

CHARLOTTE
CENTER FOR STEM EDUCATION



UNC Charlotte Region 6

NC Science & Engineering Fair 2024 Awards Ceremony

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CENTER FOR STEM EDUCATION



The UNC Charlotte
NC Science & Engineering Fair
is hosted and supported by the
Center for STEM Education, Cato College of
Cato College of Education



2024

Special Awards Winners
Regional Winners by Division and
Category

** Designates Advancement to State Fair*

Thermo Fisher Scientific Winners
ISEF Winners

All Judges' Decisions are Final

Special Awards Winners American Chemical Society



Junior

#1: Jillian Schultheis - *Is It Clean?*

#2: Kate Navaro - *Banana vs. Beano*

#3: Kennedy Cornelius - *The Best Insulating Fabrics*



Special Awards Winners American Chemical Society



Senior

#1: Shria Rajesh - *Salt Bridges Over Electrified Waters: How Electricity Changes pH*

#2: Maya Caver - *Physicochemical characterization of zeolite nano resin (ZNR) for PFAS removal and water purification*



ACS
Chemistry for Life®



ISEF Regional Award Organization	Criteria	Winners
Regeneron Biomedical Science	For excellence in biomedical science.	Sreeja Appala
American Psychological Association	For achievement in research in psychological science.	Sashvathkumar Krishnakumar
Association for Women Geoscientists	For projects that exemplify high standards of innovativeness and scientific excellence in the geosciences.	Sariah Alege
Environmental Protection Agency (EPA)	For students who have outstanding projects in the areas of environmental science and environmental engineering.	Kyli Herndon
NASA Earth System Science Award	Winning project, which best demonstrates insights into Earth's interconnected spheres including different spheres of the Earth system, their interactions and change over time.	Harini Balaji
National Oceanic and Atmospheric Administration	The NOAA Award will go to one individual whose research emphasizes NOAA's mission of Science, Service, and Stewardship.	Aardash Lakshmanan



ISEF Regional Award Organization	Criteria	Winners
U.S. Metric Association	For the best use of the International System of Units.	Dhanvi and Dhiya Manivasagam
Society for In Vitro Biology	Winners exhibit in the area of plant or animal in vitro biology or tissue culture.	Magdalene Ballard
Yale Science and Engineering Association	Most Outstanding Exhibit in Science, Technology Engineering and Mathematics	Nicholas Moore
Lemelson Early Inventor	Project best exemplifies the ideals of inventive thinking by addressing a challenge in a community and creating a solution that will improve the lives of others.	Xander Snell
Ricoh USA, Inc.	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.	Stephanie Li

Elementary

Biological Sciences



*1. LB Leuschel, Robinson Elementary

*2. Emalyn & Kellan Jennings,
Hawks Nest STEAM Academy

*3. Amina Abdullaeva & Talia Sorenson,
Endhaven Elementary
Honorable Mention

Adalyn Reckert, Third Creek Elementary
Silas Niblo, Union Grove Elementary

Elementary Chemistry

- *1. Haniya Hussain, Patriots Elementary
- *2. Blythe Sipe, Hawks Nest STEAM Academy
- *3. Charlie Garland, Celeste Henkel Elementary

Honorable Mention

Maia Stevenson & Emerson Walker, East Iredell Elementary
Michaele and Carrie Cody, Carl A. Furr Elementary

Elementary

Earth/Environmental Science



*1. Aahana Das & Varshitha Swathika,
Lake Norman Elementary

*2. Advaita Nithin, I-SS Virtual Academy

*3. Nora Boots, Cool Spring Elementary

Honorable Mention

Kate Conner, Weddington Hills Elementary

Kavin Kumar, Coltrane-Webb Elementary

Elementary Engineering/Technology

- *1. Henry Markwith, Hawks Nest STEAM Academy
- *2. Trinity Austin, Oakboro Choice STEAM Elementary
- *3. Samuel Diamond, Hawks Nest STEAM Academy

Honorable Mention

Camden Hunter, Hawks Nest STEAM Academy

Muhib Kamdar, Hawks Nest STEAM Academy

Elementary

Physics & Math



- *1. Chigoziem Nnaekpe, Patriots Elementary
 - *2. Caron Cherry & Harrison Coleman,
Woodland Heights Elementary
 - *3. Kyle Zell, Hawks Nest STEAM Academy
- Honorable Mention*
- Brynn Dubois, W. A. Bess Elementary
Caleb Fronczak & Peyton Smith, Endhaven Elementary

Junior Biological Sciences A

- * 1. Rutwa Patil, Metrolina Scholars Academy
- * 2. Harini Jayakumar & Chethana Venu,
Brawley Middle School
- * 3. Reagan Beard, Stanley Middle School
- * 4. Kylie Charlton, JN Fries Magnet School

Honorable Mention

Prudence Hammond & Rosalyn Skidmore, Stanley Middle

Junior Biological Sciences B

- *1. Alex Bello, Charlotte Preparatory School
- *2. Samuel Cornelius, Charlotte Preparatory School
- *3. William CrossYLeon & Judah Crane,
John Chavis Middle School
- *4. Samriddhi Shreemayee, C.C. Griffin Middle School
Honorable Mention
Alexander Ehasani, C.C. Griffin Middle School

Junior Chemistry

- *1. Jillian Schultheis, Stanley Middle
- *2. Kate Navarro, Charlotte Preparatory School
- *3. Kennedy Cornelius, Charlotte Preparatory School
- *4. Trinity Adams & Chelsy Hernandez,
Stanley Middle School
Honorable Mention
Janaki Patil & Shragvi Sadhu, Brawley Middle

Junior

Earth/Environmental Science

- *1. Aanya Bharadwaj, Randolph Middle School
 - *2. Rajorshi Royshoudhury & Nitya Yadlapalli,
Community House Middle School
 - *3. Sadie Tai, Charlotte Preparatory School
 - *4. Reva Khaire, JN Fries Magnet School
- Honorable Mention*
Maadhava Parthasarathy, Weddington Middle

Junior Engineering

- *1. Raghav Garg, Brawley Middle
- *2. Xander Snell, J.N. Fries Magnet
- *3. Colin Anderson, Cyrus Balimore,
Vincent Vernitsky, Stanley Middle
- *4. David Lopez Saldivar, Stanley Middle

Honorable Mention

Summer Lan, Charlotte Preparatory School

Junior Technology

*1. Hudson Bentley, Mason Hunter, Kalen LeRoy, JN Fries Magnet

*2. Kinley Robinson, C.C. Griffin Middle

*3. Aadit Krishna, Weddington Middle

*4. Liliana Nelson, C.C. Griffin Middle

Honorable Mention

Darsheel Jha, Randolph Middle

Junior Physics



- *1. Liam Romance, Charlotte Preparatory School
- *2. Payton Bell & Cannon Ernst,
Mount Holly Middle
- *3. Carter Hahn, Charlotte Preparatory School
- *4. Jackson Ward, North Iredell Middle
Honorable Mention
Isabella Ogan, Stanley Middle

Junior

Math & Data Science

- *1. Aadhya Devabhaktuni, JN Fries Magnet
- *2. Amelia Burr, Stanley Middle
- *3. Ishan Sundaram, Randolph Middle
- *4. Alexis Dobson & Bryson Yarbrow,
John Chavis Middle

Senior

Biological Sciences A

- *1. Sreethan Gajula & Kirtan Patel,
Marvin Ridge HS
- *2. Richard Cataldo, Sandra Richards,
Oviya Selvakumar, South Iredell HS
- *3. Anjana Suresh & Arya Nair, Marvin Ridge HS
- *4. Bronwen Bates, Concord HS

Senior

Biological Sciences B

- *1. Sreeja Appala, South Iredell HS
- *2. Abigail Keaton, South Iredell HS
- *3. Sash Krishnakumar, Cox Mill HS
- *4. Kripa Sudhir, Marvin Ridge HS

Senior Chemistry

- *1. Shria Rajesh, South Iredell HS
- *2. Micajah Hanna, Gaston Early College
- *3. Noah Ballard, Concord HS

Senior

Earth/Environmental Science

- *1. Aadarsh Lakshmanan, Ardrey Kell HS
- *2. Stephanie Li, Marvin Ridge HS
- *3. Harini Balaji, Hickory Ridge HS
- *4. Aminta Noble, Radha Suresh, Campbell
Sutton, South Iredell HS

Senior Engineering



- *1. Nicholas Moore, South Iredell HS
- *2. Arkapravo Sen, Weddington HS
- *3. Seth Eaker, Grayson Harrington,
Helanea Killian, Gaston Early College
- *4. Lizette Reyes-Lopex & Bannock Scott,
Gaston Early College HS

Senior Technology

- *1. Adam Stone, Charlotte Latin HS
- *2. Sahana Raghavan, Providence HS
- *3. Narayani Garg, South Iredell HS
- *4. Rahul Dutt, Ardrey Kell HS

Senior Physics

- *1. Ankit Biswas, Providence HS
- *2. Pranav Pamula, Weddington HS
- *3. Harshitha Jasti, Marvin Ridge HS
- *4. Nachammai Annamalai, South Iredell HS

Senior

Math & Data Science

- *1. Zaynah Khan, Marvin Ridge HS
- *2. Harshil Jagga, Ardrey Kell HS
- *3. Dhanvi & Dhiya Manivasagam, Ardrey Kell HS
- *4. Grisham Paimagam, Myers Park HS

Thermo Fisher Scientific Junior Innovators Challenge Nominations

Aadhya Devabhaktuni

Aanya Bharadwaj

Jillian Schultheis

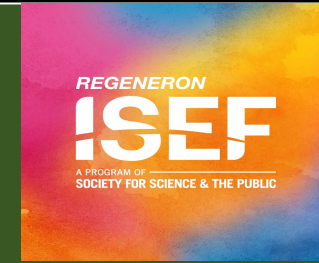
Rajorshi Royshoudhury & Nitya Yadlapalli

Kinley Robinson

Liam Romance

Nominees will receive be emailed information.

2024



ISEF Winners

Los Angeles CA (May 12-17, 2024)

Maya Caver, J.M. Robinson High School

Yunjia Quan, Charlotte Country Day

Thank you!
We hope to see you 2025!

Alisa Wickliff, Associate Director, Center for STEM Education, UNC Charlotte
Dr. Chris Gordon, College of Education, Lenoir Rhyne University
Dr. David Pugalee, Director, Center for STEM Education, UNC Charlotte