

Name: **Cindy Bohland**

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

Current position at RVGS: Science Department Chairperson, Science teacher

Degrees:

M.A.L.S. in Interdisciplinary Studies, Hollins

University B.S. in biology, University of South Carolina

Virginia Department of Education endorsements:

Biology, chemistry, gifted education

Courses taught at RVGS:

RVGS Biology, RVGS Chemistry, Fundamentals of Research, Biotechnology and Bioinformatics, AP Environmental Science,

Professional organization memberships:

Association of Student Microbiologists

Virginia Association of Science Teachers/National Science Teachers Association

National Association of Biology Teachers

Recent conference presentations:

Workshop: "Caging the Blob: Using a Slime Mold to Teach Concepts about Barriers that Constrain the Movement of Organisms" at the Virginia Association of Science Teachers Conference at the Hotel Roanoke.

Recent publications:

Pietsch, R., Bohland, C., Schmale D. "To Fly or Not to Fly: Teaching Advanced Secondary School Students about Principles of Flight in Biological Systems." *Journal of Biological Education*, 2015.

Bohland, C.E., Ross, S.D., Schmale D.G. "Caging the Blob: Using a Slime Mold to Teach Concepts about Barriers that Constrain the Movement of Organisms." *The American Biology Teacher*, Volume 73, Number 9, Nov/Dec 2011.

Recent professional development activities:

Partnership for Research and Education in Plants, Virginia Tech.

Microarray for Teaching, James Madison University

Training in qPCR, Carilion Clinic Basic Research Lab

Awards:

RVGS Teacher of the Year

Finalist for Roanoke City Schools Teacher of the Year

Educator of the Year, Roanoke---Blacksburg Technology Council