UNC Charlotte
Region 6
NC Science & Engineering Fair
2021 Awards Ceremony
Welcome
The UNC Charlotte NC Science & Engineering Fair is hosted and supported by the Center for STEM Education housed in the Cato College of Education.
Special Awards Winners

Regional Winners
Division and Category
* Designates Advancement to State Fair

Broadcom Masters
ISEF Winners

*All of the Judges’ Decisions are Final*
Special Awards Winners
NC American Water Works Association (NCAWWA)-Water Environment Federation (WEF)

Award Winners will be notified by email
| U.S. Stockholm Junior Water Prize | Nominees will receive be emailed information. |
Special Awards Winners
American Chemical Society

Elementary
First Place: Srilekha Krishnan, 5th grade, “What purifies water best?”

Second Place: Avika Sheth, 3rd grade, “The Sweet Mystery of Halloween Candy”

Third Place: Maxwell Andersen, 5th grade, "Hot Dog Mummies"

Sikes Award for Passion in the Chemical Sciences: Vaishnavi Dhiman, 4th grade, “Can henna be removed instantly?”
Special Awards Winners
American Chemical Society

**Junior**

First Place: Nicholas Moore, The Brawley IB School, Mooresville, NC, “Masks and O2 Levels”

Second Place: Laasya Bodducherla, Randolph IB Middle School, “Catalyzing Carrots”

Sikes Award for Passion in the Chemical Sciences: Rishi Sarvepalli, Weddington Middle School, “Rocketology - Baking Soda + Vinegar = Liftoff!”
Special Awards Winners
American Chemical Society

**Senior**
First Place: Lisa Zhang, 11th grade, “Rare-Earth-Free Silicon Based Organic Molecules for Solid-State Lighting Applications”

Sikes Award for Passion in the Chemical Sciences: Sutharsika Kumar, 9th grade, “Is Your Toothpaste the Best?”
<table>
<thead>
<tr>
<th>ISEF Regional Award Organization</th>
<th>Criteria</th>
<th>Winners</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Meteorological Society</td>
<td>For excellence in atmospheric and related oceanic and hydrologic sciences.</td>
<td>Timothy Campbell, Karthik Nemani</td>
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<tr>
<td>American Psychological Association</td>
<td>For achievement in research in psychological science.</td>
<td>Aakriti Lackshmanan</td>
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<tr>
<td>ASM Materials Education Foundation</td>
<td>For most outstanding exhibit in materials science.</td>
<td>Lisa Zhang</td>
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<tr>
<td>Mu Alpha Theta</td>
<td>For the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a high school student.</td>
<td>Pranav Narala</td>
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<tr>
<td>NASA Earth System Science Award</td>
<td>Winning project, which best demonstrates insights into Earth’s interconnected spheres including different spheres of the Earth system, their interactions and change over time.</td>
<td>Timothy Campbell</td>
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<tr>
<td>National Oceanic and Atmospheric Administration</td>
<td>The NOAA Award will go to one individual whose research emphasizes NOAA’s mission of Science, Service, and Stewardship.</td>
<td>Timothy Campbell</td>
</tr>
<tr>
<td>Ricoh USA, Inc.</td>
<td>This regional award is presented to the student whose research has demonstrated the principles and technical innovations that offer the greatest potential for sustainable development.</td>
<td>Mason Sufnarshki</td>
</tr>
<tr>
<td>U.S. Agency for International Development (USAID)</td>
<td>For scientific excellence and using science innovatively to create a potential solution to international development challenges.</td>
<td>Mason Sufnarshki</td>
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<tr>
<td>U.S. Metric Association</td>
<td>For the best use of The International System of Units</td>
<td>Lisa Zhang</td>
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<tr>
<td>United States Air Force</td>
<td>Outstanding Science Engineering Project</td>
<td>Dev Chheda</td>
</tr>
<tr>
<td>Yale Science and Engineering Association</td>
<td>Most Outstanding Exhibit in Science, Technology Engineering and Mathematics</td>
<td>Aditya Ramakrishn</td>
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</tbody>
</table>
Elementary Biological Sciences

*1. Reva Khaire, Barringer Academic
*2. Elijah Priester, Coltrane Webb
*3. Aadhya Devabhaktuni, Antioch Elem

Honorable Mention

Juliet Kawski, R. Brown McAllister Elem

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Elementary Chemistry

*1. Srilekha Krishnan, Coltrane Webb

*2. Avika & Avadhi Sheth, Barringer Academic

*3. Araoluwa Osimokun, Lake Norman Elem

Honorable Mention

Medha Bonda, Antioch Elem

* Designates Advancement to State Fair
Elementary Earth/Environmental Science

*1. Madelyn Sapp, Lakeshore Elem
*2. Gabriel Marseille, Barringer Academic
*3. Kylie Charlton, Patriots Elem
Honorable Mention
Ishan Sundaram, Barringer Academic

* Designates Advancement to State Fair
Elementary Engineering/Technology

*1. Charlie Shaver, Norwood Elem
*2. Atul Nitin, Coltrane Webb
*3. Krish Sridhar, Metrolina Regional Scholars

Honorable Mention

Aanya Bharadwaj, Barringer Academic

* Designates Advancement to State Fair
<table>
<thead>
<tr>
<th>Rank</th>
<th>Name</th>
<th>School</th>
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<tbody>
<tr>
<td>1</td>
<td>Revant Pandey</td>
<td>Barringer Academic</td>
</tr>
<tr>
<td>2</td>
<td>Serah Mobin &amp; Giulanna Pendola</td>
<td>Coddle Creek Elem</td>
</tr>
<tr>
<td>3</td>
<td>Watson Houck</td>
<td>Barringer Academic</td>
</tr>
<tr>
<td></td>
<td>Raghav Garg</td>
<td>Coddle Creek Elem</td>
</tr>
</tbody>
</table>

* Designates Advancement to State Fair
Junior Biological Sciences A

*1. Radhika Unnikrishnan, Metrolina Regional Scholars
*2. Pragthi Akula, JN Fries Magnet

* Designates Advancement to State Fair
Junior
Biological Sciences B

*1. Aashvi Shah, Mount Mourne Middle
*2. Ananth Bhat, Weddington Middle
*3. Brody McBride, Brawley Middle

* Designates Advancement to State Fair
Junior Chemistry

*1. Rishi Sarvepalli, Weddington Middle
*2. Nicholas Moore, Mount Mourne Middle
*3. Nicholas Secondi, CC Griffin Middle

* Designates Advancement to State Fair
Junior

Earth/Environmental Science

*1. Bella Watkins, CC Griffin Middle
*2. Aadarsh Lakshmanan, Metrolina Regional Scholars
*3. Connor Williams, CC Griffin Middle

* Designates Advancement to State Fair
Junior Engineering

*1. Rainey Mangan, CC Griffin Middle
*2. Noah Waits & Lucas Mullis, Oakboro Choice STEM
*3. Elijah Palmeter, Mount Mourne Middle

* Designates Advancement to State Fair
Junior Technology

*1. Akshith Byreddy & Adithi Takkellapati, JN Fries Magnet

*2. Maycee Taylor, JN Fries Magnet

* Designates Advancement to State Fair
Junior
Physics & Math

*1. Pranav Pamula, Weddington Middle
*2. Maira Siddiqui, Mount Moune Middle

* Designates Advancement to State Fair
Senior

Biological Sciences A

*1. Shlok Patel, Marvin Ridge HS
*2. Reva Kumar, North Mecklenburg HS
*3. Srinidhi Jayaprakash, Marvin Ridge HS

* Designates Advancement to State Fair
Senior

Biological Sciences B

*1. Tiancheng Lan, Gaston Day School
*2. Aakriti Lakshmanan, Levine Middle College
*3. Veda Dayananda, East Mecklenburg HS

* Designates Advancement to State Fair
Senior Chemistry

*1. Lisa Zhang, Providence HS
*2. Sutharsika Kumar Kalaiselvi, South Iredell HS
*3. Martin Inman, Forestview HS

* Designates Advancement to State Fair
Senior Earth/Environmental Science

*1. Karthik Nemani, Cox Mill HS

*2. Timothy Campbell, TD Campbell School

*3. James Gunter, Forestview HS

* Designates Advancement to State Fair
Senior Engineering

*1. Varma Utkarsh, Ardrey Kell HS
*2. Anjali Nelatoor & Sadhana Ramesh, Ardrey Kell HS
*3. Samuel Yount, Marvin Ridge HS

* Designates Advancement to State Fair
Senior Technology

*1. Aditya Suma Ramakrishn, Marvin Ridge HS
*2. Isha Narang, Ardrey Kell HS
*3. Hari Shankar, Ardrey Kell HS

* Designates Advancement to State Fair
Senior Physics & Math

*1. Pranav Narala, Marvin Ridge HS
*2. Luigi Bortolussi, Highland School of Technology
*3. Thomas Robinson, Forestview HS

* Designates Advancement to State Fair
Broadcom Masters Nominations
Radhika Unnikrishnan
Bella Watkins
Rainey Mangan
Aashvi Shah

Nominees will receive be emailed information.
ISEF Winners
Dev Chheda, Physics & Math, Ardrey Kell HS
Mason Sufnarski, Earth & Environmental Science, Marvin Ridge HS
Thank you!
We plan to see you in person 2022!

Alisa Wickliff, Associate Director, Center for STEM Education, UNC Charlotte
Dr. David Pugalee, Director, Center for STEM Education, UNC Charlotte