



Dr. Rorke - Adams Fair

Chester County Science Research Competition (CCSRC)



Thank You!

Thank you to our Science Fair consultants, Steve Houdeshel and Roger Mecouch, for helping to make the 34th annual Chester County Science Research Competition actually happen and for making the first virtual CCSRC a success!

Thank you to all the school coordinators, who were already navigating completely new territory, but who jumped in any way to help their students enhance their learning in the scientific arena.

Thank you to all our judges, who lent their time and expertise, to evaluate all 223 projects and interview all 244 students across both fairs. It was exciting to see 4th graders on up to seniors, being interviewed by college professors, members of business and industry, and retired teachers.

Thank you to the teachers, parents, sponsors, and mentors who have supported and encouraged these students and helped foster their curiosity and love of learning.

Finally, thank you to the staff of the CCIU Communications and IT Divisions for helping to create a space in which the students could interview. Their input was valuable and helped give a very workable and successful framework to our first virtual fair.





Congratulations!

Congratulations to all the students who competed in the CCSRC. You are all winners for making it to the county level of competition. You represent some of the brightest students in our county. Among you are our future doctors, engineers, and scientists. You will be curing diseases, planning for a more environmentally conscience community, creating the next great innovation, and shaping our future society. Special congratulations to those whose names you will see on the following pages, many of whom will move onto the next level of competition at the Delaware Valley Science Fairs.

Good luck to all our young scholars!



Thank you to our Sponsors and Supporters!

The Chester County Science Research Competition

is sponsored by

CCRES, The Dow Chemical Company, Delaware Valley Science Fairs,
and powered by STEM Wizard

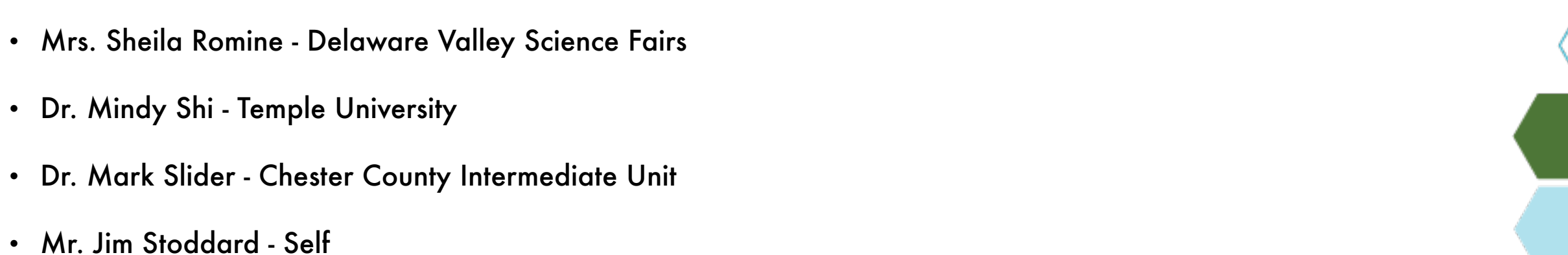


Judges

- Mrs. Tracey Andre - Educational Testing Service
- Ms. Mary-Rita Bonner - OJRSD
- Mr. Wes Bruckno - Chester County
- Ms. Melanie Coldiron - Chester County Intermediate Unit
- Ms. Molly Deger - Chester County Conservation District
- Mr. Christopher Domalewski - University of Delaware
- Dr. Stewart Feinberg - Retired from Dupont
- Mrs. Elizabeth Gentile - Eastern Research Group, Inc.
- Mr. Steven Houdeshel - Retired
- Mr. Bob Hranek - Perspecta
- Dr. Sriram Krishnan - ConcertAI
- Dr. Anita Laloo - Merck
- Mr. David Lewandowski - Commscope Inc.
- Dr. Madolyn MacDonald - University of Delaware
- Dr. Jeff Martoff - Temple University
- Mrs. Sandra McCabe - Chester County Intermediate Unit
- Dr. Tom McCarthy - Retired (Formerly employed by Panthera)
- Mr. R Roger Mecouch - Retired
- Mr. Michael Minnich - Pfizer
- Mrs. Melissa Nyoni - Chester County Intermediate Unit



Judges

- Mr. Charles Parker - Retired
 - Mr. Bill Phifer - Fellows Consulting Group (Partner)
 - Mrs. Payton Phillips - Temple University
 - Dr. Christine Phillips-Piro - Franklin & Marshall College
 - Mr. Andrew Romine - Scripps Research
 - Mrs. Isabelle Romine - Scripps Research
 - Mrs. Sheila Romine - Delaware Valley Science Fairs
 - Dr. Mindy Shi - Temple University
 - Dr. Mark Slider - Chester County Intermediate Unit
 - Mr. Jim Stoddard - Self
 - Mr. John Taima - Kelly Temporary Services (formerly AESOP)
 - Dr. Nicholas Truncellito - Retired
 - Dr. Rina Vassallo - Educational Consultant
 - Ms. Christine Vidsens - Alnylam Pharmaceuticals
 - Dr. Eileen Weaver - Chester County Intermediate Unit
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Coordinators and Schools

- Avon Grove Charter School - Kate Richardson
 - Avon Grove Charter School - Upper School - Sarah Lucas
 - Avon Grove High School - Nora Radu
 - Bishop Shanahan High School - Jane Graham
 - Charles F. Patton Middle School - MaryJo Knauer
 - Coatesville Area Intermediate High School - Jamar Alston
 - Collegium Charter School - Kassaundra High
 - Conestoga High School - Scott Best
 - Downingtown Middle School - Wendy King
 - Downingtown STEM Academy - Michael Podlesney
 - East Coventry Elementary School - Keeley White
 - French Creek Elementary School - Amy Hess
 - Great Valley Middle School - Barry Ziober
 - J. R. Fugett Middle School - Heidi Abbott
 - Lionville Middle School - Mary Elvin
 - Marsh Creek Sixth Grade Center - Jen Bergman
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Coordinators and Schools Continued

- North Coventry Elementary School - Nick Zurga
- Owen J. Roberts Middle School - Mary-Rita Bonner
- PA Leadership Charter School - Katherine Przeworski
- Renaissance Academy Charter School - Kimberly Wheelles
- Saint Agnes School - Anne Maxwell
- SS Simon and Jude School - Jacqueline Dryfoos
- St. Joseph School - Alyssa Polselli
- St. Maximilian Kolbe School - Mary Riccardo
- Tredyffrin/Easttown Middle School - Jothi Strohmetz
- Unionville High School - Sandra Litvin
- Villa Maria Academy High School - Jill Alexis
- Villa Maria Academy Lower School - Lauren Luffy
- West Vincent Elementary School - Erin Flexner
- Westtown School - Steve Compton

The background features a decorative border of hexagons in various shades of green, blue, and dark blue. Some hexagons contain icons related to science and technology, such as a lightbulb, a biohazard symbol, a microscope, a brain, a graph, a battery, a globe, a flask, a building, a triangle, and a computer monitor displaying the equation $E=mc^2$.

Honorable Mentions

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- E Fair - Behavior & Social Science - Grace U.
- E Fair - Biochemistry - Sarah P.
- E Fair - Botany - Anwita T.
- E Fair - Engineering - Reid G.
- E Fair - Physics - Matiss C.
- E Fair - Physics - Mick K.
- E Fair - Physics - Brooke R.
- E Fair - Team Projects – Sindhu A. & Jamie L.
- B Fair - Medicine & Health - Gretta R.

A decorative border composed of a grid of hexagons in various shades of green, blue, and dark blue. Some hexagons contain icons related to science and technology, such as a lightbulb, a biohazard symbol, a microscope, a gear, a battery, a globe, and mathematical symbols like $E=mc^2$ and $2x2=4$.

3rd Place

3rd Place

- E Fair - Behavior & Social Science - Katherine M.
- E Fair - Biochemistry - Ajay G.
- E Fair - Botany - Anshul K.
- E Fair - Chemistry - Sean F.
- E Fair - Computer Science - Shirin K.
- E Fair - Consumer Science - Amelia M.
- E Fair - Engineering - Cecily V.
- E Fair - Medicine & Health - Maddie M.
- E Fair - Physics - David C.
- E Fair - Team Projects - Avi K. & Ansh K.
- D Fair - Biochemistry - Andrew C.
- D Fair - Medicine & Health - Deepshika V.
- D Fair - Team Projects - Conner S.
- D Fair - Team Projects - William B.
- C Fair - Biochemistry - Ashleigh E.
- C Fair - Medicine & Health - Ria S.
- B Fair - Biochemistry - Gabriella K.
- B Fair - Medicine & Health - Meera S.

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2nd Place

2nd Place

- E Fair - Behavior & Social Science - Tanvi C.
- E Fair - Biochemistry - Nanayaa B.
- E Fair - Botany - Cora W.
- E Fair - Chemistry - Sierra D.
- E Fair - Computer Science - Aadit S.
- E Fair - Consumer Science - Keira T.
- E Fair - Engineering - Emma L.
- E Fair - Environmental Science - Tejaswi C.
- E Fair - Mathematics - Ishita S.
- E Fair - Medicine & Health - Camille B.
- E Fair - Physics - Andrew D.
- E Fair - Team Projects - Sruthi D. & Kavya K.
- D Fair - Biochemistry - Samantha S.
- D Fair - Medicine & Health - Mary Kate D.
- D Fair - Team Projects - Rohan K. & Arjun S.
- C Fair - Biochemistry - Deborah U.
- C Fair - Environmental Science - Devyn S.
- C Fair - Medicine & Health - Alaina G.
- B Fair - Biochemistry - Mary D.
- B Fair - Chemistry - Nikitha K.
- B Fair - Environmental Science - Madeline O.
- B Fair - Medicine & Health - Prithvi P.



1st Place



1st Place

- E Fair - Behavior & Social Science - Elizabeth C
- E Fair - Biochemistry - Rowan C.
- E Fair - Botany - Sriya V.
- E Fair - Chemistry - Aditi C.
- E Fair - Computer Science - Shivam M.
- E Fair - Consumer Science - Leah N.
- E Fair - Earth & Space Science - Emma S.
- E Fair - Engineering - Hanyang L.
- E Fair - Environmental Science - Pooja M.
- E Fair - Mathematics - Sohum B.
- E Fair - Medicine & Health - Howard K.
- E Fair - Microbiology - Anand S.
- E Fair - Physics - Kai U.
- E Fair - Team Projects - Daniel M. & Varoon J.
- E Fair - Zoology - Anna H.
- D Fair - Behavior & Social Science - Saanvi C.
- D Fair - Biochemistry - Kieran C.
- D Fair - Chemistry - Dean C.
- D Fair - Computer Science - Everett M.
- D Fair - Medicine & Health - Sreevarshini Y.

1st Place Continued

- D Fair - Physics - Bhavesh M.
- C Fair - Biochemistry - Katrina B.
- C Fair - Botany - Teagan O.
- C Fair - Engineering - Claire F.
- C Fair - Environmental Science - Sofia T.
- C Fair - Medicine & Health - Wafiza J.
- B Fair - Behavior & Social Science - Irene A.
- B Fair - Biochemistry - Hyunkyung L.
- B Fair - Chemistry - Pooja P.
- B Fair - Computer Science - Yangyue (Martin) M.
- B Fair - Engineering - Leo W.
- B Fair - Environmental Science - Eeshwar K.
- B Fair - Mathematics - Kavish S.
- B Fair - Medicine & Health - Shayl C.
- B Fair - Physics - Arnab S.
- B Fair - Team Projects - Maria H. & Cassandra H.
- A Fair - Engineering - Carter G.
- A Fair - Engineering - Addison L.
- A Fair - Environmental Science - Lauren Y.

The background features a decorative border of hexagons in shades of blue, green, and dark blue. Some hexagons contain icons related to science and technology, such as a lightbulb, a biohazard symbol, a microscope, a gear, a battery, a globe, a balance scale, a flask, a building, and mathematical symbols like $E=mc^2$ and $2x2=4$.

Special Awards

Special Awards

- E Fair – Botany – Bright Ideas in Botany – Karina S.
- E Fair – Chemistry - Substantial Interactions in Chemistry - Aditi C.
- E Fair – Consumer Science - Summer Science Academy Award (Consumer) - Leah N.
- E Fair – Earth & Space Science – Future Scientist Award (Earth & Space) - Emma S.
- E Fair – Environmental - Best Use of Chemistry or Biology to Solve an Environmental Problem - Pooja M.
- E Fair – Microbiology - Dave Jarvie Award for Life Science - Anand S.
- E Fair – Physics - Persistence in Science – Mary M.
- E Fair – Zoology - Impressive Investigation in Zoology – Anna H.
- C Fair – Biochemistry - Significant Developments in Biochemistry - Katrina B.
- C Fair – Engineering - Persistence in Science - Claire F.
- C Fair – Environmental - Excellence in Environmental Science – Sofia T.
- C Fair – Medicine & Health - Creative Discovery in Medicine & Health - Wafiza J.

Special Awards Continued


- B Fair – Behavior & Social Science - Distinguished Performance in Behavioral & Social Sciences – Irene A.
- B Fair – Computer Science - Innovation in Science (Computer) - Yangyue (Martin) M.
- B Fair – Environmental - Outstanding Project in Environmental Science - Eeshwar K.
- B Fair – Mathematics - Outstanding Use of Mathematics - Kavish S.
- B Fair – Medicine & Health - Outstanding Project in Medicine & Health - Shayl C.
- B Fair – Physics - Powerful Force in Physics - Arnab S.
- B Fair – Team - DOW Chemical Partnership in Science - Maria M. & Cassandra H.
- A Fair – Engineering - Excellence in Engineering Award - Carter G.
- A Fair – Engineering - Spirit of Engineering Award - Addison L.

The background features a decorative border of hexagons in shades of blue, green, and dark blue. Some hexagons contain icons representing various scientific fields: a biohazard symbol, a lightbulb with a question mark, a microscope, a brain, a graph, a battery, a globe, a balance scale, a flask, a building, and a person with hands raised.

Best of Division




Best of Division 3rd Place

- E Fair - Environmental Science - Pooja M.
 - D Fair - Biochemistry - Kieran C.
 - C Fair - Botany - Teagan O.
 - B Fair - Physics - Arnab S.
 - A Fair - Environmental Science - Lauren Y.
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Best of Division 2nd Place

- E Fair - Physics - Kai U.
 - D Fair - Computer Science - Everett M.
 - C Fair - Biochemistry - Katrina B.
 - B Fair - Medicine & Health - Shayl C.
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Best of Division 1st Place

- E Fair - Computer Science - Shivam M.
 - D Fair - Behavior & Social Science - Saanvi C.
 - C Fair - Engineering - Claire F.
 - B Fair - Engineering - Leo W.
 - A Fair - Engineering - Carter G.
 - A Fair - Engineering - Addison L.
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A decorative border of hexagons in various colors (blue, green, yellow, dark blue) surrounds the central text. One hexagon in the top border contains a logo of a graduation cap and a diploma.

Congratulations!

Chester County Science Research Competition Staff

Kathy Gurnee, Special Events Coordinator, CCIU

Steve Houdeshel, CCSRC Consultant

Roger Mecouch, CCSRC Consultant

Kate Campbell, Contractor

Nick Caputo, Technology Support Specialist, CCIU

Jennifer Chicosky, Marketing & Community Engagement Manager, CCIU

Bill Freeman, Communications Intern, CCIU

Marta Howard, Confidential Secretary, CCIU

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Kelsey Mattia, Communications Specialist, CCIU

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