



Dr. Jonas B. Salk Fair

# Chester County Science Research Competition (CCSRC) 2021-22



# Thank You!

Thank you to our Science Fair consultants, Steve Houdeshel and Roger Mecouch, and Science Fair advisor, Bob Hranek, for reviewing over a thousand forms to ensure our student scientists conducted their experiments safely and in line with the rules and regulations of Delaware Valley Science Fairs (DVSF) and the Regeneron International Science and Engineering Fair (ISEF).

Thank you to all the school coordinators, both new and veteran, who were already taking on more than their fair share this school year, but who jumped in anyway to help their students enhance their learning in the scientific arena.

Thank you to all of our judges, who lent their time and expertise, to evaluate all 256 projects and interview all 289 students across both fairs. It was exciting to see 4<sup>th</sup> graders through 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 Department, who put in many hours to ensure a smooth experience for our students and judges.





# 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 who were innovative, creative, and who proved their expertise in the category in which they were judged.

We look forward to seeing all of you at next year's Chester County Science Research Competition.

Good luck to all of our young scholars as they finish the 2021-22 school year!




# Thank you to our Sponsors and Supporters!

The Chester County Science Research Competition is sponsored by The POINT, AGI, Herr's, and the Delaware Valley Science Fairs; funded in part by grants from CCRES and West Pharmaceutical; and powered by STEM Wizard.



A decorative border at the top of the slide consisting of a row of hexagons in various colors: light blue, green, dark green, light green, and dark blue. One of the dark green hexagons contains a white icon of a protractor and a pencil.

# With much gratitude to our Special Awards Sponsors!


- Richard & Patti Smith
  - Delaware Valley Science Fairs
  - Anonymous
- 
- A decorative border at the bottom right of the slide consisting of a vertical column of hexagons in various colors: dark green, light blue, light green, and dark green. The top hexagon is a light blue outline.

# Judges

- Mr. Seth Barton-Roberts - Chester County Intermediate Unit
- Mrs. Danielle Bates - Chester County Intermediate Unit
- Mrs. Nikki Bonaduce-Davis - Chester County Intermediate Unit
- Mrs. Tracy Boswell - Chester County Intermediate Unit
- Ms. Kate Campbell - Self-Employed
- Mr. Jay Erb - Chester County Parks + Preservation
- Ms. Tonia Farnum - Chester County Intermediate Unit
- Ms. Kristi Firrantello - Chester County Intermediate Unit
- Mrs. Nancy Gober - Chester County Intermediate Unit
- Mr. Steve Houdeshel - Retired
- Mr. Bob Hranek - Arcfield (pending)
- Mr. David Humes - Chester County Intermediate Unit
- Ms. Ivana Ivanovic - Chester County Intermediate Unit
- Mrs. Diana Kowalski - Chester County Intermediate Unit
- Mr. Roger Mecouch - Retired
- Mr. Joseph Neill - Unisys Corp.
- Mrs. Melissa Nyoni - Chester County Intermediate Unit
- Mr. Anton Ocepek - Downingtown Area School District
- Ms. Serena Omo-Lamai - University of Pennsylvania
- Mrs. Sarrah Pease Schricker - Chester County Intermediate Unit
- Mr. Judd Pittman - Thaddeus Stevens College of Technology
- Ms. Nadira Presley - Chester County Intermediate Unit
- Ms. Elisa Rose - Chester County Intermediate Unit
- Mr. Edgar Salazar - University of Delaware
- Mrs. Ramya Shetty - Capital One



# Judges continued

- Mr. Adam Spargo - Chester County Intermediate Unit
  - Mrs. Kimberly Stefanski - Chester County Intermediate Unit
  - Mr. Jim Stoddard - Self-Employed
  - Mrs. Karen Stokes - Chester County Intermediate Unit
  - Ms. Christine Vidsens - Self-Employed
  - Dr. Eileen Weaver - Chester County Intermediate Unit
  - Mr. CJ Witherspoon - The Creative Club of Chester County
  - Mr. Ben Yocum - The Creative Club of Chester County
- 

# Coordinators and Schools

- Avon Grove Charter School – Kate Richardson
- Beaver Creek Elementary School – Maddie McGrail
- Chadds Ford Elementary School – Mary Jo Knauer
- Charlestown Elementary School – Shana Cooper
- Collegium Charter School – Kassandra High
- East Coventry Elementary School – Keeley White
- East Fallowfield Elementary School – Joann Billman
- East Vincent Elementary School – Katie Overland
- French Creek Elementary School – Amy Hess
- K. D. Markley Elementary School – Michelle Hanna
- King's Highway Elementary School – Elizabeth Bennett
- North Coventry Elementary School – Nick Zurga
- Rainbow Elementary School – Kathy Elicker
- Reeceville Elementary School – Jessica Canning
- Springton Manor Elementary School – Cheryl Curtis
- Sugartown Elementary School – Sarah O'Neill
- Tredyffrin/Easttown Middle School – Kristen Connelly
- Uwchlan Hills Elementary School – Christina Bucci
- West Vincent Elementary School – Erin Flexner





# Honors

---



# Honors

- Behavior & Social Science – Amelia R.
- Biochemistry – Elle P.
- Botany – Madison H.
- Chemistry – Aaryan D.
- Chemistry – Genesis M.
- Consumer Science – Jake P.
- Earth & Space Science – Imalia A.
- Engineering – Aditya Kesari V.
- Engineering – Anurag G.
- Environmental Science – Shiriya H.
- Medicine & Health – Arnav G.
- Physics – Brayden V.
- Team Projects – Lucia S. & Isabella 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 education, such as a lightbulb, a microscope, a globe, a beaker, a battery, a calculator, and a person holding a book.

# High Honors

---



# High Honors


- Behavior & Social Science – Jorie M.
  - Biochemistry – Thomas K.
  - Botany – Emma T.
  - Chemistry – Norah J.
  - Chemistry – Lydia W.
  - Consumer Science – Emma H.
  - Earth & Space Science – Ahana P.
  - Engineering – Aarush R.
  - Engineering – Mia H.
  - Environmental Science – Suhani K.
  - Medicine & Health – Dean J.
  - Microbiology – Aaron S.
  - Physics – Bennette R.
  - Team Projects – Jack S. & Shashwath A.
- 

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

# Distinguished Honors

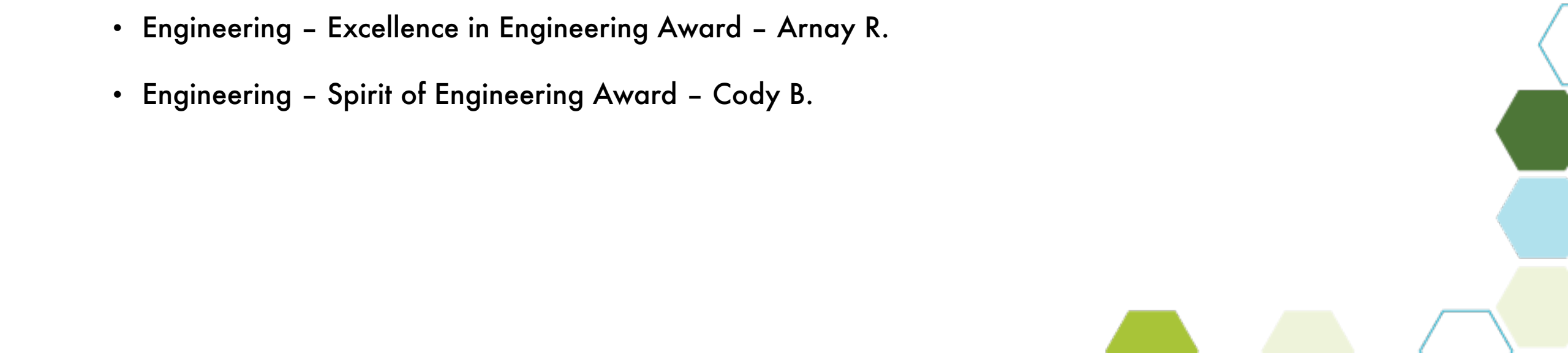


# Distinguished Honors

- Behavior & Social Science – Chaitra C.
  - Biochemistry – Aashman G.
  - Botany – Maya R.
  - Chemistry – Madeline B.
  - Chemistry – Ansel B.
  - Computer Science – Austin W.
  - Consumer Science – Thomas C.
  - Earth & Space Science – Rishab A.
  - Engineering – Cody B.
  - Engineering – Panash K.
  - Environmental Science – Riya S
  - Medicine & Health – Saket Rishi G.
  - Microbiology – Blakely W.
  - Physics – Evan G.
  - Team Projects – Benjamin F. & Colbin C.
  - Zoology – Colby P.
- 




# Special Awards

- Behavior & Social Science – Distinguished Performance in Behavioral & Social Sciences – Jorie M.
  - Botany – Bright Ideas in Botany – Adeline K.
  - Chemistry – Substantial Interactions in Chemistry – Marie M.
  - Computer Science – Innovation in Computer Science – Austin W.
  - Earth & Space Science – Future Scientist in Earth & Space – Imalia A.
  - Engineering – Excellence in Engineering Award – Arnay R.
  - Engineering – Spirit of Engineering Award – Cody B.
- 

A decorative border at the top of the slide consists of a row of hexagons in various colors: blue, green, light blue, dark blue, and white. One of the green hexagons contains a small white icon of a microscope.

# Special Awards Continued

- Medicine & Health – Creative Discovery in Medicine & Health – Saket Rishi G.
  - Physics – Powerful Force in Physics – Cutler W.
  - Team – Partnership in Science – Benjamin F. & Colbin C.
  - Zoology – Impressive Investigation in Zoology – Colby P.
  - Special – Dave Jarvie Award for Life Science – Emmanuel G.
- 
- A decorative border at the bottom right of the slide consists of a cluster of hexagons in various colors: green, blue, and white.



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 gears, a microscope, a DNA helix, a graph, a battery, a globe, a balance scale, a flask, a building, a pie chart, and a hand holding a plant.

# Best of Division

A decorative border at the top of the slide consists of a row of hexagons in various colors: light blue, lime green, dark green, light blue, light green, dark blue, and light blue. The hexagon containing the dark green color features a white icon of a microscope.

# Best of Division

- **3<sup>rd</sup> Place** – Behavior & Social Science – Chaitra C.
  - **2<sup>nd</sup> Place** – Environmental Science – Riya S.
  - **1<sup>st</sup> Place** – Chemistry – Madeline B.
- 
- A decorative border at the bottom right of the slide consists of a vertical stack of hexagons in various colors: light blue, dark green, light blue, light green, lime green, and light green.



**Congratulations!**



# Chester County Science Research Competition Staff

Kathy Gurnee, Special Events Coordinator, CCIU

Jay Stone, Special Events Coordinator, CCIU

Steve Houdeshel, CCSRC Consultant

Roger Mecouch, CCSRC Consultant

Bob Hranek, CCSRC Advisor

Jennifer Chicosky, Marketing & Community Engagement Manager, CCIU

Beth Edwards, Communications Secretary, CCIU

Christina Hughes-Martin, Communications Secretary, CCIU

Marta Howard, Confidential Secretary, CCIU

Haley Taylor, Communications Specialist, CCIU

Matt Byrnes, Communications Intern, CCIU

Madi Short, Marketing & Admissions Intern, CCIU

Matt Carr and students, TCHS Pennock's Bridge