

**Virginia Section of the American Chemical Society
Grant Proposal**

The Chemical Education Committee of the Virginia Section solicits proposals for grants to support school science projects in grades K through 12. These \$50 to \$500 mini-grants are provided to teachers in the Virginia Section for the purchase of equipment and materials. Compensation for personnel costs will not be allowed. To apply for support, please send a one-page proposal that includes your name, school name, address, phone number, a one paragraph description of the project, and an itemized budget to Ryan Warren, warrencr at vcu.edu.

Date of Proposal: _____

Name: _____

School: _____

School District: _____

School Address: _____

School Phone: _____

Personal Phone: _____

Email: _____

Description/Objective of the project:

Itemized Budget:

Total Request: _____

A copy of a recently funded proposal is shown below as a guide for submitting your proposal.

Dear Mr. Warren:

I am excited to discover that the Virginia Section of the American Chemical Society is once again offering \$50 to \$500 grants to support school science projects in grades K through 12. Each year, when I intend for my chemistry students to gain an understanding of the gas laws, I find that my demonstrations are inadequate. Our bell jar cannot keep a good seal with the vacuum plate. We have been using waxes and vacuum grease to form a better seal, but the increase in volume in the balloon (due to the decrease in pressure) is barely noticeable. I want the demonstrations of the gas laws to be dramatic, so that the students in my 5 sections of Honors and General Chemistry will understand and remember Boyle's and Charles' Laws.

For this reason, I am applying for support from the Virginia Section of the American Chemical Society for the purchase of the following items:

Vacuum chamber \$160.00
Vacuum plate 50.00
Hand pump 100.00
Bell in vacuum kit 40.00
Vacuum grease and oil 40.00
Vacuum hose 15.00

for a total request of \$405.00 in materials and supplies for the project titled "Gas Laws (Macroscopic Applications of Boyle's and Charles' Laws)".

With these items, the students of The Blue Ridge School will explore the gas laws for many years to come. The laboratory exercises and classroom demonstrations associated with these items will engage many students who might not be engaged otherwise by paper and pencil exercises. Thus, I request your support (\$405) for chemical education at The Blue Ridge School.

Sincerely,

Mark Drew Martin
Science Teacher
The Blue Ridge School