



**UNC CHARLOTTE**

Center for STEM Education

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**SUPER COMPETITION HELD AT UNC CHARLOTTE ON MARCH 5, 2018  
(ANNUAL HIGH SCHOOL MATH AND SCIENCE CONTESTS)**

The UNC Charlotte Super Competition is an outreach event consisting of a day of academic competitions for high school students, held annually in cooperation between the departments of Mathematics and Statistics; Chemistry; Physics and Optical Science; and the College of Education's Center for STEM Education. Trophies and book prizes are awarded to the top winning individuals, and trophies to the top teams, with a special overall trophy to the math team with the highest combined math team score (Level 3 and Comprehensive Mathematics team scores combined). The event was held the first day of UNC Charlotte's Spring Break, on March 5, 2018, coordinated by Dr. Ian Binns and assisted by Paula M. Testerman.

**MATHEMATICS CONTESTS**

This year, 77 students from 13 schools participated in the Comprehensive Mathematics contest, and 52 students from 10 schools took part in the Level 3 contest. Following the math contests, the students and teachers had the opportunity to hear a talk given by Dr. Yongling Gorke, the Director of the Confucius Institute at UNC Charlotte.

The top 10 students in the Comprehensive division qualified to go on to the North Carolina State High School Mathematics Contest, to be held April 26, 2018, at the N.C. School of Science and Mathematics in Durham. The top 10 Level 3 students qualified to advance to the state-level regional finals in Level 3, scheduled for May 3, 2018. The appropriate Level 3 finals contest site is based on the NCCTM region of the home school of the student qualifying for the test (with the exception of Wake County schools, in which case the test site would be UNC Greensboro).

Information on these state-level math contests is available at this website:

<https://sites.google.com/site/statemathcontest/>.

Prizes (UNC Charlotte water bottles) went to the top three students in each contest. Prizes (mathematics books) also went to all math contest participants who qualified to go to the finals.

Team trophies went to the top school team in two categories: top public school and top private school. The top overall winning school team was Providence Day (Level 3 and Comprehensive Math team scores combined).

Individual results for state contest qualifiers and team results for the two mathematics contests are listed below.

### Level 3 Individual Results (Top 10)

<u>Place</u>	<u>Student Name</u>	<u>School</u>	<u>City</u>
1 <sup>st</sup>	Bhushan Mohanraj	Randolph IB Middle School	Charlotte
2 <sup>nd</sup>	Kate Ma	Ardrey Kell High School	Charlotte
3 <sup>rd</sup>	Anthony Yang	Barringer Academic Center	Charlotte
4 <sup>th</sup>	John Ziegler	Providence Day School	Charlotte
5 <sup>th</sup>	Vishakh Sandwar	Randolph IB Middle School	Charlotte
6 <sup>th</sup>	Jack DuPuy	Charlotte Latin School	Charlotte
7 <sup>th</sup>	Daniel Zhang	Charlotte Latin School	Charlotte
8 <sup>th</sup>	Johnston Lloyd	Charlotte Latin School	Charlotte
9 <sup>th</sup>	Sathvik Chatta	Randolph IB Middle School	Charlotte
10 <sup>th</sup>	Mary Pope	Charlotte Latin School	Charlotte

### Level 3 Team Results (Top school teams in each category)

#### Winning School Teams (Two Categories)

<u>School</u>	<u>Category</u>	<u>City</u>
Union Academy Charter	Public School	Monroe
Charlotte Latin School	Private School	Charlotte

### Comprehensive Individual Results (Top 10)

<u>Place</u>	<u>Student Name</u>	<u>School</u>	<u>City</u>
1 <sup>st</sup>	Dev Chheda	Ardrey Kell High School	Charlotte
2 <sup>nd</sup>	Xinyi Guo	Ardrey Kell High School	Charlotte
3 <sup>rd</sup>	Timothy Deng	Ardrey Kell High School	Charlotte
4 <sup>th</sup>	Daniel Hwang	Ardrey Kell High School	Charlotte
5 <sup>th</sup>	Sreyas Adiraju	Ardrey Kell High School	Charlotte
6 <sup>th</sup>	Stepan Malkov	Ardrey Kell High School	Charlotte
7 <sup>th</sup>	Olivia Yang	Randolph IB Middle School	Charlotte
8 <sup>th</sup>	Tina Lin	Providence Day School	Charlotte
9 <sup>th</sup>	Ronak Bhagia	Providence Day School	Charlotte
10 <sup>th</sup>	Katie Groenhout	Providence Day School	Charlotte

### Comprehensive Team Results (top school teams in each category)

#### Winning School Teams (Two Categories)

<u>School</u>	<u>Category</u>	<u>City</u>
Ardrey Kell High School	Public School	Charlotte
Providence Day School	Private School	Charlotte

**Overall First Place: Providence Day School**  
(Level 3 and Comprehensive combined)

## **CHEMISTRY RESULTS**

Thirty-four students from five schools participated in the Chemistry Contest division of the 2018 Super Competition. Prizes (UNC Charlotte water bottles) and chemistry books went to the top three student winners.

Team trophies were given to the top school in each of these two categories: top public school and top private school.

### **Top Individuals**

<b><u>Place</u></b>	<b><u>Student Name</u></b>	<b><u>School</u></b>	<b><u>City</u></b>
1 <sup>st</sup>	Dev Chheda	Ardrey Kell High School	Charlotte
2 <sup>nd</sup>	Phillip Parker	West Lincoln High School	Lincolnton
3 <sup>rd</sup>	Mary Pope	Charlotte Latin School	Charlotte

### **Winning School Teams (Two Categories)**

<b><u>School</u></b>	<b><u>Category</u></b>	<b><u>City</u></b>
West Lincoln High School	Public School	Lincolnton
Charlotte Latin School	Private School	Charlotte

## **PHYSICS RESULTS:**

Seventeen students from four schools participated in the Physics Contest. Prizes (UNC Charlotte water bottles) and physics book prizes went to the top two individuals.

A team trophy went to the top public school. (No private schools participated in Physics.)

### **Top Individuals**

<b><u>Place</u></b>	<b><u>Student Name</u></b>	<b><u>School</u></b>	<b><u>City</u></b>
1 <sup>st</sup>	Alexander Tong	Mallard Creek High School	Charlotte
2 <sup>nd</sup>	David Hood	Myers Park High School	Charlotte

### **Winning School Team (Public School)**

<b><u>School</u></b>	<b><u>Category</u></b>	<b><u>City</u></b>
Myers Park High School	Public School	Charlotte
(No private school in 2018)	Private School	(NA)