

**Joanne Villers**

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(540) 797-5134

Current position: Roanoke Valley Governor's School Science Instructor

Degrees:

- B.S. Biochemistry, The Pennsylvania State University
- M.A. Secondary Education, University of Mississippi

Other education:

- Graduate student/Teaching Assistant at Virginia Tech – taught lab courses in introductory biology, assisted in immunology research
- SmithKline Beecham student researcher
- Gifted Education Endorsement Longwood University

Virginia Department of Education endorsements: chemistry, biology, gifted

Professional Organization Memberships:

- American Chemical Society
- American Association of Chemistry Teachers
- Virginia Association of Science Teachers
- American Honey Tasting Society
- American Mead Makers Association

Recent conference presentations:

- National Math & Science Initiative Presenter – Gas Laws, Kinetics, Thermochemistry and General Equilibrium, March 7, 2020
- National Math & Science Initiative Presenter – Ecology & Biogeochemical Cycles, Aquatic & Terrestrial Ecosystems, Biogeography & Global Change and Population Dynamics, Fall 2018
- Virginia Advanced Studies Strategies Environmental Science Presenter – Air Pollution, Fall 2013
- Virginia Advanced Studies Strategies Environmental Science Mock Reading Leader, Spring 2013

Recent professional development activities/Awards:

- 2023 Introduction to Statistics Stanford University
- 2022 Flinn Scientific Safety Training
- 2020 AP Environmental Table Leader for at-home reading
- 2019 Outstanding High School Chemistry Teacher from the Blue Ridge Section of the American Chemical Society
- 2019 Amazonia Expeditions in the Peruvian Amazon jungle
- 2019 & 2018, 2010-2014 AP Environmental Science Reader in Cincinnati, OH
- 2018 RET (Research Experience for Teachers) with Kendra Sewall, Assistant Professor of Biology at Virginia Tech

- 2018 Nanoscience Professional Development Workshop
- 2018 Critical Thinking Activities for Teaching Ecology in Asheville, NC
- 2017 VAST conference in Roanoke, VA
- 2017 Research Teachers Conference in Washington D.C.
- 2017 Honey Sensory Training at ALBO Nazionale Degli Esperti in Analisi Sensoriale Del Miele in Bologna, Italy
- 2016 Honey 101: Introduction to Honey Tasting at the American Honey Tasting Society in Norwalk, CT
- 2016 American Vacuum Society STEM workshop in Nashville, TN
- 2016 Fundamentals of Modern Wine Chemistry in Santa Rosa, CA