

JODI S. RIEDEL

HORTICULTURE INSTRUCTOR

CONTACT

919.601.6204

5024 Grove Crossing Way

Wake Forest, NC 27587

jssonger@ncsu.edu

EXPERIENCE

SENIOR HORTICULTURE LECTURER

North Carolina State University

August, 2021- Present

- Facilitated active learning and instruction for three courses in person and asynchronous
- Created new and engaging curriculum aligned to department objectives and university standards
- Surveyed student learning styles and expectations. Identified those students needing additional instructional supports
- Provided an outlet for mentorship and networking via industry guest speakers and job site visits
- Delivered prompt and detailed feedback using rubrics and updated weekly Moodle grades and learning modules
- Utilized various communication platforms to communicate class expectations and ensure students were informed
- Provided recruitment activities for nearly 500 Wake and Durham County students through agricultural education programs in six area schools
- Initiated a professional development monthly activity for AGI and a morale building end of semester celebration
- Coached AGI students' submission of the NC State Fair demonstration garden resulting in a blue ribbon and best overall educational garden for 2021 NC State Fair Flower and Garden Show

AGRICULTURAL EDUCATION TEACHER

Wakefield High School

August 2002- August 2021

- Lead instructor, FFA advisor, and Wake County professional learning team lead
- Managed school greenhouse, gardens, animals, and land lab
- Cooperated with NCSU as a teacher mentor to dozens of future educators
- Independently developed two new courses for the North Carolina Standard Course of Study in Sustainable Agriculture
- Dual certified in Agricultural Education and Family Consumer Science to ensure effective instruction for farm to fork
- Educated and collaborated with elementary schools, agricultural business members, and key community stakeholders to increase agricultural literacy
- Facilitated annual service learning through events like Catching Fireflies 5K, Wakefield Garden Army, Project Poinsettia, Agriculture Symposium, and the plant sales grossing over \$30,000 annually

EDUCATION

2021- present

NORTH CAROLINA STATE UNIVERSITY

AEE doctoral program focused on creating a horticultural mentor program for first year agricultural educators in North Carolina to increase instructional efficacy and teacher retention.

2002-2006

NORTH CAROLINA STATE UNIVERSITY

Master of Science, Agriculture and Extension Education

1997-2002

MICHIGAN STATE UNIVERSITY

Bachelor of Science, Horticulture Science

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GRANTS

- 2021 National FFA Day of Service Grant \$2,500
 - 2020, 2019, 2018 National FFA Food for Thought Grants \$15,000 total
 - 2020, 2019, 2018, 2017 National FFA Service Grants \$20,000 total
 - 2015 Burroughs Wellcome Careers Science Math and Technology Award \$175,000
 - 2015 NC Governor's Network \$10,000
 - 2014 NC Tobacco Trust Fund Grant \$5,000
 - 2014 Ag Carolina Farm Credit Educator's Grant \$5,000
 - 2013 Burroughs Wellcome Fund Innovators IDEA grant \$6,000
 - 2013 Warren Buffett Invest to Fight Hunger Grant \$2,500
 - 2006 NCSU, Weyerhaeuser, NC Forestry Association Kenan Fellow in Sustainable Forestry \$20,000
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AWARDS

- 2021 Center for Food Safety and Applied Nutrition (CFSAN) Team Spirit Award
 - 2017 National FFA Organization Teacher Mentor Ambassador
 - 2012 Wake Forest Urban Forestry Green Medal Award
 - 2009 NC Governor's Environmental Educator of the Year
 - 2006 Wakefield Teacher of the Year
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KEY PRESENTATIONS

NATIONAL ASSOCIATION OF CAREER TECHNOLOGY EDUCATION VISION CONFERENCE

December 4, 2021, New Orleans, Louisiana

Ag + FCS= A pretty sweet combo. Exploring sweetpotato cultivation and culinary curriculum.

NATIONAL FFA ORGANIZATION CONVENTION

November 2, 2019, Indianapolis, Indiana

Who knew FFA was here to help you? Presenting Key National FFA Resources for Advisors

NORTH CAROLINA FARM TO SCHOOL SUMMIT

September 20, 2019, Raleigh, NC

Local Foods Curricula: Teaching Resources

CERTIFICATIONS

- National Board Certified Teacher, 2006 - present
 - North Carolina Pesticide Applicator License, 2001 - present
 - Certified Plant Professional 2022- present
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PROFESSIONAL MEMBERSHIPS

- NATIONAL ASSOCIATION OF AGRICULTURE EDUCATORS (NAAE)
- NORTH CAROLINA AGRICULTURE TEACHERS ASSOCIATION (NCATA)
- NORTH CAROLINA ASSOCIATION OF EDUCATORS (NCAE)
- NORTH CAROLINA NURSERY LANDSCAPE ASSOCIATION (NCLA)

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presentations continued

SOUTHEAST FARM TO SCHOOL CONFERENCE

September 23, 2016, Columbia, South Carolina

Radishes: From Farm to Fork to Fermentation

NORTH CAROLINA DEPARTMENT OF PUBLIC INSTRUCTION

May 22, 2016, Raleigh, NC

Implementing Farm to Fork in North Carolina Family and Consumer Sciences.

GOVERNOR'S TEACHER NETWORK

March 3, 2015, Raleigh, NC

Combating Chronic Absenteeism at Wakefield High School

NORTH CAROLINA CAREER TECHNOLOGY EDUCATION SUMMER CONFERENCE

July, 2015-2019 Greensboro, North Carolina

Workshops included topics like: new teacher preparation, collaborative teaching, writing grants, and horticultural practices.

PUBLICATIONS

Books

- **Riedel, J.** and Driscoll, E. (2022). *Horticulture Today, 2nd edition.* Tinley Park, IL: Goodheart-Willcox.
- Ward, J., Ward, L., and **Riedel, J.** (2021). *Principles of Food Science, 5th edition.* Tinley Park, IL: Goodheart-Willcox.

Curriculum

- **Riedel, J.**, Howes, I., Bingman, K., Cooper, M., Dixon, L., Dubois, J., Hartley, S., Hayes, L., Owen, K., Sykora, P., Williams, K., & Stowell, E. (2021). *Science and Our Food Supply: Nutrition.* Washington, D.C.; U.S. Food and Drug Administration.
- **Riedel, J.** (2020). *In the Dirt.* North Carolina Sweetpotato Commission Curriculum. Benson, NC: NC Sweetpotato Commission.
- **Riedel, J.** (2020). *Labeling and Marketing Sweetpotatoes.* North Carolina Sweetpotato Commission Curriculum. Benson, NC: NC Sweetpotato Commission.
- **Riedel, J.**, Howes, I., Bingman, K., Cooper, M., Dixon, L., Dubois, J., Hartley, S., Hayes, L., Owen, K., Sykora, P., Williams, K., & Stowell, E. (2020). *Science and Our Food Supply: Exploring Food Agriculture and Biotechnology.* Washington, D.C.; U.S. Food and Drug Administration.
- **Riedel, Jodi.** (2019). *Sustainable Agriculture II.* North Carolina Department of Public Instruction. Raleigh, NC: NC Agricultural Education.
- **Riedel, Jodi.** (2018). *Sustainable Agriculture I.* North Carolina Department of Public Instruction. Raleigh, NC: NC Agricultural Education.

Newspaper Articles

- **Riedel, J.** (2011-2012). Monthly Garden Column Author. Rolesville Buzz Newspaper. Rolesville, NC.

Thesis

- **Riedel, J. S.** (2006). *Effects of an introductory agricultural education course on agricultural literacy and perceptions of agriculture in urban students.* North Carolina State University, Raleigh, NC.