



Virginia Section American Chemical Society



Report for the 2019 Chemistry Olympiad

Nine schools participated with over 360 students nominated to take either the first year or the second year exam. From the schools, 7 schools were put into the small school category with less than 500 student enrollment which included 2 governor's schools while the remaining large schools with enrollments almost 400 competed in both the first and second year competitions. The results for each test are given below:

Exam statistics (not separated by category)	First Year (57 questions)	Second Year (60 questions)
Average	24.6 (43.1%)	20.0 (33.4%)
Standard deviation (raw score out of #)	6.3	5.9
Median	24	19
Max	45	51
Min	9	6
Number of Schools participating	6	8
Total Headcount students	190	173

At each school, the student with the highest score for each teacher received a National Olympiad pin. The following students were the highest score from each participating school. Many schools have more than one teacher participating; the highest student score for each teacher is listed. Teachers from each school also received a pin.

School	First Year	Second Year
Albemarle High School		Paula Zhu
Collegiate School	Zhao Anran (Fourness- Ewell); Reynolds Hester (Hottman); Diamond S. Lightfoot and Hank A. Shield (Thompson)	Chase Conquest (Fourness-Ewell)
James River High School		Montana Showalter (Brunyansky)
Patrick Henry High School	Zachary Osbourne (Embrey)	Madison Dehais and Matthew Gemmill (Embrey)
Prince Edward High School	Antonio Harvey (Lutz)	Tiba H. Hamza (Lutz)
Prince George High School	Paul Burroughs (Moore)	Cameron Williams (Moore)

School	First Year	Second Year
St. Stephen's & St. Agnes' School	Stephanie Adrien (Chan); Adrienne Lai (Oakes); and Mira Majure and Lucille Siegal (Fusina)	Ethan Bean (Oakes)
The Governor's School of Southside Virginia at Alberta		Bethany Walton (Williams)
The Governor's School of Southside Virginia at Keysville		James Garea (Hamilton) and Amil Bolden and Hannah Breedlove (Poling)
The Steward School	Sachin Sanjay (Kovach)	Danielle David (Kovach)

Several students from each school were invited to fill 12 slots for the National Olympiad exam given on April 21, 2018 at J. Sargeant Reynolds Community College in Richmond, Virginia. Of the following students who were nominated, ten students participated in the National Exam.

Chase Conquest* and Sarah Robins*	Collegiate School
Montana Showalter* and Atif Alam	James River High School
Matthew Gemmill	Patrick Henry High School
Tiba Hamza*, Rachel Kinzer*, and Maria Carrera	Prince Edward High School
Cameron Williams* and Nathaniel Wootton*	Prince George High School
Ethan Bean*	St. Stephen's & St Agnes' School
Danielle David	The Steward School

* Students who participated in the National Olympiad Examination.





The students with the three highest scores from all participating schools, separated by category and by test will receive a gift certificate, first place \$75, second place \$50 and third place \$25. Those students who took the National Chemistry Olympiad will also receive a \$50 certificate. Due to the low number of large schools participating in the first year exam, I decided to award a fourth place but did not separate the small and large school participants for the first year exam.

Place		First Year Chemistry Olympiad Local Examination	
		Small and Large School	
First (\$75)	Anran Zhao - Collegiate School		
Second (\$50)	Cassie E. Buxbaum - Collegiate School		
Third (\$25)	William John Neuner - Collegiate School		
Fourth (\$20)	Johri Ashwin and Zehma Kidane Herring - Collegiate School and Antonio Harvey - Prince Edward High School		
Place		Second Year Chemistry Olympiad Local Examination	
		Small School	Large School
First (\$75)	James Garea – The Governor’s School of Southside Virginia, Keysville	Paula Zhu* – Albemarle High School	
Second (\$50)	Danielle David – The Steward School	Tiba Hamza* – Prince Edward High School	
Third (\$25)	Chase Conquest* - Collegiate School	Rachel Kinzer* - Prince Edward High School and Montana Showalter* - James River High School	

The Team Award is given to the school with the highest combined total for five students separated by category and year. These schools will receive a plaque. The first year category will not be separated by large and small school and only one award will be given for the First year Team Award.

First year Team Award

School

Collegiate School

Second Year Team Award

Category

School

Small School

Collegiate School

Large School

Prince Edward High School

The School Award is given to the school with the highest overall average, separated by test but not category. The school must have at least 7 participants, the highest and lowest scores will be discarded and the average score determined from the remaining scores.

School Award

School

First Year Exam

St. Stephen's and St. Agnes' School

Second Year Exam

Prince Edward High School

The Team Award and School Award plaques will be awarded to the schools at the September Meeting of the Local Section.

The Virginia Section's Chemistry Olympiad website: <http://virginia.sites.acs.org/chemistryolympiad.htm>

The cost of this activity to the Virginia Section was approximately \$2000.00

I want to thank Joe Pompano for creating the first year exam.

Respectively submitted on May 6, 2017



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