



U.S. National Chemistry Olympiad

Report submitted to Virginia Section Executive Committee

August 23, 2022

The Virginia Local Section of the American Chemical Society (ACS) hosted the U.S. National Chemistry Olympiad (USNCO) at Longwood University in March and April. Students who attend high school within the boundaries of the Virginia Local Section were eligible to participate.

<http://acsva.org/virginia-sections-and-regions/>

The Local Exam was administered online on March 26, 2022. Students from six different high schools registered. 28 students registered and 24 students completed the Local Exam in the ACS Learning Center. Students took the exam at their school, with teachers proctoring. Per National rules, the section is allotted 11 seats for the National Exam, with no more than two students per high school. Following these rules we had 9 students qualify to sit for the National Exam. The top three scoring students received Amazon Gift Cards, a certificate of achievement, and a lapel pin from the USNCO.

The National Exam was held in person at Longwood University on April 25, 2022. The nine students who participated completed Part I online in the ACS Learning Center (multiple choice), Part II on paper (algorithmic), and Part III on paper in the laboratory (lab practical). All participating students were awarded a certificate and a lapel pin, as well as a goody bag donated by the Longwood Department of Chemistry and Physics. The day also included a tour of the chemistry facilities at Longwood, and lunch with Longwood chemistry majors.

The top scoring students on the Local Exam were:

1. **Aaron Wang (homeschool, Richmond, VA)**
2. **Max Misterka (homeschool, Harrisonburg, VA)**
3. **(Tie) Chris Lefler and Shreyas Arcot (both from Godwin High School, Henrico, VA)**

Contact: Dr. Sarah Porter, portersg@longwood.edu

Participation was up from this year, and I am hopeful that we will get more participation in 2023. I have been working to reach out to schools and teachers who have previously not participated. I would appreciate the help of members across the Section in helping me to spread the word.

Respectfully submitted,
Sarah Porter



Students in Longwood University's general chemistry lab, ready for the lab practical (Part III) of the National Exam. (L → R) Max Misterka (homeschool, Harrisonburg), Chiara Petrazuola (Osborn Park HS, Manassas), Diego Luque (Governor's School at Innovation Park, Manassas), Eleanor Rhodes (Governor's School at Innovation Park, Manassas), Shreyas Arcot (Godwin HS, Henrico), Aaron Wang (homeschool, Richmond), Chris Leffler (Godwin HS, Henrico), Jenna Estes (Patrick Henry HS, Ashland), Eli Farley (Patrick Henry HS, Ashland).