

Name: **Joanne Villers**

Email address: jvillers@rvgs.k12.va.us

Current position at RVGS: Science Teacher

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

Virginia Department of Education endorsements: chemistry, biology

Courses taught at RVGS:

Chemistry, Environmental Research, AP Environmental Science, Biology

Professional Organization Memberships:

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

Recent conference presentations:

- National Math and Science Initiative Chemistry Presenter – Gas Laws, Kinetics, Thermochemistry, and Equilibrium, February 2020
- National Math and Science Initiative Environmental Science Presenter - Ecology & Biogeochemical Cycles, Aquatic & Terrestrial Ecosystems, Biogeography & Global Change, and Population Dynamics, December 2018
- Virginia Advanced Studies Strategies Environmental Science Presenter – Air Pollution, Fall 2013
- Virginia Advanced Studies Strategies Environmental Science Mock Reading Leader, Spring 2013
- Virginia State Beekeepers Association Conference, Mead Making, Spring 2008

Recent professional development activities/Awards:

- 2020 AP Environment Science Table Leader
- 2020 Virginia Tech Nanoscience Workshop
- 2019 Outstanding High School Chemistry Teacher by 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 Critical Thinking Activities for Teaching Ecology in Asheville, NC
- 2018 Virginia Tech Nanoscience Workshop
- 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