



Virginia Section American Chemical Society



Report for the 2018 Chemistry Olympiad

Twelve (12) schools participated with almost 500 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 (59 questions)	Second Year (60 questions)
Average	27.5 (46.8%)	26.1 (43.5%)
Standard deviation (raw score out of #)	6.7	6.4
Median	27	26
Max	48	44
Min	13	12
Number of Schools participating	11	8
Total Headcount students	300	101

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		
Benedictine College Preparatory	Gabriel E. Slate (Verlander)	
Blue Ridge School	Xinyang Du (Pace)	
Collegiate School	Lauren G. Brabrand (Fourness-Ewell); Tucker H. Felts (Hottman); David H. Hallock (Thompson)	Quentin Calhoun (Fourness-Ewell)
James River High School	Luke Lamberson (Back); Atif R. Alam (Edwards) and Montana Showalter (Brunyansky)	Benjamin Hester (Brunyansky)
Patrick Henry High School	Joey Zhana (Embrey)	Emilia Ruiz (Embrey)
Prince Edward High School	Tiba H. Hamza (Lutz)	Kait Hosmer (Lutz)

School	First Year	Second Year
St. Stephen's & St. Agnes' School	Ashley Sloan (Chan); Ryan Vuono (Oakes); and Adele Godby and James Cunningham (Fusina)	Kendall Davis (Oakes)
The Governor's School of Southside Virginia at Alberta	Cody B. Campbell and Aaron Yang (Williams)	
The Governor's School of Southside Virginia at Keysville	Thomas J. Steger and William S. French (Hamilton) and Claire E. Morris (Poling)	
The Steward School	Matthew Cantor (Kovach)	Jack Slyh (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.

Quentin Calhoun, Sydney Beckler, Charles Hester, Jenson Richardson, Grant Ewing* and Samuel Robert	Collegiate School
Noah Hester*, Dylan Hartman* and Ryan Plonski*	James River High School
Emilia Ruiz*	Patrick Henry High School
William Stimpert, Ian R. Lower* and Kait E. Hosmer*	Prince Edward High School
Elijah Ozbat* and Conor McCormick	Prince George High School
Kendall Davis*	St. Stephen's & St Agnes' School
Jack Slyh	The Steward School
Andrew Wisniewski*	Homeschool - Reynolds CC

* 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 an error, the awards for the First year Large school category had to be modified to reflect new scores by Prince Edward County School.

First Year Chemistry Olympiad Local Examination		
Place	Small School	Large School
First (\$75)	Cody B. Campbell and Aaron Yang - The Governor's School of Southside Virginia Alberta	Tiba H. Hamza - Prince Edward High School Luke A. Lamberson - James River High School
Second (\$50)	Stormy D. Smith - The Governor's School of Southside Virginia Alberta	Rachel K. Kinzer - Prince Edward High School Montana Nguyen Showalter and Atif R. Alam - James River High School
Third (\$25)		
Second Year Chemistry Olympiad Local Examination		
Place	Small School	Large School
First (\$75)	Quentin Calhoun - Collegiate School	Elijah Ozbat* - Prince George High School
Second (\$50)	Sydney Beckler, Charles Hester and Jensen Richardson - Collegiate School	Noah Hester* - James River High School
Third (\$25)		Dylan Hartman* and Ryan Plonski* - James River High School and Kait Hosmer* - Prince Edward County 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. Due to an error in grading the first year exams, Prince Edward County High School had the highest total score above James River High School. But due to the late discovery of this error, both schools will be awarded the First Year Team Award.

First year Team Award	
Category	School
Small School	The Governor's School of Southside Virginia Alberta
Large School	Prince Edward High School and James River High School
Second Year Team Award	
Category	School
Small School	Collegiate School
Large School	James River 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	The Governor's School of Southside Virginia
Second Year Exam	Alberta Collegiate 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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