2021). Pandemic PD: Sustaining Inquiry and Community Amid K-12 Uncertainty. *Journal of STEM Outreach* 4(3).

Marcolini, J. P. & **Cooper, S. J.** (2019). Engaging Science Instruction Using Stories., in Brandl, R., Cobbs, G., & Shores, M. (Eds.) (2019). *Proceedings of the 118th annual convention of the School Science and Mathematics Association* (Vol. 6).

**Cooper, S. J.** (2015). Advancing Scientific Literacy with Inquiry Lesson Plans Using Science Reading Materials, *School Science and Mathematics Proceedings, 2*.

**Cooper, S. J.**, Frost, L., & Meyer, A. O. (2014). K-12 STEM Summer Institute for Teachers, *School Science and Mathematics Proceedings, 1*.

### **Book:**

Keeley, P. & **Cooper, S.** (2019). *Uncovering Student Ideas in Science, Vol. 3*. Arlington, VA: NSTA Press.

**Cooper, S.** (2016). *The Best of ChemMatters: Connecting Science and Literacy*. American Chemical Society.

### **Book Chapter:**

Kimbrough, D. and **Cooper, S.J.** (2008). Embracing Diverse and English Language Learners in Chemistry, in Lowery-Bretz, S. (Ed.) *Chemistry in the National Science Education Standards: Models for Meaningful Learning in the Classroom*. Washington DC: American Chemical Society.

### **Conference Poster:**

Joint Mathematics Meetings MAA Poster Session: Projects Supported by the NSF Division of Undergraduate Education, *NoyceFGCU: Supporting Scholars Pre & Post-Graduation, 2020*. PI: Katie Johnson; Co-PIs: **Susan Cooper**, Laura Frost, Diane Kratt; Senior Personnel: Brian Johnson, Tanya Kunberger

### **Conference Presentations**

- Acosta, H., Marcolini, J. P., Frost, L., Johnson, B. P., & **Cooper, S.J.** "Engaged and Inspired: Building STEM Teacher Support with a Virtual Summer Institute,"

- Southwest Florida Symposium on Teaching and Learning: Building Connections in Virtual Environments, February 5, 2021.
- **Cooper, S.J.** “Using Engaging Stories to Integrate Science, Reading, Writing, and Mathematics” School Science and Mathematics Association Annual Convention, November 5, 2020.
  - Marcolini, J. P. & **Cooper, S. J.** “The Influence of STEM Teacher Professional Development on Teaching Efficacy” School Science and Mathematics Association Annual Convention, November 6, 2020.
  - **Cooper, S.J.** “Active Formative Assessment Strategies,” Southwest Florida Symposium on Teaching and Learning, January 30, 2020.
  - **Cooper, S. J.** “Using Formative Assessment Probes to Inform Instruction with Preservice Teachers,” School Science & Mathematics Association Annual Convention, November 7, 2019.
  - Marcolini, J. P. & **Cooper, S. J.** (2019). “Engaging Science Instruction Using Stories,” School Science & Mathematics Association Annual Convention, November 9, 2019.
  - Keeley, P. & **Cooper, C.** What Do K-12 and Preservice Students Really Think about Matter and Energy Ideas?” National Science Teachers Annual Conference, April 13, 2019.
  - **Cooper, S. J.** “Integrating Sustainability into Elementary Science Methods Courses,” School Science & Mathematics Association Annual Convention, October 19, 2018.
  - **Cooper, S. J.** “How Word Choices Influence Scientific Understanding,” School Science & Mathematics Association Annual Convention, October 18, 2019.
  - **Cooper, S. J.** “How Do We Know? Searching for Evidence in Lessons Integrating Science and Literacy,” National Science Teachers Association Annual National Convention, March 17, 2018.
  - **Cooper, S. J.** “Safely Save Beady Kid from the Sun,” National Science Teachers Association Annual National Convention Elementary Extravaganza, March 16, 2018.
  - **Cooper, S.J.** “Using Engaging Formative Assessments to Guide Instruction,” Lucas Center Symposium, January 24, 2018.
  - **Cooper, S. J.** “Creating Integrated Guided Inquiry STEM Lessons for the K-12 Classroom,” School Science and Mathematics Association Annual Convention, Lexington, KY, November 3, 2017.
  - Frost, L., **Cooper, S. J.**, McStravic, A., Clark, L., Liggins., R. “K-12 Summer STEM Institute Sharing Session,” Orlando, FL, October 20, 2017.
  - **Cooper, S. J.** Chesmel, K., Haas, S. “Advancing Scientific Literacy with Inquiry Lesson Plans Using *ChemMatters* Magazine,” ChemEd 2017 Biennial Conference, South Dakota State University, Brookings, SD, July 26, 2017.
  - Keeley, P., **Cooper, S. J.** NSTA Press® Session: “Uncovering Grades 2–8 Students’ Ideas About Magnets and Magnetic Interactions,” Orlando, FL, July 14, 2017.

- Keeley, P., **Cooper, S.J.** NSTA Press® Session: “Pendulums and Crooked Porch Swings: A Model for Connecting Science and Engineering,” Orlando, FL, July 14, 2017
- **Cooper, S. J.** Safak, E. “The Connectivity of Mathematics to Science in Elementary School,” National Council of Teachers of Mathematics Annual Meeting, San Antonio, TX, April 8, 2017.
- **Cooper, S. J.** “Elementary Education Majors Develop Formative Assessments to Promote Conceptual Understanding,” School Science and Mathematics Association Annual Convention, Phoenix, AZ, October 22, 2016.
- **Cooper, S. J.** “Professional Development Schools Partnerships—Beyond Internships and Field Experiences,” School Science and Mathematics Association Annual Convention, Phoenix, AZ, October 20, 2016.
- **Cooper, S. J.** “Student Development of Formative Assessments to Promote Conceptual Understanding,” Lucas Symposium: Showcasing Creative Strategies for Teaching and Learning, September 22, 2016.
- Gmurczyk, M., **Cooper, S. J.**, Pages, P., Haas, S., Chessel, K., Culberson, L., “Advancing Scientific Literacy with Inquiry Lesson Plans using ChemMatters Magazine,” Biennial Conference on Chemical Education, University of Northern Colorado, Greeley, CO, August 2, 2016.
- **Cooper, S. J.**, Hughes, L. P. “Enhancing Science Understanding Through Conceptual Change Lessons,” National Science Teachers Association National Conference, Nashville, TN, April 2, 2016.
- **Cooper, S. J.** ““Advancing Scientific Literacy with Inquiry Lesson Plans Using Science Reading Materials,” School Science and Mathematics Association Annual Convention, Oklahoma City, OK, October 30, 2015.
- **Cooper, S. J.**, Frost, L. “K-12 STEM Summer Institute for Teachers,” Florida Association of Science Teachers 2015 Science Educators’ Conference, Tallahassee, FL, October 24, 2015.
- **Cooper, S. J.**, Long, S., Pages, P., Gmurczyk, M., “Advancing Scientific Literacy with Inquiry Lesson Plans Using Science Reading Materials,” 3-hour workshop at ChemEd Conference, Kennesaw State University, July 30, 2015.
- **Cooper, S. J.**, Long, S., Pages, P. “Advancing Scientific Literacy with Inquiry Lesson Plans Using Science Reading Materials,” National Science Teachers Annual Conference, Chicago, IL, March 14, 2015.
- Elliott, E., Martelli, C., **Cooper, S. J.**, Vazquez-Montilla, E. "iLEAD - Teacher Leadership Conference", iLEAD - Teacher Leadership Conference, Kappa Delta Pi - International Honor Society in Ed, Ft Myers, FL, February 28, 2015.
- **Cooper, S. J.**, “K-12 STEM Summer Institute for Teachers,” School Science and Mathematics Association Annual Convention, Jacksonville, FL November 7, 2014.
- **Cooper, S. J.**, Frost, L., Walsh-Haney, H. “The effect of inquiry-based instruction on student learning and perceptions of learning in the forensic anthropology field,” Poster Presentation, Florida Gulf Coast University Research Day, April 18, 2014.



- **Cooper, S. J.**, “Reading, Writing, and Inquiry Science Teaching,” School Science and Mathematics Association Annual Conference, San Antonio, TX, November 15, 2013.
- **Cooper, S. J.**, Pages, P. “Best of *ChemMatters*—Connecting Science and Literacy,” National Science Teachers Association Regional Conference, Portland, OR, October 25, 2013.
- **Cooper, S. J.**, “Inquiry Teaching—Problems and Solutions,” National Science Teachers Association Annual Convention, San Antonio, TX, April 12, 2013.
- **Cooper, S. J.**, “Integrating Service-Learning Teaching Opportunities with Undergraduate Courses,” School Science and Mathematics Association Conference, Birmingham, AL, November 9, 2012.
- **Cooper, S. J.**, “Implementing Inquiry Teaching and Learning Through Reading,” Florida Association of Science Teachers Conference, St. Petersburg Beach, FL, October 26, 2012.
- Cooper, R. S., **Cooper, S. J.**, “Teaching About Biofuels and Sustainable Agriculture Through Inquiry,” Co-presenter, Florida Association of Science Teachers Conference, St. Petersburg Beach, FL, October 27, 2012.
- **Cooper, S. J.**, “How do we know? Supporting Scientific Understanding Through Reading,” Florida Association of Science Teachers Conference, Orlando, FL, October 2011.
- **Cooper, S. J.**, “How Reading Can Support Scientific Understanding,” School Science and Mathematics Association Conference, Colorado Springs, CO, November 2011.
- **Cooper, S. J.**, “How do we know? Supporting Scientific Understanding Through Reading,” National Science Teachers National Conference, San Francisco, CA, March 12, 2011.
- **Cooper, S. J.**, “American Chemical Society *Guidelines and Recommendations for the Teaching of High School Chemistry*: What do you think?” National Science Teachers National Convention, San Francisco, CA, March 10, 2011, and School Science and Mathematics Association National Conference, November 13, 2010.
- **Cooper, S. J.**, “Promoting Scientific Inquiry and Active Reading,” National Science Teachers Association Southeastern Area Conference, Fort Lauderdale, FL, November 14, 2009.
- **Cooper, S. J.**, “Implementing Meaningful Reading of Science and Mathematics Content at All Grade Levels,” School Science and Mathematics Association national conference, Reno, NV, October 24, 2009.
- Schmidt, D. L., **Cooper, S. J.**, “Student Peer Reviews Improve Lesson Planning and Content Understanding,” School Science and Mathematics Association national conference, Reno, NV, October 22, 2009.
- **Cooper, S. J.**, “Integrating Reading and Inquiry in Secondary Science and Math Classrooms,” School Science and Mathematics Association Conference, Raleigh, NC, November 13, 2008.

- Kimbrough, D., **Cooper, S. J.**, “Embracing Diverse and English Language Learners in Chemistry,” 20<sup>th</sup> Biennial Conference on Chemical Education, Indiana University, Bloomington, IN, July 30, 2008.
- **Cooper, S. J.**, “Integrating Reading and Inquiry in the Secondary Science Classroom,” Kappa Delta Pi Convocation, Orlando, FL, November 2005.
- **Cooper, S. J.**, “Reading for Understanding Using *ChemMatters* and Other Free Reading Resources,” NSTA National Convention, Atlanta, GA, April 2004.

### **Local Education Workshops**

- January 2020 Presenter, Picture Perfect Reading workshop, Country Oaks Elementary School
- January 2018 Presenter, Picture Perfect Reading workshop, Upthegrove Elementary School
- November 2016 Lucas Center Innovative Design Grant Panel presentation: “How to Balance the development of Skills with the Acquisition of Content Knowledge” November 7, 2016.
- Summer 2013-17 During each summer, plan and present two week-long K-12 Summer STEM Institute for Teachers, Naples Conservancy, Naples, FL
- February 2016 Backward Design Lesson Planning Workshop, Country Oaks Elementary School, LaBelle, FL
- August 2014 Aligning Lessons using CPALMS workshop, Clewiston Middle School
- August 2014 STEM Workshop presentation, Upthegrove Elementary School
- January 2013 Workshop: Connecting Inquiry Teaching and Learning with Reading, Upthegrove Elementary School, LaBelle, FL
- 2009-2011 Workshops: Teaching Force and Motion Through Inquiry in K-5 Classrooms, Integrating Earth Science in K-5 Classrooms, Upthegrove Elementary School, La Belle, FL
- June 2009 Integrating Science and Math Through Inquiry in Grades 3-8 workshop, West Glades School, La Belle, FL

### **Professional Memberships**

- National Science Teachers Association, 1985-present
- American Chemical Society, 1990-present
- Kappa Delta Pi, 2002-present
- School Science and Mathematics Association, 2007-present
- Florida Association of Science Teachers, 1987-present (Life Member)

### **Service to Profession**

- 2020-2023 Member, Board of Directors, School Science and Mathematics Association
- May 2020 Presenter, American Association of Chemistry Teachers Webinar, Integrating Reading in the Chemistry Curriculum
- 2017-present Reviewer, *Journal of Formative Design in Learning*.

August 2016-present Review Panel, *Science and Children*, peer-reviewed publication of the National Science Teachers Association.

October 2015-2019 Member, Finance Committee, School Science and Mathematics Association

January 2013 Reviewer, Next Generation Science Standards

2009-2012 American Chemical Society Task Force to revise *Guidelines and Recommendations for the Teaching of High School Chemistry*

2007-2017 Reviewer, *Journal of Chemical Education*.

2009-2012 Program Planning Committee, 2010 School Science and Mathematics Convention.

2008 Florida Science Course Descriptions Writing Team, Tallahassee, FL, April 29-May 1, 2008.

2007-2008 Writer, Sunshine State Standards Science Revision Committee

2002-present Content Reading Consultant, *ChemMatters*, a publication of the American Chemical Society

2001-2003 Chair, *ChemMatters* Policy Board

#### **Service to College of Education**

2019-2020 Member, Search Committee, Clinical Assistant Professor Early Childhood/Elementary Education faculty position

2018-2019 Chair, Search Committee, Mathematics Education Assistant Professor faculty position

2017-2020 Member, Literacy Festival Committee

2017-2021 Program Chair, Secondary Education

2017 College Marshal for FGCU Commencement Ceremonies

2016-2017 Chair, Search Committee, Curriculum & Instruction Assistant Professor faculty position

2015-16 Member, Search Committee, Assistant Dean, Student Support

Spring 2015 Member, Search Committee, Mathematics Education faculty position

2015-2016 Host, FGCU Bite of Science Night Teacher Enrichment Program sponsored by Center for Excellence in Education, MacLean, VA

2013-2021 Member, Curriculum Committee

April 2013 Judge, FGCU Research Day College of Education participants

2013-14 Member, Professional Education Committee

2012-2013 Co-Program Leader, Secondary Education

2011-2012 Chair, Search Committee, Curriculum & Instruction faculty position

2007-2010, 2012-2014 Member, College of Education Curriculum Committee

2009 Chair, Field Experience Task Force

Spring 2008 Member, Search Committee, Assessment and Research faculty (2 positions)

#### **Service to Florida Gulf Coast University**

2021 Member, Search Committee, Director for Whitaker Center for STEM Education

2018-2020 Member, Teaching Excellence Committee, College of Education Representative

2016-2019 Member, Program Review Team, College of Education Representative

2013-2019 Presenter, "Inquiry-Based Explorations and the Conceptual Change Model," SPARCT Academy Summer Workshop, Whitaker Center for STEM Education

2008-present Whitaker Center Leadership Team, College of Education Representative

2007-present College of Education Representative, Academic Standards Committee

2015-2018 College of Education Representative, University Colloquium Advisory Council

2014-2016 Attend Welcome event sponsored by Student Support Services

2014 Session presenter, "Connect STEM and Reading," at the Eagles Educate Mini-Conference held at FGCU in September 2014

2012-2014 COE Alternate, Faculty Senate

Fall 2013 Co-presenter of two workshops for FGCU students interested in service-learning opportunities in public schools

Fall 2012 Co-presenter of Teaching Learning and Assessment Initiative brown bag session: The Complete Classroom

Fall 2012 Co-presenter of two workshops for FGCU students interested in service-learning opportunities in public schools

Summer 2012 Faculty Panel, Eagle View Orientation

2010-2012 College of Education Representative, Faculty Senate

2010-2012 College of Education Representative, Teaching, Learning and Assessment Advisory Board

2010-2011 Two SENCER Presentations to College of Arts and Sciences

2010 Search Committee, STEM Coordinator in the Office of Outreach Program

2009-2010 College of Education Representative, University Library Committee

### **Service to Community**

March 2021 Judge, Upthegrove Elementary School Science Fair

October 2020 Organizer, Environmental Education Alliance of Southwest Florida Fall Conference

January 2020 Project Judge, FIRST Lego League Regional Tournament, Cypress Lake High School

2017-2020 Member, Teacher of the Year Selection Committee, Glades County Schools

October 2018 Presenter, Environmental Education Alliance of Southwest Florida Fall Conference, Conservancy of Southwest Florida, Naples, FL

2017-2020 Organized SCE 4310 student participation in FGCU Literacy Festival

January 2017 Reader, Upthegrove Elementary School Reading Day, LaBelle, FL

March 2016 Organized Family STEM Night, Tice Elementary School, Fort Myers, FL

October 2016 Presenter, Environmental Education Alliance of Southwest Florida Fall Conference, Conservancy of Southwest Florida, Naples, FL

December 2016 Judge, Inventors Fair at Villas Elementary School, Fort Myers, FL

August 2014 Presenter, CPALMS and Backward Design workshops, Hendry County Schools

November 2013 Presenter, Super Science Saturday, Lee County Oak Hammock Middle School, Fort Myers, FL

March 2013 Organized FGCU student presentations for STEMtastic at Lee County Schools Education Center

November 2012 Presenter, Super Science Saturday, Lee County Schools

Fall 2012 Organized FGCU student participation in judging Bonita Springs Middle School Science Fair

Fall 2012 Organized FGCU student participation in Space Day at Trafalgar Elementary

Fall 2012 Organized FGCU student participation in the Imaginarium's Family STEM Nights at various schools in Lee County

2012-2013 Faculty Advisor, Bonita Springs Boys & Girls Club STEM Fridays

2011-2015 Advisory Committee, Florida Learns STEM Scholars grant

March 2012 Faculty Coordinator, Veterans Memorial Elementary Family STEM Night.

2009-2011, 2013-18, 2020 Grand Awards Judge, Thomas Alva Edison Regional Science and Engineering Fair