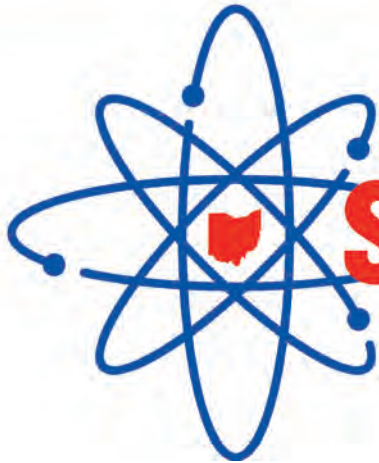


78TH ANNUAL

THE OHIO ACADEMY OF SCIENCE



STATE SCIENCE DAY

2026

HOSTED BY



THE OHIO STATE UNIVERSITY

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Copyediting and design— Alyson Gruber

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WHAT IS STATE SCIENCE DAY



Now in its 78th year and with more than 70,000 alumni, State Science Day is the pinnacle of student originated, inquiry-based science education for Ohio's students. The academic equivalent of a state athletic championship, this year's event is one of the largest of its kind in the nation. Drawing upon a base of over 10,000 students, 692 students in grades 5–12 from 187 schools will be evaluated on their scientific research and communication skills. They will compete for \$300,000 in scholarships and awards.

First held in 1949, the 78th Annual State Science Day appreciates Title Sponsorship from Battelle, ENGIE, The Ohio State University, Ohio Department of Higher Education, Ohio Tuition Trust Authority–College Advantage, and generous support from American Electric Power Foundation, Amgen, Broadcom, CAS, Cenovus, Charles River, Kokosing, OhioEPA–The Ohio Environmental Education Fund. <https://ssd.ohiosci.org/>

CONGRATULATIONS TO ALL EXHIBITORS

The investment of time in pursuing an independent research project in science pays generous returns to each student. By honoring hundreds of projects with nearly \$300,000 in sponsored awards and scholarships, we seek to honor all exhibitors for their hard work. Please accept our sincere congratulations on your outstanding work and our encouragement to continue your interest in scientific research. Thank you for participating in this year's State Science Day.

MICHAEL E. WOYTEK, Executive Director



ABOUT THE SPONSORS

AMERICAN ELECTRIC POWER FOUNDATION

The American Electric Power Foundation is funded by American Electric Power and its utility operating units. The Foundation provides a permanent, ongoing resource for charitable initiatives involving higher dollar values and multi-year commitments in the communities served by AEP and initiatives outside of AEP's 11-state service area. The Foundation focuses on improving lives through education from early childhood through higher education in the areas of science, technology, engineering and math, and by meeting basic needs for emergency shelter, affordable housing and the elimination of hunger. Other foundation support may be offered to protect the environment, support healthcare and safety, and enrich life through art, music and cultural heritage. | aep.com

AMGEN

Amgen harnesses the best of biology and technology to make people's lives easier, fuller, and longer. With roots in the biotech revolution, we are one of the world's leading independent biotech companies - fighting the toughest diseases and helping millions of people globally. Amgen's manufacturing capabilities ensure that we can reliably produce our life-saving products with the goal of reaching every patient, every time. Amgen's new final assembly and packaging facility in Central Ohio will assemble, label, and package autoinjectors, vials, and syringes to support the growing demand for Amgen's medicines. The new facility will be Amgen's most digital advanced facility, leveraging the latest innovations in manufacturing, while still prioritizing sustainability and minimizing environmental impact.

BATTELLE

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio, Battelle serves customers in the national security, health and life sciences, and energy and environmental industries. Battelle also is one of the nation's leading charitable trusts focusing on societal and economic impact, vigorously supporting and promoting science, technology, engineering and mathematics (STEM) education. Battelle believes STEM education is an urgent national priority that requires bold goals, higher standards and greater accountability in our educational system to better prepare our nation's K-12 students for careers in science and technology that ultimately enhance the U.S. innovation enterprise. | battelle.org

BROADCOM FOUNDATION

Broadcom Foundation's mission is to advance STEM education and increase equity and access in STEM education, especially for young women and underrepresented youth. The foundation's sponsored programs create volunteer opportunities for employees and mentors and strengthen social responsibility and global citizenship. A primary goal of the foundation is to encourage youth to learn coding as a skill and universal language of the future that opens opportunities for exciting careers in STEM fields. | broadcomfoundation.org

CAS

CAS, a division of the American Chemical Society (ACS), was founded in 1907. Chemists around the world understood the value to research, in aggregating scientific information. Today we are a global organization of expert scientists, technologists, and business leaders with a long and successful history of harnessing scientific information opportunities. We provide trusted information solutions, including SciFinder®, STN® and custom services; for industry, government and academic institutions. | cas.org

CENOVUS

Cenovus Energy Inc. is an integrated energy company with oil and natural gas production operations in Canada and the Asia Pacific region, and upgrading, refining and marketing operations in Canada and the United States. The company is focused on managing its assets in a safe, innovative and cost-efficient manner, integrating environmental, social and governance considerations into its business plans. cenovus.com

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At Charles River we are passionate about our role in improving the quality of people's lives. Our mission, the excellent science that we perform, and our strong sense of purpose, guides us in all that we do. We approach each day with the knowledge that our research helps to improve the health and well-being of many individuals across the globe. Charles River Laboratories, which started as a one-man research models company, has grown into the world's largest preclinical contract research organization with a network of facilities across North America, Europe and Asia. This includes three laboratories in Ohio; Ashland, Cleveland and Spencerville. The worldwide support network allows us to act as a steadfast partner to our clients, from early molecule discovery to IND submissions. For more than 70 years we have seen technologies advance and new diseases emerge. To address these challenges, Charles River has carefully grown our portfolio of companies so that we can strategically anticipate tomorrow's drug development needs. While we can't predict what the future holds, we continue to kindle the spark that inspired our founding: an urgency to advance human health by supporting our clients' research, every step of the way. | criver.com

Continue on next page

ABOUT THE SPONSORS (CONT.)

DEPARTMENT OF HIGHER EDUCATION

The Ohio Department of Higher Education is a Cabinet-level agency for the Governor of the State of Ohio that oversees higher education for the state. The agency's main responsibilities include authorizing and approving new degree programs, managing state-funded financial aid programs and developing and advocating policies to maximize higher education's contributions to the state and its citizens.

ENGIE - OSEP

Ohio State Energy Partners (OSEP) is a collaboration between ENGIE North America and Axium Infrastructure, formed in 2017 to manage the energy systems at Ohio State University (OSU). OSEP operates the systems that heat, cool, and distribute power to OSU's Columbus campus, ensuring resiliency and reliability. Our responsibilities include overseeing campus electricity, air conditioning, heating, and steam systems, as well as contributing \$150 million towards academic collaboration to support research, innovation, and arts on OSU's campus.

OSEP employs a variety of energy sources and advanced technologies to maintain campus operations. We utilize steam for heating and sterilization, chilled water for cooling, and natural gas for heating and electricity generation. Renewable energy initiatives include geothermal wells and solar panels, enhancing energy efficiency and sustainability. Our Smart Meter program tracks utility usage, promoting energy conservation and supporting analysis of energy trends. At OSEP, we are committed to sustainability and innovation, making OSU a leader in energy management and environmental stewardship by enabling Ohio State to reach its sustainability goals. We make meaningful contributions to a greener future by leveraging science and engineering as well as supporting future generations of scientists on campus and in the community. To learn more, please visit OhioStateEnergyPartners.com.

KOKOSING

Kokosing is one of the largest family-owned construction companies in the Midwest. Kokosing's primary business lines include industrial, transportation, buildings, pipelines, environmental and marine work. Additionally, Kokosing owns construction material supply companies. Known for unwavering integrity and exceptional safety and quality, Kokosing's companies provide extensive resources for its customers. Together with our team members, we invest our time and financial resources in the communities where we live and work. We strive to be socially and environmentally responsible and make a meaningful impact. | kokosing.biz

OEPA - THE OHIO ENVIRONMENTAL EDUCATION FUND

The Ohio Environmental Education Fund (OEEF), which is administered by Ohio EPA's Office of Environmental Education, provides grants for projects that increase awareness and understanding of environmental issues in Ohio. | epa.ohio.gov/oeef

OHIO TUITION TRUST AUTHORITY - COLLEGE ADVANTAGE, OHIO'S 529 COLLEGE SAVINGS PLAN

Recognizing the importance of higher education, Ohio became one of the first states in the country to offer a 529 college savings plan, starting in 1989. CollegeAdvantage, Ohio's 529 Savings Program, encourages families nationwide to start saving for future college costs in a tax-advantaged manner that can build the account. Ohio's 529 plan offers tax-free growth, tax-free withdrawals for qualified higher education expenses, and a deduction in state income taxes for 529 contributions per beneficiary, per year, for residents of Ohio. CollegeAdvantage sponsors two plans, the Direct 529 Plan or Advisor 529 Plan, that provide multiple investment options, including ready-made, age-based or ready-made, risk-based portfolios and FDIC-insured banking options. Contributions can start as low as \$25 and there's no fee to open a Direct 529 account. CollegeAdvantage is Ohio's 529 College Savings Plan, but the account can be used at almost any school that a child dreams to attend. Funds in a 529 plan can be used in state, out of state, or out of country, at any university, college, or technical school that accepts federal financial aid. CollegeAdvantage is consistently highly rated by trusted industry resources such as Morningstar

STUDENT TRIBUTES

Charles Loftis - Our Lady of Perpetual Help School

Charlie - You have worked hard for this moment and we couldn't be more proud! Congratulations! We love you very much! Mimi & Pap

Meera Shah - The Miami Valley School

Congratulations from your Miami Valley School teachers and staff!

Henry Armstrong Krupla - St. Ambrose

*Henry,
Your curiosity, determination, and big ideas brought you all the way to State. We're so proud of you.
Love,
Mom, Dad, Victoria, Gma and Gpa*

Vizcaya Labuda Birchwood School of Hawken

*Dear Vizcaya,
You are so amazing! We are so proud of you! We wish you enjoy the process more than the results.
- Ama & Agong*

Ian Bergquist - Fairland High School

Congratulations, Ian! You have represented Fairland with excellence, qualifying for the State Science Day at OSU. Shout out to Mr. Wooten and Miss Wise for their guidance throughout the process. Good luck at State, Ian!

Montgomery Gibson - McNichoas High School

Montgomery we are so proud of you! Love Mom and Dad

Hannah Bigelow - St. Charles Borromeo

It's no surprise you found that gymnasts have the best balance, we know how hard you work! Your commitment led to many accomplishments in science, and gymnastics, this year. Congratulations! Love, Mom, Dad, and Natalie

Nora Haas - Solon Middle School

*We are extremely proud of you for making it to States, for both State Science Day and Power of The Pen!!
Here's to an amazing weekend!
You got this!!
Love, Mom and Dad*

Gracie Borgelt - Saint Rose School

*Gracie,
We are proud of you, and love you so very much!! Congratulations!
Love,
Mommy, Daddy, and Buckeye*

Penelope Bridges

*Canton Country Day School
Hope your Science Day experience doesn't STINK. Great job, we are so proud and excited for you.
Love Mom, Dad and Eva*

Sofia Royer - DeColores Montessori School Greenville

*Your hard work and dedication show's every day in the work you do. I'm so very proud of you and extremely excited for your future. I love you, baby.
Love, Dad.*

Wilder Daniels - Solid Ground School

*Great job on your project, I am so proud of you!
- Opa*

Kahaan Desai - The Miami Valley School

Congratulations from your Miami Valley School teachers and staff!

Vizcaya Labuda - Birchwood School

CONGRATS on making it to State Science Day! We're SUPER Proud of you and keep up the great work!! Love Uncle Doug and Aunt Heather :-)

Ben Weigand - DeColores Montessori

*We are so proud of your hard work and dedication to Project Seeker!
Congratulations Ben!*

Owen Lombard - Solid Ground School

*Owen - YOU ARE ABSOLUTELY AMAZING. LET'S GOOOOOOOOO
OO
OO
OO
OOOOOOOOOO!*
We love you the max, <3 Mom, Dad, Solly, Molly Jo, Brian, GG

Tate Baker - Holy Trinity Catholic School

*Tate,
We couldn't be more proud to have you as our son! You have worked so hard to make it to State Science Day! Congratulations & God's blessings on you this day!
Love you, Mom & Dad*

Jackson Poznanski - The Miami Valley School

Congratulations from your Miami Valley School teachers and staff!

Dorian Juvina - The Miami Valley School

Congratulations from your Miami Valley School teachers and staff!

Yahya Ince - The Miami Valley School

Congratulations from your Miami Valley School teachers and staff!

Charles Loftis - Our Lady of Perpetual Help School

*We are so proud of our Charlie-boy! He is a prime example of hard work paying off.
Love, Nana & Papaw*

AnnaLee Herder - The Miami Valley School

Congratulations from your Miami Valley School teachers and staff!

Charles Loftis - Our Lady of Perpetual Help School

*Congratulations son - we are extremely proud of your hard work! Philippians 4:13 We love you!
Dad, Mom & Starsky*

Zoe Vickers - East Richland Christian School

We are so proud of your hard work! You are a star! #Blackgirlmagic - Love, Mom, Dad, Silas, Gram, Pap & Grandma

Tianna Zheng - Wheelersburg High School

Tianna, we are so proud of you! Congratulations on making it to State Science Day! - Love Mom & Dad & Brother!

WELCOME

WELCOME

*By John Means, Ph.D
Director, The Ohio Academy of Science Junior Academy Council*

Welcome to the 2026 Ohio Academy of Science State Science Day! We are delighted to have students, families, and educators from across Ohio come together to celebrate scientific inquiry, innovation, and achievement.

We extend our sincere appreciation to the parents and teachers whose encouragement, guidance, and dedication have supported these students throughout their journeys. Your role in fostering curiosity and perseverance has been invaluable. We also gratefully acknowledge The Ohio Academy of Science staff, our generous event sponsors, and our host institution, The Ohio State University. Their collective commitment, support, and partnership make State Science Day—and the entire Science Day program—possible each year.

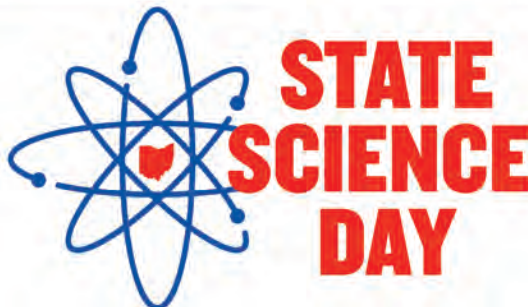
Most importantly, we congratulate the students. Your hard work, creativity, and commitment to scientific exploration have earned you a place at this prestigious event. You should be proud of your accomplishments and the effort you have invested in your projects.

On behalf of the Ohio Academy of Science Board of Trustees and the Junior Academy Council, congratulations, and best wishes for a rewardi



John A. Means Ph.D.

THE OHIO ACADEMY
OF SCIENCE



STUDENT TRIBUTES

Joshua Leis - DeColores Montessori

*Congrats Joshua on making it to state science fair!
Love, Mom, Dad and Zachary*

Vizcaya Labuda - Birchwood School of Hawken

*Congratulations and Good Luck! You make us proud!
Love,
Grandma and Grandpa*

Haddon Ingram - Bloom Carroll Middle School

*Congratulations Haddon! We're so proud of you and all of your hard work!
Love, Mom & Dad*

Srishti Salian - Solon Middle School

*We are so proud of you. Keep up the good work sweetie pie. Congratulations for your project's entry to the State Science Day! Hip hip hooray!!
Love you,
Mom & Dad*

Haley Williams - Global Impact Stem Academy

I'm so proud of you! Love Mamaw

Madan Chiang - Larson Middle School

Congratulations, Madan! Your curiosity, persistence, and creativity led to something special. We are so proud of you. - Mom, Dad, Nayan

Lilly Shouse - St. Columban

*We are so proud of you for making it to state. Remember science is magic that works.
Love Mom & Dad*

Rayne Ellis - Northwestern Elementary School

Congratulations, Rayne! We are so proud of the hard work and creativity you have put into your science fair project to make it to State. We love you! - Mom & Dad

Asher Klotz - East Richland Christian Schools

*Asher,
We are so proud of you and your many accomplishments. We have enjoyed watching you combine your love of fishing with your science fair project. Keep fishing and learning.
Love, Mom and Dad*

Audrey Molnar - Archbishop Carroll High School

Congratulations on making it to state science day! We are so proud of you and your hard work! Love, Mom and Dad

Kendall Wild - Bloom Carroll High School

Congratulations on your success with science fair! We are so proud of you and your research. - Love Mom, Dad, and Kristen

Vizcaya Labuda - Birchwood School of Hawken

*You did it!
So proud of you for making it to State Science Day! Good luck and have fun!
Love,
Pammycakes, Jake, Syd, Alex and Emily*

Thomas Joseph See - Incarnation School

*We are so proud of you TJ! Congratulations on making it to State Science Day! We love you!
-Dad, Mom, Cassie*

Benjamin Bartyzel - Saint Ignatius

Ben, Congratulations on making it to State Science Day! We are very proud of you! Love Grandma and Grandpa

Neil Gera - William Mason High School

*ad astra per aspera!
Your driven initiative in artificial intelligence led you here, and your continued perseverance and curiosity will be the engine of your future success!
Congratulations and all our love,
Kaushy, Mom, Dad*

Jackson Gray - Miami East Junior High

*Jackson,
What an incredible accomplishment to make it to state science fair! You continue to show everyone that curiosity and hard work can take you anywhere! Keep being you!
We love you,
Mom and Dad*

Leo Rayfield - St. Patrick of Heatherdowns

Congratulations, Leo! We are so proud of your hard work and accomplishments. Love, Mom, Dad, and Zoey

Caleb Gooch - East Richland Christian

*Congratulations Caleb Gooch!
Proud of you always!
Love, Dad and Mom
Isaiah 35:6a
Then shall the lame man leap like a deer, and the tongue of the mute sing for joy.*

Nora Butler - Solid Ground School

Nora, we are proud of your interest in science. We love your curiosity in seeking knowledge and understanding about the world around you and your ingenuity for considering how to solve problems. Love, Meme & Grr

Benjamin Bartyzel - Saint Ignatius High School

Congratulations, Ben, on your journey in science research and earning the opportunity to compete at Ohio State Science Day four years in a row! Your curiosity and dedication inspire us daily. Love Mom and Dad.

Aodhán Smyth - St. Francis Xavier School

*Congratulations on making it to State Science Day, we are so proud of you!
- Mom, Dad & Conall*

Jackson Moore - Bloom-Carroll High School

We are so proud of you—your dedication inspires us. Dream big and keep reaching for the stars - With love from all of us!

REGIONAL SCIENCE DAY MAP

2026 Regional Science Days

<https://ssd.ohiosci.org/rsd/>



Host Location - Color

Ashland University - Purple
Belmont College – Light Blue
Columbus State CC – Bright Red
Edison State CC – Light Purple
Kent State University - Pink
Miami Valley CTC – Blue

Host Location - Color

Ohio Northern University - Yellow
Ohio University – Dark Green
University of Cincinnati – Light Green
University of Rio Grande – Orange
University of Toledo – Light Red

Regional Science Days

Participants for the 2025 Regional Science Day will register via [ProjectBoard](#). Each of the Fairs will be held in-person. Be sure to visit your Region's Science Day website for event schedule and additional information that may apply for the event. A virtual Regional Science Day will be held as "Virtual Regional Science Day".

To begin a project or to prepare to submit a project for the 2025 District Science Day students must **create or re-activate** last year's account in [ProjectBoard](#) by **February 4, 2026**. They will need a class code from their participating classroom teacher. If they are an independent student not connected to a classroom educator or afterschool facilitator, please contact the Ohio Academy of Science for your code at: info@ohiosci.org

<https://projectboard.world/oas>

The submission deadline to have all required information in [ProjectBoard](#) for the Regional Science Day is **March 3, 2026**.

REGIONAL SCIENCE DAY MAP (CONT.)

<p style="text-align: center;">The 2026 Regional Science Day submission fee is \$30.00 per student*</p> <p style="text-align: center;">Submission fees can be paid by credit card here: https://form.jotform.com/OhioScience/rsd-payment-form</p> <p>Schools wishing to pay for their students must contact the Regional Science Director before the March 3, 2026, deadline to confirm the school is paying the student submission fee. The school will need to provide a list of students.</p> <p style="text-align: center;">Submissions are NOT complete until payment is confirmed.</p>		
Location and Date	Contact and Website	Type of Presentation @ RSD
Ashland University March 21, 2026	Dr. Jeffrey Weidenhamer jweiden@ashland.edu https://www.ashland.edu/cas/mohican-district-science-day	a trifold, a poster, or laptop at their table space
Belmont College March 21, 2026	Chris Clantz cclantz@belmontcollege.edu https://www.ohiosci.org/belmont-college	trifold or laptop at their table space
Columbus State Community College March 21, 2026	Dr. Matthew Saelzer mraelzle@cscc.edu https://www.ohiosci.org/columbus-state	trifold or laptop at their table space
Edison State Community College March 14, 2026	Dr. Martin E. English info@ohioumvsd.com https://www.ohioumvsd.com/	a trifold, or a poster (laptop space by request)
Kent State University March 21, 2026	Ann Gosky agosky@kent.edu https://www.ohiosci.org/kent-state	a trifold or a poster
Miami Valley CTC March 14, 2026	Charles Brads cbrads@mvctc.com https://www.ohiosci.org/miami-valley-CTC	trifolds only
Ohio Northern University March 21, 2026	Dr. Jamie Siders j-siders@onu.edu https://www.ohiosci.org/ohio-northern/	a trifold or a poster
Ohio University March 21, 2026	Dr. Natalie Kruse krusen@ohio.edu https://www.ohiosci.org/ohio-university	trifolds only
University of Cincinnati March 14, 2026	Dr Ted Fowler ucscifar@ucmail.uc.edu https://cech.uc.edu/about/southwest-ohio-science-fair.html	trifolds only
University of Toledo March 14, 2026	Rita Yunker NSM@utoledo.edu https://www.ohiosci.org/university-toledo	Trifolds only
University of Rio Grande March 28, 2026	Dr. John Means jmeans@rio.edu https://www.rio.edu/science-day	a trifold, a poster, or laptop at their table space
Virtual Regional Science Day March 28, 2026	Info@ohiosci.org https://ssd.ohiosci.org/regional-science-days/	Video & digital slideshow

Students in Adams, Ashtabula, Athens, Belmont, Brown, Butler, Carroll, Champaign, Clermont, Clinton, Columbiana, Coshocton, Darke, Fayette, Gallia, Guernsey, Hamilton, Harrison, Highland, Hocking, Holmes, Jackson, Jefferson, Lawrence, Mahoning, Meigs, Miami, Monroe, Morgan, Muskingum, Noble, Perry, Pike, Ross, Scioto, Shelby, Trumbull, Tuscarawas, Vinton, Warren, or Washington counties submission fees are covered by grants from the **Voinovich School of Leadership and Public Service at Ohio University, the University of Cincinnati, and Upper Miami Valley STEM Education.**

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The Ohio Academy of Science
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Dublin, OH 43016
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E-mail: mwoytek@ohiosci.org
Website: ohiosci.org



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2026 OFFICIALS



The Ohio Academy of Science

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info@ohiosci.org • <https://www.ohiosci.org>

*Fostering curiosity, discovery and
innovation to benefit society.*

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As a premier institution in STEM, our renowned programs empower students through remarkable opportunities:

- UA's engineering program places students with industry leaders such as SpaceX and Goodyear.
- Student design teams compete in professional engineering competitions across the nation (and world).
- UA's mechanical engineering program boasts the nation's only NSF Tire Research Center.

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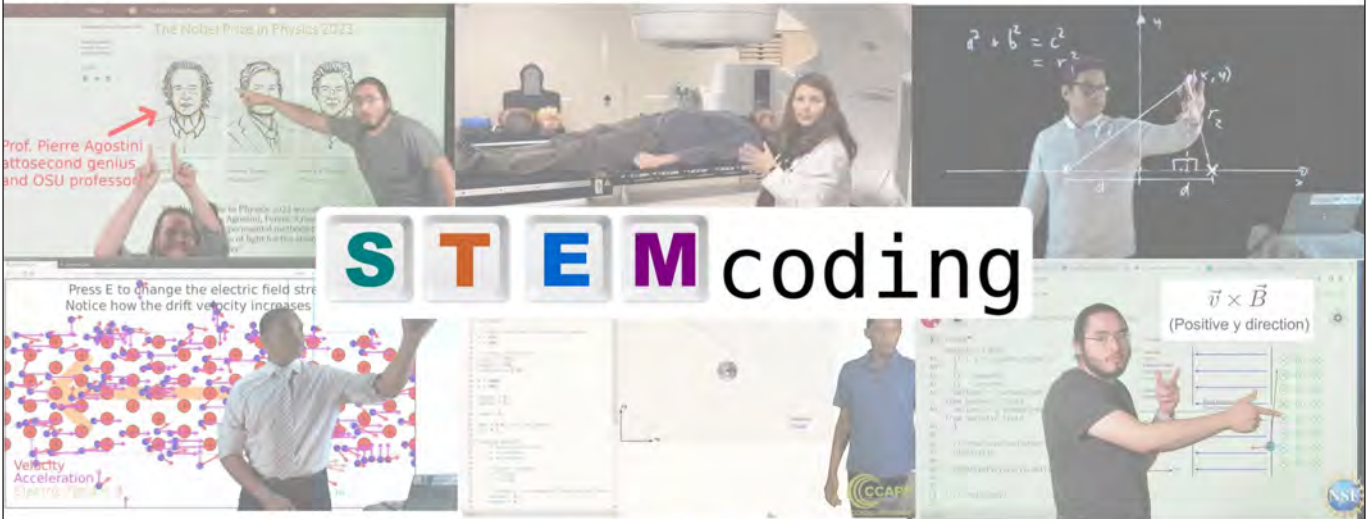


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Pop Quiz: What is the best STEM youtube channel recorded in Central Ohio?

Answer:



STEMcoding



Students & Parents!



@STEMcoding



Teachers!



THE OHIO STATE UNIVERSITY
MARION

2026 MULTI-YEAR STUDENTS

CONGRATULATIONS TO OUR 2026 MULTI-YEAR STUDENTS

Each year, the Academy recognizes the students who achieve State Science Day attendance for four years or more. Congratulations to these students as this is an incredibly difficult honor to achieve. Student names are listed alphabetically followed by grade level.

8-Year Awardee

Winnie Bodin, 12
Allison Payton, 12

7-Year Awardee

Aviraj Soin, 11
Robert Whittington, 12

6-Year Awardee

Aubrey Ernst, 10
Dhilen Soin, 10

5-Year Awardee

Lucas D'Cruz, 10
Anna Helber, 9
Prem Koshal, 12
Autumn Vick, 9
Kendall Wild, 10

4-Year Awardee

Benjamin Bartyzel, 11
Vedant Chhabra, 11
Elizabeth Frantz, 11
Charles Gooch, 9
Jackson Gray, 8

4-Year Awardee Cont.

Kara Hale, 11
Ayat Jaffar, 11 Japneet Kaur, 9
Sullivan Meneghetti, 10
Emma Michael, 11
Samhita Paranthaman, 10
Keeran Patel, 11
Ananya Pise, 11
Dhruv Prasanna, 9
Rithvan Senthil, 9



2025 8 Year awardees Sadhil Mehta & Dana Stan with Executive Director Michael Woytek & Past-President Dr. Martin English

2025 STATE SCIENCE DAY AWARDS

2025 DR. LYNN E. ELFNER YOUNG SCIENTIST AWARDEES

The 2025 Dr. Lynn E. Elfner Young Scientist awardees selected for outstanding projects in grades 5 to 8. All received a superior award. Student names are listed alphabetically.

Annia Ameer
Kathryn Boyden
Nora Butler
Benjamin Cormier
Grant Curtis
Aaron Deng
Sai Saharsh Gudikandula
Elijah Herold
Evelyn Herzog
Norah House

Shriya Iyer
Luke Kiene
Abigail McGann
Theodore Nunemaker
Julia Ridgway
Oliver Roper
Alex Spohler
Cameron Stanley
Kai Stiltner
Joyce Wu

THE 2025 GOVERNOR'S THOMAS EDISON AWARDS FOR EXCELLENCE IN STEM EDUCATION AND STUDENT RESEARCH

Akron Early College, Akron
Anderson High School, Cincinnati
Archbishop Alter High School, Kettering
Archbishop Carroll High School, Dayton
Barber CLC, Akron
Bellbrook Middle School, Bellbrook
Betty Jane CLC, Akron
Big Walnut Intermediate School, Sunbury
Bishop Flaget School, Chillicothe
Bishop Leibold School, Dayton
Buchtel CLC 6-12 campus, Akron
Case CLC, Akron
Chardon Middle School, Chardon
Chillicothe Intermediate School, Chillicothe
Crouse CLC, Akron
David Hill CLC, Akron
Dayton Regional STEM School, Kettering
East CLC 6-12 campus, Akron
East Richland Christian School, St. Clairsville
Ellet CLC 9-12, Akron
Findley CLC, Akron
Firestone CLC 9-12, Akron
Forest Hill CLC, Akron
Garfield CLC, Akron

Glover CLC, Akron
Harris-Jackson CLC, Akron
Hatton CLC, Akron
Helen Arnold CLC, Akron
Hilltop High School, West Unity
Holy Angels School, Sidney
Holy Trinity School, Avon
Hyre CLC, Akron
I Promise School, Akron
Incarnate Word Academy, Parma Heights
Innes CLC, Akron
Jennings CLC, Akron
King CLC, Akron
Leggett CLC, Akron
Lehman Catholic, Sidney
Litchfield CLC, Akron
Mason CLC, Akron
McEbright CLC, Akron
Miami Valley Career Technology Center, Englewood
Miller South School VPA, Akron
National Inventors Hall of Fame STEM School, Akron
NIHF STEM High School at Robinson CLC, Akron
North High School, Akron
Ottawa Hills Junior/Senior High School, Toledo
Pfeiffer Elementary, Akron
Portage Path CLC, Akron

Put-in-Bay Schools, Put-in-Bay
Resnik CLC, Akron
Ridgewood School, Springfield
Rimer CLC, Akron
Ritzman CLC, Akron
Sam Salem CLC, Akron
Schumacher CLC, Akron
Seiberling CLC, Akron
St Albert the Great School, North Royalton
St Ambrose Catholic School, Brunswick
St Charles Borromeo, Kettering
St Francis Xavier School, Medina
St Mary Chardon, Chardon
St Mary School Elyria, Elyria
St Mary School Lancaster, Lancaster
St Paul School, Salem
St Raphael School, Bay Village
St Rose School, Perrysburg
St Sebastian Parish School, Akron
St Vincent de Paul School, Mt Vernon
Unio Elementary School, Chillicothe
University School, Hunting Valley
Voris CLC, Akron
Windemere CLC, Akron
Zane Trace Hig+A2:B76h School, Chillicothe

2025 STATE SCIENCE DAY AWARDS (CONT.)



THOMAS EDISON AWARDS

SPONSORED BY:  Department of Development



THE 2025 GOVERNOR'S THOMAS EDISON AWARDS FOR EXCELLENCE IN...

Biotechnology & Biomedical Technologies

Grades 10-12

- 1st place – Adharsh Narendrakumar, Solon
- 2nd place – Molly Chhabra, Mason
- 3rd place – Omar Elbadawy, Avon

Grades 7-9

- 1st place– Anuki Mudalige, Lewis Center
- 2nd place– Venkata Likhith Tanishq Chilakala, Morrow
- 3rd place – Samipa Patel, Solon

Advanced Materials

Grades 10-12

- 1st place – Srividya Bade Vinod, Cincinnati
- 2nd place – Dana Stan, New Albany
- 3rd place – Vedant Chhabra, Mason

Grades 7-9

- 1st place – Sullivan Meneghetti, Bay Village
- 2nd place – Kendall Wild, Canal Winchester
- 3rd place – Nathan Keltos, Kettering

Information Science & Technology Research

Grades 10-12

- 1st place – Chinmay Khare, Ottawa Hills
- 2nd place – Evan Dan, Solon
- 3rd place – Laasya Acharya, Mason

Grades 7-9

- 1st place – Magdalene Stewart, Lancaster
- 2nd place – Shanmukha Pothula, Mason
- 3rd place – Nikita Kakade, Beavercreek

Advanced or Alternative Energy

Grades 10-12

- 1st place – Shiv Patel, Siya Patel, and Sur Patel, Batavia
- 2nd place – Kyla Fallis, Lima
- 3rd place – Ayat Jaffar, Avon

Grades 7-9

- 1st place – Adrian McKenzie & Vatsal Varshney, Dayton
- 2nd place – Luke Kiene, Saint Clairsville
- 3rd place – Mannat Thumati, Solon



2025 OTTA Awardees with OAS Executive Director Michael Woytek and OTTA Executive Director Trisha Good.

2025 STATE SCIENCE DAY AWARDS (CONT.)

2025 HAROLD C. SHAW MEMORIAL OUTSTANDING SCHOOL AWARD



A most-challenging prize, the celebrated Harold C. Shaw award is based on a rigorous group score of all participants from a school. The late Mr. Shaw (1915-1993) was a high school science teacher and long-time OAS Junior Academy Council member. Above, students and teacher Angelica Hicks from Horizen Science Academy Columbus accept the trophy on behalf of their school.

2025 Harold C. Shaw Awardees

Athens Middle School, Athens
Birchwood School of Hawken, Cuyahoga
Columbia High School, Lorain
Dayton Regional STEM School, Montgomery
East Richland Christian Schools, Belmont
Hawken School, Geauga
Hilltop High School, Williams
Horizon Science Academy Columbus, Franklin
Mentor High School, Lake
New Albany Intermediate School, Franklin

Ottawa Hills High School, Lucas
Solon High School, Cuyahoga
Solon Middle School, Cuyahoga
St Charles Borromeo, Montgomery
Sylvania Northview High School, Lucas
The University School, Cuyahoga
Tri-Village High School, Darke
Upper Arlington High School, Franklin
William Mason High School, Warren

THE OHIO TUITION TRUST AUTHORITY 2025 COLLEGE ADVANTAGE 529 PLAN AWARD

Kathryn Boyden, Grove City
Benjamin Cormier, Loveland
Grant Curtis, West Salem
Elijah Herold, Cincinnati
Evelyn Herzog, Cincinnati
Luke Kiene, Saint Clairsville
Maximilian Leshner, Tipp City
Abigail McGann, Sunbury

Theodore Nunemaker, Athens
Olivia Phillips, Tipp City
Julia Ridgway, Cincinnati
Kai Stiltner, Maineville
Luke Szijarto, Polk
Joyce Wu, New Albany



529

CollegeAdvantage

SCHOLARSHIPS AND SPONSORED AWARDS

American Chemical Society Columbus Section - Chemical Sciences Award - 134
SPONSOR: AMERICAN CHEMICAL SOCIETY, COLUMBUS SECTION

Animal Science/Veterinary Medicine Award - 256
SPONSOR: MARTIN E. ENGLISH, DVM

Association of Ohio Pedologists Soil Science Award - 262
SPONSOR: ASSOCIATION OF OHIO PEDOLOGISTS

Behavioral Science Award - 028
SPONSOR: OHIO PSYCHOLOGICAL ASSOCIATION; REGIONAL PSYCHOLOGICAL ASSOCIATIONS

Broadcom Coding with Commitment - 265
SPONSOR: BROADCOM FOUNDATION

Citadel Securities Innovation Prize - 271
SPONSOR: SOCIETY FOR SCIENCE & THE PUBLIC

Dick Goddard Honorary Young Atmospheric Scientist Award - 070
SPONSOR: AMERICAN METEOROLOGICAL SOCIETY; ERIC WERTZ; NORTHEAST OHIO AMS

DoD STEM Leadership Award - 261
SPONSOR: SOCIETY FOR SCIENCE & THE PUBLIC

Dr. Lynn E. Elfner Young Scientist Award - 246
SPONSOR: THE OHIO ACADEMY OF SCIENCE

Engineering Achievement Award - 059
SPONSOR: ENGINEERS FOUNDATION OF OHIO

EWI Award - 058
SPONSOR: EWI

Excellence Award for Civil Engineering Projects - 061
SPONSOR: AMERICAN SOCIETY OF CIVIL ENGINEERS, CENTRAL OHIO SECTION & OHIO COUNCIL

Food Science and Engineering Award - 031
SPONSOR: NESTLE PRODUCT TECHNOLOGY CENTER, MARYSVILLE

Future Physician - Scientist Award - 148
SPONSOR: THE OHIO STATE UNIVERSITY, COLLEGE OF MEDICINE AND PUBLIC HEALTH AND OSU HEALTH SYSTEMS

Gordon J. Aubrecht Award for Outstanding Physics Projects - 067
SPONSOR: THE AMERICAN PHYSICS SOCIETY - EASTERN GREAT LAKES SECTION & SOUTHERN OHIO SECTION OF THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS

Governor's Award for Excellence in Environmental Protection Research - 080
SPONSOR: OHIO ENVIRONMENTAL EDUCATION FUND

Governor's Thomas Edison Award for Advanced Materials - 106
SPONSOR: OHIO DEVELOPMENT SERVICES AGENCY

Governor's Thomas Edison Award for Advanced or Alternative Energy Scholarship - 217
SPONSOR: OHIO DEVELOPMENT SERVICES AGENCY

Governor's Thomas Edison Award for Excellence in Biotechnology & Biomedical Technologies - 033
SPONSOR: OHIO DEVELOPMENT SERVICES AGENCY

Governor's Thomas Edison Award for Excellence in Information Science & Technology Research - 147
SPONSOR: OHIO DEVELOPMENT SERVICES AGENCY

Green Energy Ohio Student Achievement Award in Advanced or Alternative Energy - 260
SPONSOR: GREEN ENERGY OHIO

James (Jim) B Short Memorial Award - 270
SPONSOR: THE OHIO ACADEMY OF SCIENCE

Milt Austin Aquatic Science Award - 030
SPONSOR: OHIO CHAPTER OF THE AMERICAN FISHERIES SOCIETY

Ohio Environmental Health Association Award - 087
SPONSOR: OHIO ENVIRONMENTAL HEALTH ASSOCIATION

Ohio Natural Energy Foundation Award - 139
SPONSOR: OHIO NATURAL ENERGY INSTITUTE

Ohio Northern University State Science Day Scholarship - 244
SPONSOR: OHIO NORTHERN UNIVERSITY

Osmon Ramsey Environmental & Natural Science Award - 258
SPONSOR: THE OHIO ACADEMY OF SCIENCE

Osteopathic Medical Award - 145
SPONSOR: OHIO OSTEOPATHIC ASSOCIATION

OTTA \$1,000 Scholarship - 239
SPONSOR: OHIO TUITION TRUST AUTHORITY

Outstanding Project in Plant Pathology - 182
SPONSOR: THE OHIO STATE UNIVERSITY DEPARTMENT OF PLANT PATHOLOGY

Peter G. Finke Water Management Award - 091
SPONSOR: WATER MANAGEMENT ASSOCIATION OF OHIO

Plant Pathology Scholarship at The Ohio State University - 157
SPONSOR: THE OHIO STATE UNIVERSITY DEPARTMENT OF PLANT PATHOLOGY

Science of Food - 169
SPONSOR: THE OHIO STATE UNIVERSITY DEPARTMENT OF FOOD SCIENCE & TECHNOLOGY

Society of Petroleum Engineers Award - 108
SPONSOR: SOCIETY OF PETROLEUM ENGINEERS, OHIO SECTION

Statistical Analysis Award - 023
SPONSOR: AMERICAN STATISTICAL ASSOCIATION, COLUMBUS CHAPTER

Stone Laboratory Scholarship - 019
SPONSOR: THE FRIENDS OF STONE LABORATORY, THE OHIO STATE UNIVERSITY

The Lemelson Early Inventor Prize - 254
SPONSOR: THE LEMELSON FOUNDATION VIA SOCIETY FOR SCIENCE & THE PUBLIC

The Ohio State University College of Engineering Scholarship - 218
SPONSOR: THE OHIO STATE UNIVERSITY COLLEGE OF ENGINEERING

Thermo Fisher Scientific Junior Innovators Challenge - 250
SPONSOR: SOCIETY FOR SCIENCE & THE PUBLIC

Veterinary Medicine Award - 050
SPONSOR: OHIO VETERINARY MEDICAL ASSOCIATION

Thank You Award Sponsors and Judges!



Awardess of the Excellence Award for Civil Engineering Projects pose with Executive Director Michael Woytek & Award Chair Peter Narsavage.

Gregory McMillen - Jackson Memorial Middle School

Congratulations! Your ability to think critically and solve problems makes you a true scientist. Keep exploring, questioning, and dreaming big.

Love,

Mom, Grandma and Andrew

Victoria Cushler - Academy of Saint Bartholomew

Victoria, we're so proud of you for reaching State Science Day—what an incredible accomplishment!

All our love, Mom & Dad

Sydney Curtiss - Northview High School

Congratulations on making it to State Science Day, we are so proud of you!

Love, Mom and Dad

Jaxon Dew - John F Kennedy

Amazing job, Jax! Making it to State Science Day is an incredible accomplishment! Keep challenging yourself and stay curious. I am so proud of you!

Love, Mom

Nora Butler - Solid Ground School

Nora, I am very proud of all your hard work to reach State Science Day!

Love Gram

Vizcaya Labuda - Birchwood School of Hawken

CONGRATULATIONS ON YOUR ACHIEVEMENT!

WE ARE SO PROUD OF YOU.

- LOVE MOM & DAD

Anthony Cann - John F. Kennedy Catholic School

Congratulations on making it to State Science Day!! We are so proud of you!!! Love, Mom, Landon, Grandma, PaPa, Uncle J, and Alex

Tate Baker - Holy Trinity School

Congratulations on reaching your goal to present at the state level! Keep loving science!

- Mrs. Bowen

Jash Patel - The CinDay Academy

Your passion for animals & the environment are a special gift. Your 3rd year qualifying at the state level! I am so proud of you and your passionate ability to see the beauty in nature.

Charles Gooch - East Richland Christian School

Congratulations Charles Gooch!

Proud of you always!

Love, Mom and Dad

Matt. 5:16 Let your light shine before others, that they may see your good deeds and glorify your Father in heaven.

Keeran Patel - Springboro High School

We are so proud of all your hardwork! We see how valuable your contributions are and your passion for physics. Qualifying for State Science Day 4 years in a row reflects your dedication & tremendous talent.



THOMAS EDISON AWARDS



Governor's Thomas Edison Awards for Excellence in STEM Education

About the Governor's Awards

First established in 1985, under Gov. Celeste's Administration, The Governor's Thomas Edison Awards for Excellence in Student Research and STEM Education are presented to Ohio students, schools, and teachers who extend STEM education beyond traditional classroom activities. Award certificates are presented to each school and a press release recognizes each of the school's STEM teachers for this high achievement.

School and Teacher Awards

The Governor's Thomas Edison Excellence of STEM Education recognizes teachers and schools that focus on STEM education and provide additional opportunities for youth science beyond the classroom.

Criteria for School and Teacher Awards

1. Conduct a local science fair with 12 or more students and have two or more of these students participate at the 2026 Regional Science Day -**OR**- have 6 or more students participate at the 2026 Regional Science Day.

2. Students must participate in at least one more youth science opportunity beyond the classroom: State Science Day, Ohio STEP, ISEF Affiliated Regional Science and Engineering Fairs, Regeneron Science Talent Search, Regeneron International Science & Engineering Fair, MATHCOUNTS, JSHS, B-WISER Camp, Engineer-for-a-Day Program, TSA:TEAMS, OM, Physics Olympics, Science Olympiad, Invention League, or other structured, STEM-related youth activities at museums and nature centers, extensive field experiences, and mentorships at colleges and industries.

3. Documentation: The principal must write and personally sign a cover letter on school letterhead that lists the teacher or members of the teaching team most responsible for participation in the student activities.

The cover letter from the principal, a two-page summary and DOCUMENTATION should not exceed 20 pages. Complete application packages must be uploaded in PDF format by July 21, 2026.

- Provide a maximum two-page summary description with attached documentation as to how and to what extent the school's program(s) meet(s) the Academy's definition of STEM education. The summary needs to present a compelling case for your application. See [What is STEM Education?](#)
- Include a table or matrix that identifies and affirms the specific roles or contributions of each teacher nominated.
- Due to the page limitation, it is not necessary to include copies of certificates earned by students. Instead, use this space to summarize what students have accomplished, show examples of how the school provides continuity between grades and schools, discuss the number of students your programs reach, how your programs meet the curriculum standards, etc. You are encouraged to provide links to news stories that reviewers could also view.

The entire application should not exceed 20 pages. Each submission must include (1) a cover letter (2) two-page summary, (3) documentation. Complete application packages must be uploaded in a single PDF format by July 21, 2026.

<https://form.jotform.com/OhioScience/edison-award>

Letter to a Young Scientist

Of Scuds, a Meadowlark and Baby Mice: Recollections of a career in science

Do not accept mediocrity from anyone, especially yourself.

By Dr. Lynn E. Elfner

On September 30, 2015, Lynn Elfner retired from The Ohio Academy of Science after more than 40 years of service. During his tenure with the Academy, many people in Ohio benefited from numerous initiatives he implemented including an Environmental Science Scholarship program, expansion of State Science Day, and Believe in Ohio. For decades Lynn was the voice of the Academy and he worked tirelessly to promote science in his collaborations with state agencies, businesses, educators, and legislators in the state. His dedication to the mission of the Academy has made a lasting impact in Ohio. The Editors invited Lynn to share his thoughts about his career so that others could understand his motivation for everything that he has done for science in Ohio.

Early life experiences get under your skin in a most powerful way. That, verbatim, is the succinct statement of the findings of the National Academies of Science by contemporary author and Harvard professor Robert D. Putnam, a Port Clinton, Ohio native. It certainly fits my career in science. Experiences by the age of 5 on a farm next to the Great Miami River near De Graff, Ohio molded my interests and character.

I was fascinated by scuds—not the missiles or clouds—but the small side-swimming, translucent crustaceans in our spring. I dissected a Meadowlark that had succumbed to a hay mower and had my first social experience with a member of the opposite sex by offering a girl about my age a handful of nude, baby mice I rescued when my dad was shoveling corn to take

to the elevator for grinding. The young girl's father was not impressed so that relationship ended abruptly.

Our farmhouse was on a gravel ridge, likely a glacial outwash terrace, and our front yard was in the flood plain of the Great Miami River. Here I remember my dad showing me how to drop small stones down crayfish chimneys and hear them hit the water.

I gleaned a minimal knowledge of vertebrate anatomy from a correspondence course entitled *Lessons in Taxidermy* by J. W. Elwood. Further influencing my interest in animals was Mr. Kenneth Wilburn, my Greeneview High School biology teacher who had all his students collect their own specimens for study.

My mother often read to me and took me to libraries. Two zoology-related books stand out. One described the many uses of reindeer in Lapland. Another, on falconry, was entitled *The Golden Hawks of Genghis Khan*.

With these and other biological experiences on the farm and later it should be no surprise that I was a 1967 graduate with a zoology major from the College of Agriculture at The Ohio State University.

As a youth, plants fascinated me too. In particular, I remember encounters with stinging nettles near the river. I remember the heady aroma of the fermented corn silage we fed our Jersey cows. We always gathered walnuts, hickory nuts, red haws, mushrooms, hickory jacks, black raspberries and elderberries. I have vivid memories of playing “jungle” under the canopy of a large stand of Pawpaw trees on the back 40.

Biology was not my only interest. On the farm, I came in close contact with the soil and with the va-

LETTER TO A YOUNG SCIENTIST (CONT.)

riety of stones in our gravel pit. I loved to find pieces of Pyrite or Fool's gold and limonite, a rusty-brown, soft chalk-like stone that I marked easily on our back stoop. Mr. Wilburn was influential, again, later in my career. In addition to biology, chemistry and physics, he taught one of the first high school earth science classes in Ohio that I thoroughly enjoyed.

Mechanical devices were available to me too on the farm. A hydraulic ram pumped water from the spring, the pulsator on the milking machine needed constant care and the hay hook attached by rope to pulleys to increase the mechanical advantage lifted the loose hay from a wagon into the haymow.

Several additional factors affected my career choice in science, but one stands out: 4-H.

I joined the Greeneview 4-H Conservation Club in the 6th grade and participated throughout high school. Our advisor, the late Fred E. Morr, then Greene County Auditor, later became Director of the Ohio Department of Natural Resources under Governor James A. Rhodes. More than any other organization, 4-H helped to develop personal and group interrelation skills, meeting management skills, and communication skills as well as content knowledge. I took a variety of projects including all of the soil and land use related ones. My indebtedness to 4-H is symbolized by a "Greene" 4-H vanity license plate named for Greene County.

Vocational agriculture and specifically FFA had a very positive effect on my career. Under the influence of our farmer-teacher, the late Carl Pickering, I was a member of a freshman team that received first place in a multi-county FFA land judging contest near Xenia. Not only did this event require specific knowledge of soils, but also as importantly, we needed to match our wits, as a team, against professional soil scientists.

The Ohio Academy of Science influenced me in high school when I earned the honor of exhibiting my fossil project at the District Science Day at Central State University. I did not make it to State Science Day. The lesson learned here was that although I could classify the fossils that I collected at the spillway of Cowan Lake near Wilmington, that project was not science. There was no question, no hypothesis, no method or data and certainly no conclusion. Now I get what science is.

Libraries and books profoundly affected my career. These stand out: The first edition of *Ohio Fossils* by Aurele La Rocque and Mildred Fisher Marple; *Ohio Trees* by F. E. Dean and L.C. Chadwick; *Field Book of Ponds and Streams* by Ann Haven Mor-

gan; and *The Fishes of Ohio* by Milton B. Troutman.

On the physical science side, one book especially has a lock on my memory: *The Boy Builder* published in 1933 by Edwin T. Hamilton. This book and subsequent kits for sale in *Popular Mechanics* magazine were forerunners of "Bob the Builder" series for children today.

My knowledge and experience in applied physical science expanded sharply when we sold the farm in 1950 and moved from De Graff to the Jamestown for my dad to become part's manager for an International Harvester farm store. For many years I encountered numerous mechanical devices. I remember specific items like pitman rods, Woodruff keys and "V" belts. Often my dad would bring home discarded parts for me to disassemble. Little did I know then that disassembly is the first step in reverse engineering. My biggest surprise was an electrical shock from a magneto off an old Farmall tractor. On my 12th birthday, my father gave me a Taylor Weather Station kit that required a great deal more than "some assembly required." There were no batteries; just the basics that included a sling psychrometer and a nomograph to calculate relative humidity, a barometer, a wind speed and direction indicator, a rain gauge and others. Most importantly, however, the kit contained a notebook that instilled the habit of collecting data. That habit served me well in my own research.

Two years of Latin under the late Ms. Lilian Paulin at Greeneview High School not only helped with scientific nomenclature but also with English writing.

My first professional appointment was as a conservation teacher at 4-H Camp Palmer in Fulton County where I worked every summer during college from 1963-1967, touching the lives of about 5,000 students. Those experiences were parlayed into a 3 year stint as a middle school science teacher at Mount Orab where my star student went on to receive a PhD in geology and chaired the board of Ohio Nature Conservancy, attributing his interest in nature to middle school field trips we took to Adams County prairies and streams.

Following teaching, I received a Master's degree in botany (1971) from The Ohio State University under Dr. Ronald L. Stuckey where my thesis depended on knowledge of climatology, plants, soils and glacial and Pleistocene geology. A graduate level course in the latter subjects by the late Dr. Richard P. Goldthwait, founder of the Byrd Polar Research Center at Ohio State, greatly aided my research.

As Executive Director of The Ohio Environmen-

LETTER TO A YOUNG SCIENTIST (CONT.)

tal Council, I helped to prevent the construction of un-needed dams and channelization of streams, and helped to save Cedar Bog. The most lasting contribution was in 1972 to establish Rivers Unlimited, now the Nation's oldest river preservation group.

During my term as a budget analyst in the Ohio Office of Budget and Management, I oversaw the budgets of the Ohio EPA, Ohio Department of Natural Resources, Ohio Power Siting Commission, Ohio Water Development Authority and Ohio Air Quality Development Authority. The most important accomplishment in that position was approving a contract for an advocate who rallied support to create The Cuyahoga Valley National Recreation Area. In 2011, I was pleased to receive an honorary Doctor of Science degree from Ohio Northern University. Thank you, Prof. Terry Keiser. First employed by The Ohio Academy of Science on February 27, 1975, I have spent over 40 years advancing science and science education through the Academy.

Lessons Learned

Immerse yourself as young as possible in science that interests you. Research shows it will get under your skin. Be curious, skeptical and work to discover something new. Apply science daily, especially to understand the weather. Be persistent. Join organizations like 4-H, FFA and The Ohio Academy of Science that connect you with science professionals. Learn to write well. Take a lot more mathematics than I did. Finally, and most importantly, do not accept mediocrity from anyone, especially yourself.

ROSTER OF ACADEMY JUDGES

Mr Erik Aagard, Hilliard, OH
Mr Harun Abdullah, Auburn, AL
Mr Roland Abi, College Park, MD
Mr Nemi Abomaye-Nimenibo, Baton Rouge, LA
Ms Aastha Acharya, Newark, DE
Dr Pooja Acharya, Columbus, OH
Mr Rajesh Acharya, Mason, OH
Mr Eric Acheampong, Springfield, IL
Dr Doreen Addo-Yobo, Columbus, OH
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Mr Adewale Adehinmoye, Cincinnati, OH
Mr Gbenga Adejumo, Saskatchewan, Canada
Mr Olaoluwa Adeleke, Louisiana, LA
Ms Adebodun Adeleye, Hayward, CA
Mr Ayomide Adeoye, Merced, CA
Mr Adejare Adesiyun, Ames, IA
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Mr Oluwatosin Adewale, Buffalo, NY
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Dr Augustine Afriyie, Murfreesboro, TN
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Ms Peace Aguma, Atlanta, GA
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Mr Ayobami Akinleye, Frankfort, KY
Mr Kehinde Akinola, Greenville, NC
Ms Taye Akinrele, Tuscaloosa, AL
Ms Rebeccah Akintade, Columbus, OH
Mrs Nkechi Jennifer Akinwale, Cincinnati, OH
Mr Moses Akinwole, Merced, CA
Dr Paul Akinyemi, Corning, NY
Mr Ayomide Akomolafe, Omaha, NE
Mr Victor Elikem Akpaloo, Gainesville, FL
Mrs Adebisi Akpan, Tonawanda, NY
Mr Isaac Akpan, St Louis, MO
Mr George Akpowu, Fairfax, VA
Mr Victor Akudoro, Norfolk, VA
Ms Amos Akwemoh, Frankfort, KY
Mr Sadikul Alam, Columbus, OH
Mr Opeyemi Alamutu, St Paul, MN
Ms Balikis Alarape, Bronx, NY
Mr Husain Alegimenlen, Norfolk, VA
Mrs Latifa Alimohammed, Columbus, OH
Mr Will Allain, Columbus, OH
Dr Barry Allred, Dublin, OH
Mr Pelumi Aluko-Olokun, Yorkshire, England
Dr Dhanush Amarasekara, Dublin, OH
Mr Richard Amesimenu, Statesboro, GA
Mr Yash Amin, Arlington, VA
Mr Oluwaseyi Amisu, Knoxville, TN
Dr Vandana Anang, Columbus, OH
Ms Annika Anderson, Columbus, OH
Ms Jessica Anderson, Columbus, OH
Mr Nickolas Andrioff, Columbus, OH
Mr Babatunde Anidu, Saint Paul, MN
Ms Charlotte Annan, Decatur, GA
Mr Alan Anthenat, Grove City, OH
Ms Fatima Anwar, Cincinnati, OH
Dr Mary Beth Arensberg, Columbus, OH
Ms Navya Arigapudi, Grove City, OH
Ms Pavithra Ariyaratne, Athens, OH
Mr Idowu Ariyibi, Akron, OH
Ms Sirisha Arli, Burlington, KY
Ms Marvis Arowolo, Columbia, MO
Ms Afia Asamoah, Columbus, OH
Ms Omotayo Asanga, Willis, TX
Mr Bernard Asante, Athens, OH
Dr Ayesha Ashiq, Wyoming, WY
Mr Chukwujekwu Asogwa, Ravenna, OH
Mr Moses Ataben, Columbia, MO
Mr Lucky Atabo, Springfield, MO
Mr Michael Atogu, Tampa, FL
Ms Ethel Atubrah, Dekalb, IL
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Mr Harsha Bojja, Sunnyvale, CA
Mr Joe Bolzenius, Hilliard, OH
Dr Randall Bostick, Beavercreek, OH
Mr Doug Bowdle, Columbus, OH
Prof Larean Brandon, Columbus, OH
Mr Corbin Brangham, Perrysburg, OH
Mr Kent Brasseale, Groveport, OH
Mr Anthony Bresnen, Westerville, OH
Eric Britton, Twinsburg, OH
Ms Aimee Bross Price, Delaware, OH
Mrs Cherish Brumley, Columbus, OH
Ms Tori Burdette, Columbus, OH
Dr Teresa Burns, Grove City, OH
Dr Devin Camenares, Dublin, OH
Dr Patrick Campbell, Dublin, OH
Mr Jay Cantwell, Columbus, OH
Ms Bayley Carter, Columbus, OH
Mrs Ashley Castner, Farmdale, OH
Mr Gokhan Celik, Toledo, OH
Mrs Bonnie Cenci, Mount Orab, OH
Dr Kerry Cheesman, Columbus, OH
Mrs Anthonia Chieke, Honolulu, HI
Mr Cornelius Chime, Malden, MA
Mr Mahendran Chinniah, Prosper, TX
Mr Anand Chinnakannan, Bentonville, AR

ROSTER OF ACADEMY JUDGES (CONT.)

Mr Surya Narayana Reddy Chintacunta, Jersey City, NJ	Prof Larry Feth, Westerville, OH	Maryum Irshad, Cincinnati, OH
Dr Miri Chung, Hudson, OH	Mr Dorma Flemister, Columbus, OH	Mr Peter Ishimaru, Louisville, OH
Dr Tiffany Claeys, Grove City, OH	Rece Foss, Columbus, OH	Dr Helena Islam, Columbus, OH
Dr Seth Claudepierre, Columbus, OH	Dr Gail Fraizer, Hudson, OH	Ms Allison Iwaszkiewicz, Columbus, OH
Ms Electra Coffman, Columbus, OH	Teri French, Beavercreek, OH	Mr Terrin Jackson, Harrison, OH
Dr Shannon Cooney, Delaware, OH	Mr John Fulton, Bexley, OH	Mr Alan Jaffee, Bowling Green, OH
Bill Crawford, Warren, OH	Ms Udani Gamage, Athens, OH	Mr Abdulganiyu Jimoh, Logan, UT
Dr Mark Dalman, Canal Fulton, OH	Mr Rajesh Gangula, Suwanee, GA	Lateefat Jimoh, Lexington, KY
Dr Uzzal Kumar Dash, Columbus, OH	Dr Elizabeth Garfinkle, Columbus, OH	Ms Patience John-Chukwu, Lewis Center, OH
Dr Avdhoot Datar, Dayton, OH	Mr Nurudeen Gbadegesin, Lexington, KY	Ms Catherine Johnson, Cincinnati, OH
Ms Bethany Davies, Cincinnati, OH	M. Mayowa George, Manhattan, KS	M. Morgan Johnson, Van Buren, OH
Mrs Christina Davis, Dayton, OH	Dr Dennis Gera, Mason, OH	Ms Emily Jones, Circleville, OH
Mr Kyle Davis, Sunbury, OH	Jay Girdham, Toledo, OH	Tyler Jones, Massillon, OH
Ms Rose Dean, Hamersville, OH	Dr Rahul Giri, Columbus, OH	Lisa Jordan, Delta, OH
Dr Russ Decker, Lima, OH	Dr Xun Gong, Powell, OH	Mr Isaac Kaba, Berkeley, CA
Dr Yaowen Deng, Columbus, OH	Dr Christopher Gooch, Bridgeport, OH	Dr Uddipana Kakati, Perrysburg, OH
Mr Saeed Derakhshesh, Columbus, OH	Mrs Indumati Gopal, Westerville, OH	Mr Veeramani Karuppuchamy, Columbus, OH
Ms Janet DeRoo, Mount Vernon, OH	Mr Olunusi Great Oluwatobiloba, Abeokuta, Nigeria	Ms Kemisola Kasali, Jacksonville, FL
Mr Madan Dev, Centerville, OH	Liz Grothaus, Bryan, OH	Mrs Kristen Katricak, Reynoldsburg, OH
Ms Sowjanya Deva, Jersey City, NJ	Mr Srikanth Reddy Gudi, Charlotte, NC	Mr Spencer Kawachika, Columbus, OH
Prof JIAJIE DIAO, Cincinnati, OH	Andriana Gudz, Parma, OH	Dr Derrick Kencsan, Polk, OH
Dustin Doherty, Delaware, OH	Dr Yoonhee Ha, Baltimore, MD	Mrs Banu Kesavalu, Mason, OH
Dr Jacob Doon-Ralls, Columbus, OH	Mrs Cristin Hagans, Archbold, OH	Osama Khan, Toledo, OH
Ms Emily Doss, Columbus, OH	Dr Abdulafees Hamzat, Columbus, OH	Sadia Haque Khan, Columbus, OH
Ms Aminat Dosunmu, Houston, TX	Ms Joanne Hancock, North Canton, OH	Dr Golam Iftakhar Khandakar, Columbus, OH
Mrs Susan Duderstadt, Blacklick, OH	Mr Scott Hawkins, Sagamore Hills, OH	Mr Anton Kilburn, Fairborn, OH
Mr George Duke, Dekalb, IL	Mrs Ashley Hay, Plain City, OH	Prof Jung-Hyun Kim, Columbus, OH
Mr Sumit Dutta, Dublin, OH	Dr Jay Hewage, Dublin, OH	Mr Samuel Kime, Mansfield, OH
Anita Easterly, Toledo, OH	Mr Matt Heywood, Columbus, OH	Anne Kisly, Battle City, MI
Mr Daniel Egbuzie, Columbus, OH	Ms Megan Hill, Columbus, OH	Dr Katherine Knostman, Columbus, OH
Dr Amarachi Ejindu, Ravenna, OH	Francesca Holmes, Toledo, OH	Mr Steve Koch, Columbus, OH
Mr Uduak Ekott, Bloomington, IN	Dr Junping Hong, Columbus, OH	Dr Selvanayaki Kolandapalayam Shanmugam, Ashland, OH
Mr Emmanuel Elendu, Liberty Twp, OH	Mr John Hribar, Columbus, OH	Mr Uday Korat, Santa Clara, CA
Ms Averie Elsass, Massillon, OH	Dr Douglas Hubert, Akron, OH	Jeremy Kosir, Chardon, OH
Desire Emeka, Collinsville, IL	Ms Katherine Hudson, Mount Vernon, OH	Mr Ravi Kotapati, Frisco, TX
Mr Eric Chukwudike Enem, Beaumont, TX	Ms Jane Hunt, Dublin, OH	Ms Melissa Kowalski, Put-In-Bay, OH
Mr Mackenzie English, Tipp City, OH	Ms Oluwafunmisho Ibiloro, Frankfort, KY	Ms Gloria Kreischer Gajewicz, Ottawa Hill, OH
Mr Oshoma Erumiseli, Corvallis, OR	Ms Opetunde Ibitoye, Cincinnati, OH	Mr Gokulram Krishnan, Middletown, DE
Mr Patrick Etus, Columbus, OH	Steve Idowu, Toledo, OH	Richard Krock, Westlake, OH
Dr Inemai Ezhil, Columbus, OH	Ms Ufuoma Igbudugbu, Knoxville, TN	Mr Robert Kruse, Powell, OH
Quincy Faber, Columbus, OH	Ms Mary Ijeh, Morgantown, WV	Ms Kayefi Kuboye, Collinsville, IL
Dr Seth Faith, Columbus, OH	Mr Osasumwen Ikponmwosa, Columbus, OH	Mr Abhijit Kurse, Columbus, OH
Ms Susan Fakolade, Frankfort, KY	Mr Ezekiel Irewole, Morgantown, WV	
Mr Toheeb Falakin, Frankfort, KY		
Mr Iyanuoluwa Fatunmbi, College Station, TX		

ROSTER OF ACADEMY JUDGES (CONT.)

Mrs Ibukun Ladega-Adekeye,
 Maryland, MD
 Ms Abigael Laisa, Starkville, MS
 Mr Bhavinbhai Lakhani, Rutherford, NJ
 Mr Brandon Landis, Columbus, OH
 Mr Shane Lanham, Grove City, OH
 Ms Susan Lasher, Cascade, MD
 Ms Folawe Augustina Layonu,
 Columbus, OH
 Dr Sikini Lee, Columbus, OH
 Dr Stella Leh-Togi Zobeashia, Abuja
 FCT, Nigeria
 Dr Sumona Lester, Columbus, OH
 Mr Henry Levesque, Cincinnati, OH
 Mr Christopher Lightle, Saint paris, OH
 Dr Kelsey Linn, Montecito, CA
 Song-Tao Liu, Toledo, OH
 Dr Amendra Liyanarachchi, Toledo, OH
 Mr Noah Ludwig, Columbus, OH
 Mr Jason Mack, Fairlawn, OH
 M. Mojirade Mafimisebi, Central, SC
 Mr Ashish Mahagaonkar, Union, KY
 Dr Rex Maimait, Hilliard, OH
 Mr Qazi Mairaj ud din, Columbus, OH
 Ms Simbarashe Makumbe, San
 Francisco, CA
 Mr Susheel Mamidala, Westerville, OH
 Mr Bhaskar Manchuri, McKinney, TX
 Mr Andrew Martin, Chagrin Falls, OH
 Mrs Sara Mashhaditafreshi,
 Columbus, OH
 Mr Nathaniel Matthew, Columbus, OH
 Dr Valentine Matula, Granville, OH
 Mr Shaibu Maulid,
 Mayfield Heights, OH
 Dr Jennifer Mbonu, Robbinsdale, MN
 Dr Rebecca McGrail, Lexington, KY
 Mr Jack McLean, Cincinnati, OH
 Mr Benjamin McPheron, Maineville, OH
 Ms Almene De Meran Meguimtsop,
 Boulder, CO
 Dr Nikunj Mehta, Madison, WI
 Mr Matthew Meier, Fort Mitchell, KY
 Mr Stanislav Meredov, Solon, OH
 Mrs Bethany Merillat, Solon, OH
 Mr Shubham Metha, Buffalo, NY
 Mr Johnbosco Mgbajiaka,
 Cleveland, OH
 Ms Stacey Mighton, Columbus, OH
 Anthony Miller, Saint Clairsville, OH
 Mrs Elizabeth Miller, Wapakoneta, OH
 Ms Heather Miller, Mt. Sterling, OH
 Mr Zachary Miller, Columbus, OH
 Mr Faizan Mirza, Akron, OH
 Ms Marissa Mitchell, Columbus, OH
 Mr Prakhar Mittal, Mason, OH
 Mr Vineethkumarreddy Mittamidi,
 Morrisville, NC
 Ms Anya Mitton-Fry, Columbus, OH
 Mr Khurram Yasar Mohammed,
 Austintown, OH
 Mr Ohinoyi Moiza, Lubbock, TX
 John Molander, Montgomery, OH
 Mr Israel Momoh, Stillwater, OK
 Ms Danielle Moore, St Clairsville, OH
 Dr Christine Morales, Alliance, OH
 Ms Sharon Morton, Mount Vernon, OH
 Ms Leah Moser, Richwood, OH
 Mrs Joy Moses, Coralville, IA
 Dr Vicki Motz, Deering, NH
 Mr Matt Mowrer, Saint Clairsville, OH
 Ms Busurat Mudashiru, Athens, OH
 Dr Ashwathanarayana Muniyappa,
 Holland, MI
 Mr Selva Lakshman Murali, Austin, TX
 Ms Ann Murdock, Sunbury, OH
 Mr Usman Mustapha, Houston, TX
 Mrs Abigail Myers, Delaware, OH
 Mr Philip Myers, Sunbury, OH
 Mrs Naga Swetha Nallamothu, Lewis
 Center, OH
 Dr Kinjal Nayak, Kent, OH
 Dr Colleen Neal, Montgomery, OH
 Mary Neumann, Cincinnati, OH
 Ms Faith Chinaza Ngwoke,
 Nairobi, Kenya
 Mr Paul Nicolosi, Columbus, OH
 Mr Bright Nmesirionye,
 Minneapolis, MN
 Mr Marc Nolan, Columbus, OH
 Mr McKay Noll, Columbus, OH
 Mr Blake Norell, Columbus, OH
 Mrs Jeleela Nortey, Tampa, FL
 Mr Divine Ntiokam, Columbus, OH
 Mr Ikechukwu Nwade,
 Grand Forks, ND
 Mrs Chioma Nwakanobi,
 Boynton Beach, FL
 Dr Chinedu Nzekwe, Greensboro, NC
 Mr Olufisayo Obebe, Frankfort, KY
 Mr Vincent Obidiegwu,
 West Lafayette, IN
 Mrs Kudirat Abidemi Obisesan
 Olawuni, Athens, OH
 Mr Francis Odinaka, Dekalb, IL
 Mr Benjamin Odoi-Lartey, Lithia
 Springs, GA
 Dr Marissa Oehlhof, Cincinnati, OH
 Mr Augustine Ofeh, Norfolk, VA
 Ms Jennifer Ofili, Clayton, NC
 Ms Elizabeth Ogar, Lafayette, IN
 Ms Salome Ogbuleka, Las Vegas, NV
 Mr Blessed Oguh, Detroit, MI
 Mr Michael Ogundipe,
 Santa Barbara, CA
 Ms Oluwabusolami Ogunmoyero,
 Lubbock, TX
 Dr Oluwatobiloba Oguntoyinbo,
 Nashville, TN
 Ms Chinelo Ogwu, Steelton, PA
 Ms Favour Ohaezu, Ann Arbor, MI
 Mr Philip Ojiegbu, Davenport, FL
 Mr Augustine Ojo, Fairburn, GA
 Mr Kehinde Ojubola, Merced, CA
 Ms Mayowa Ojumah, Cincinnati, OH
 Mrs Chinaecherem Okafor, Bronx, NY
 Ms Mavis Okafor, Cleveland, OH
 Mr Simon Okafor, Waco, TX
 Mr Kenechi Okeke, Houston, TX
 Ms Sophia Okoh, Frankfort, KY
 Mrs Deborah Okunola, East Point, GA
 Dr Omolola Oladeji, Memphis, TN
 Ms Tolulope Oladeji, Cincinnati, OH
 Mr Olayemi Olaniyi, Baltimore, MD
 Yetunde Olaogun, Fort Collins, CO
 Mr Olabayo Olaopa, Fairfax, VA
 Sammad Olayiwola, Lexington, KY
 Ms Ruth Oliwe, Columbus, OH
 Ms Mary Oloyede, Blacksburg, VA
 Mrs Damilola Oludare, Milwaukee, WI
 Mr Chizurum Oluigbo, New York, NY
 Ms Subomi Olusola, Bronx, NY
 Mr Olaitan Oluwadare, Dover, DE
 Mr Seyi Oluwadare, Potsdam, NY
 Mr Nonso Omezie, Morgantown, WV
 Mr Olusesan Omojola,
 Garfield Height, OH

ROSTER OF ACADEMY JUDGES (CONT.)

Mr Esosa Omoregie, Statesboro, GA
Mr Sodiq Omotosho, Macon, GA
Oluwaseun Omoyemi, Hays, KS
Mr Abiodun Kazeem Oniyide,
Ellicott City, MD
Ms Ozioma Onuselogu, Hazleton, PA
Mr Victor Onyechi, Boardman, OH
Ms Chinyere Onyekwum,
Hermitage, TN
Prof Chris Orban, Columbus, OH
Dr Kate Ormiston, Westerville, OH
Amrhen Ortega, Columbus, OH
Dr Samuel Osanyinlusi, Cleveland, OH
Mr Bismark Oseil, College Station, TX
Mr Olayinka Oshikoya, Lafayette, LA
Mr Ikechukwu Osinomumu,
Morgantown, WV
Ms Ruth Otaigboria, DeKalb, IL
Mr Israel Owolabi, Rochester, NY
Mr Paul Owolabi, Morgantown, WV
Olumide Oyebode, Toledo, OH
Mr Owolabi Oyebode, Frankfort, KY
Mrs Oyeyemi Oyebode, Dekalb, IL
Ms Eunice Oyedokun, Ejigbo, Nigeria
Dr Abiodun Oyelere, South Bend, IN
Dr Onyinye Ozioko, Norfolk, VA
Mr Ari Pandian, Columbus, OH
Dhruba Panthi, New Philadelphia, OH
Ms Sanchita Paranthaman, Mason, OH
Mr Parth Patel, Philadelphia, PA
Mr Pratik Patel, Akron, OH
Dr Subir Pati, Columbus, OH
Mr Subrat Pati, Mason, OH
Beth Patrick, Columbus, OH
Dr Bill Pease, Columbus, OH
Dr Krishna Sai Penumarthy,
Scottsdale, AZ
Mrs Amanda Piegan, Yorkville, OH
Herma Pierre, Ashland, OH
Destiny Pollard, Sandusky, OH
Dr Srikanth Ponneganti, Columbus, OH
Gabriela Popa, New Albany, OH
Dr Liudmila Popova, Columbus, OH
Mr Carlos Porras Guardado,
Columbus, OH
Dr Stacy Porter, Columbus, OH
Ms Parisa Pourabedini, Columbus, OH
Debra Powell, Ashland, OH
Ms Sapna Puri, Columbus, OH
Ms Varada Purohit,
West Carrollton, OH
Mr Akul Rajan, Nashville, TN
Mrs Subathra Rajendran, Dayton, OH
Mr Ibrahim Raji, Morgantown, WV
Ms Shivanjali Ranashing,
Cincinnati, OH
Mr Olutoye Ransome-Kuti,
Chatsworth, CA
Mr Neeraj Rathi, Painesville, OH
Mr Chiragkumar Raval, Barberton, OH
Mrs Jayashree Ravichandran,
Westlake, OH
Mr Spencer Reames, Bellefontaine, OH
Mr Saad Ur Rehman, Cincinnati, OH
Dr Aero Renyer, Columbus, OH
Dr Brian Ritchie, Columbus, OH
Dr Taylor Roberge, Cincinnati, OH
Mrs Dana Roskey, Pleasant Hill, OH
Mrs Hope Roush, Gallipolis, OH
Mr Adebayo Sadiq, Kent, OH
Mr Usama Sajjad, Columbus, OH
Ms Lizzy Sakulich, Columbus, OH
Ms Aisha Salami, Denver, CO
Ms Mary Salami, Santa Barbara, CA
Ms Oluwadamilola Salau,
Columbus, OH
Mr Habeeb Salaudeen, Lakewood, OH
Mr Jake Salazar, Columbus, OH
Mr Philip Salopek, Richmond Hts, OH
Mr Kingsley Samson, Akron, OH
Megan Sanford, Akron, OH
Ms Mary Sanger, Grove City, OH
Mr Yogesh Sapkota, Warren, OH
Mr Hasan Savas, Solon, OH
Dr Ted Scharf, Cincinnati, OH
Ms Emma Schell, Columbus, OH
Sister Virginia Scherer, Sidney, OH
Mrs Julie Schlanz, Cincinnati, OH
Dr Craig Schluttenhofer,
Wilberforce, OH
Prof Ryan Schmidt, Liberty Twp, OH
Dr Zachary Schneiderman, Dublin, OH
Domenico Sciarretta, North Lima, OH
Mr James Sebastian, Tipp City, OH
Mr Greg Seevers, West Milton, OH
Mr Samuel Maniraj Selvaraj,
Columbus, OH
Dr Md Rayhan Shaheb,
Wilberforce, OH
Mrs Brigid Sharek, Lewis Center, OH
Ms Isha Sharma, Sunnyvale, CA
Mr Piyush Sharma, Columbus, OH
Mr Ryan Shearer, West Salem, OH
Ms Ashleigh Sherman, Columbus, OH
Ms Jiehye Shin, Columbus, OH
Mr Mark Shores, Hamilton, OH
Ms Rejina Shrestha, Maumee, OH
Mr Saurabh Singh,
Concord Ontario, Canada
Mr Karthik Sirigiri, Naperville, IL
Dr Davendra Sohal, Cincinnati, OH
Dr Aliaa Soliman, Clarksville, TN
Ms David Somade, Fayetteville, AR
Mr Umang Somani, Columbus, OH
Dr Byungjae Son, Ada, OH
Zhaoning Song, Toldeo, OH
Ms Raissa Songwa T, Toledo, OH
Mr Daniel Sparks, Fisherville, KY
Dr Susan Speight, Wilberforce, OH
Ms Monica Staniszewski,
Cincinnati, OH
Dr Treasure Suheck, Maumee, OH
Mr Michael Suleski, Toledo, OH
Dianne Sumego, Munroe Falls, OH
Ms Grace Sunday, Athens, OH
Dr Ashin Sunny, Columbus, OH
Mr Rahman Syed, Middletown, OH
Mr Sylvester Tafirenyika, Swansea, IL
Dr Tao Tan, Columbus, OH
Mr Moses Tangwam,
Cape Girardeau, MO
Dr Mayank Tanwar, Columbus, OH
Mr Vincent Teye, Frankfort, KY
Mr Rakesh Reddy Thalakanti,
Richardson, TX
Mrs Sharon Tharp, Mount Vernon, OH
Dr Justin Thomas, Hilliard, OH
Ms Rachel Thurston, Columbus, OH
Dr Lynda Titterington, Columbus, OH
Mr Gideon Toriola, DeKalb, IL
Ms Amy Tucker, Columbus, OH
Nadja Turek, Oakwood, OH
Mr Sean Turner, Westerville, OH
Mr Chukwuma Udensi, Lawrence, KS
Ms Ini-mfon Udofia, Chicago, IL
Ms Esther Udoh, Annandale, VA

ROSTER OF ACADEMY JUDGES (CONT.)

Mr Victor Ugwuegbu, Lexington, KY
Ms Egondu Umeobi, Columbus, OH
Ms Chizurum Umeugo, Toledo, OH
Dr Okten Ungor, Westerville, OH
Ms Kesiena Usen,
Warri Delta State, Nigeria
Ms Esther Uzoka, Grove City, PA
Dr Dr. Kanchan Verandani,
Scottsdale, AZ
Ms Katherine Veth,
Grandview Heights, OH
Mr Benjamin Wagner, Columbus, OH
Ms Lauren Wagner, Westerville, OH
Mrs Jackie Wallace, Grove City, OH
Mr Matt Wallschlaeger, Johnstown, OH
Mr Eric Wambua, Lexington, KY
Dr Chen Wang, Mason, OH
Ms Jamie Watt, Dayton, OH
F Stanford Wayne, Gahanna, OH
Mr Joshua West, Columbus, OH

Jeremy Westbrook, Millersburg, OH
Mrs Madisson White, Columbus, OH
Ms Sarah White, Columbus, OH
Dr Nisitha Wijewantha, Columbus, OH
Ms Cheryl Wilkes R.N., Akron, OH
Ms Brynnae Williams, Columbus, OH
Kristen Williams, Toledo, OH
Mr Michael Winegar, Delaware, OH
Mrs Hannah Wise, South Point, OH
Mr Levi Wolff, Columbus, OH
Mr Michael Woytek, Dublin, OH
Mr Luming Yang, Columbus, OH
Mr Brian Yates, Columbus, OH
Mr Santosh Yerasuri, Edison, NJ
Dr Enas Yousef, Columbus, OH
Mr Ugur Zengince, Columbus, OH
Dr Weibing Zheng, Oxford, OH

*Thank You
Judges!*

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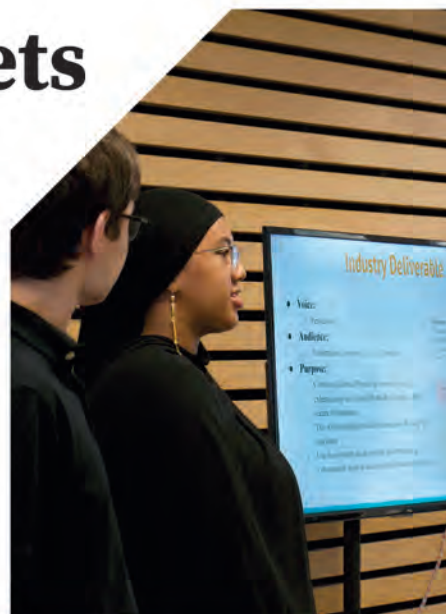
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ROSTER OF STUDENT EXHIBITORS

Salma Abdi

Grade: 5 Team project
Cesar Chavez College
Preparatory School,
Franklin County
The The Great Drift :How the canopy geometry affects your descent.

Hajr Abdullah

Grade: 12 Individual project
Horizon Science Academy
Columbus, Franklin County
PID Controller Tuning for a Drone

Asiya Abdullahi

Grade: 5 Team project
Cesar Chavez College Preparatory School,
Franklin County
The The Great Drift :How the canopy geometry affects your descent.

Batoul Abed

Grade: 9 Individual project
Toledo Islamic Academy, Lucas County
Does the pH levels of different substances effect their cleaning abilities on pennies?

Zainab Abed

Grade: 7 Individual project
Toledo Islamic Academy, Lucas County
What material can prevent apple slices from turning brown?

William Abouhassan

Grade: 12 Individual project
Upper Arlington High School,
Franklin County
The Effect of Heavy Metal Toxicity on The Growth of E. Coli

Mera Abusaad

Grade: 9 Individual project
Ottawa Hills High School,
Lucas County
Enzymatic Browning in Apples

Camden Acuff

Grade: 8 Individual project
Jackson Memorial Middle School,
Stark County
LEGO Bridge Load Testing: Bridge Strength Across Three Designs

Albert Adams

Grade: 9 Individual project
Xenia High School, Greene County
What suture threads is the strongest?

Cenna Adams

Grade: 8 Individual project
St Vincent De Paul, Knox County
Soybeans

Cohen Adkins

Grade: 5 Team project
South Point Elementary School,
Lawrence County
Heart Pounding Fun

Aryan Agarwal

Grade: 10 Individual project
The University School - College Prep,
Portage County
Predictability of Collateral Antibiotic Response from Mutation Types in Vancomycin-Evolved S. aureus

Leen Akras

Grade: 11 Individual project
Hawken School, Cuyahoga County
Memory Screening For Cognitive Impairment In Adults With Epilepsy Using An Automated Tool

Aya Al-Ataby

Grade: 6 Team project
Toledo Islamic Academy, Lucas County
Petri Dishes and Pollutants: Uncover What's Lurking in Your Water

Sharmake Ali

Grade: 11 Individual project
Horizon Science Academy
Columbus, Franklin County
Using Sound To Save Lives

Najjad Alsultan

Grade: 11 Individual project
Ottawa Hills High School,
Lucas County
Study of The Effect of Temperature on The Performance of Photovoltaic Device

Jaafar Al-Temimee

Grade: 6 Individual project
Toledo Islamic Academy,
Lucas County
Water Wars

Lina Ameer

Grade: 8 Individual project
Ridgewood School, Clark County
Magnetic Microplastic Removal

Henry Anderson

Grade: 8 Individual project
St Rose, Wood County
How much weight can different bridge designs hold?

Reagan Anderson

Grade: 8 Individual project
St Rose, Lucas County
Comparing Water Quality at Different Locations in the Maumee Watershed

Anush Andi

Grade: 7 Individual project
The University School,
Lake County
Polar Express

Zaid Anwar

Grade: 10 Individual project
The University School - College Prep,
Cuyahoga County
AI Discovery of Immune Biomarkers for ADT-Induced Cognitive Decline in Prostate Cancer Patients

Zaria Appiatse

Grade: 6 Team project
The Plains Intermediate School,
Athens County
Breaking the Rainbow

Dhruva Arcot

Grade: 8 Individual project
Willard Grizzell Middle School,
Franklin County
Investigating Biochemical And Hematological Markers In Taste Dysfunction

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Volume 120 No. 2. Peer-reviewed articles (2020)



ROSTER OF STUDENT EXHIBITORS (CONT.)

Sammy Armanazi

Grade: 11 Individual project
The University School - College Prep,
Cuyahoga County
*Notch Signaling Between Arterial
Endothelial Cells and Smooth Muscle Cells
Regulates Angiogenesis*

Henry Armstrong

Grade: 7 Team project
St Ambrose, Medina County
The Ultimate Tumbler Showdown

Riyansh Arora

Grade: 9 Individual project
Hawken School, Cuyahoga County
*NeuroCardioSense: A Preemptive
Neurological and Cardiovascular Disorder
Detection via a Wearable uti*

Charles Arrigo

Grade: 6 Individual project
St Vincent De Paul, Knox County
Fat Content

Chenuli Attanayake

Grade: 10 Individual project
Archbishop Alter, Warren County
*The Efficacy of Extracted DNA from Differ-
ent Types of Produce*

Abel Austin-Stewart

Grade: 6 Team project
The Plains Intermediate School,
Athens County
Using Markov chain in baseball

Anna Avcin

Grade: 5 Individual project
St Ambrose, Medina County
Testing the Five Second Rule

Samantha Avey

Grade: 11 Individual project
Miami Valley Career Technology
Center, Montgomery County
*Salt Eaters: Desalination by
Halophilic Algae*

Gabriel Awada

Grade: 7 Individual project
Columbia Middle School,
Lorain County
Stepping Toward Longevity

Vincent Babeaux

Grade: 7 Individual project
Bishop Leibold E And W Campus,
Montgomery County
The Hidden Colors on M&Ms

Millan Babu

Grade: 7 Individual project
Birchwood School of Hawken,
Cuyahoga County
*What spectrum of light makes radishes grow
the tallest?*

Xander Bach

Grade: 11 Individual project
The University School - College Prep,
Cuyahoga County
*Developing an Economical
Alternative for a Guitar Pedal Using an
Arduino Uno*

Jolene Back

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*How Does the pH Reading of Popular
Flavors Affect the Spherification of
Boba Pearls?*

Jean Bahr

Grade: 5 Individual project
St Paul, Columbiana,
Columbiana County
It's Electric!

Evan Bailey

Grade: 8 Individual project
St Vincent De Paul, Knox County
Music

Tate Baker

Grade: 7 Individual project
Holy Trinity School, Perry County
*Does Parity Affect Immunoglobulin G Levels
in Goat Colostrum?*

Aadhav Bala

Grade: 5 Individual project
New Albany Intermediate School,
Franklin County
*How does the weight affect the height of
a rocket?*

Kamil Balci

Grade: 9 Individual project
Solon High School,
Cuyahoga County
*Transcriptome Dynamics and ADAR Editing
in Fluoroquinolone Treated Astrocytes Ex-
posed To Cadmium.*

Grant Ballos

Grade: 7 Individual project
Canton Country Day School,
Stark County
What is the Best Type of 3D Print Filament

Reese Barger

Grade: 6 Team project
Graham Middle School,
Champaign County
*Taste With Your Eyes: Color's Influence on
White Chocolate Flavor Perception*

Bailey Barnett

Grade: 7 Individual project
St Vincent De Paul, Knox County
Bleach

Fionnuala Bartholomew

Grade: 7 Individual project
Our Lady Of Perpetual Help,
Franklin County
*How Does Acidic Water Affect a Simple
Aquatic Environment?*

Benjamin Bartyzel

Grade: 11 Individual project
Saint Ignatius High School,
Lorain County
*Acute Impacts of High-Fat Diet on
Hydrogen Sulfide (H₂S) Production in
Male Mice*

Sawyer Bates

Grade: 7 Team project
Miami East Junior High School,
Miami County
*Scrolling to Suffering: The Effects of Screen
Time on Headaches*

Akshay Batra

Grade: 9 Team project
Dublin Jerome High School,
Franklin County
Open-Container Kinetic Model

ROSTER OF STUDENT EXHIBITORS (CONT.)

Sophia Beadle

Grade: 12 Individual project
Bloom-Carroll High School,
Franklin County
*How a Dog's Breed and Gender
Affects IVDD*

Lilyana Beall

Grade: 7 Team project
Jackson Memorial Middle School,
Stark County
Plastic Predators

Katie Jo Beasley

Grade: 11 Individual project
Piqua High School, Miami County
*Can you spot the difference? Exploring if
humans can spot AI generated material*

Evelyn Bedell

Grade: 7 Team project
Kilbourne Middle School,
Franklin County
Bacteria in Household Water

Cora Bell

Grade: 11 Individual project
Bloom-Carroll High School,
Fairfield County
*Cavendish Banana Preservation with
1-MCP, KMnO₄, and Modified Atmosphere
Packaging*

Reagan Bender

Grade: 11 Individual project
Bloom-Carroll High School,
Fairfield County
*How Well Can Teenagers Hear Certain
sounds in a Loud Environment*

Ian Bergquist

Grade: 9 Individual project
Fairland High School,
Lawrence County
*The Effect of Geomagnetic Storm Intensity
on the Number of Localized Radioactive
Particles Detected*

Iker Bernardezi

Grade: 5 Team project
Educational Academy for Boys & Girls,
Franklin County
*Can Banana Peels Be Turned into
Biodegradable Plastic?*

Nikhil Bhimoreddy

Grade: 12 Team project
Olentangy Orange High School,
Delaware County
*SCENT: A Breath-Based Volatile Organic
Compound (VOC) Analyzer for Early
Disease Detection*

Hannah Bigelow

Grade: 6 Individual project
St Charles Borromeo,
Montgomery County
Stable & Sporty

Brendan Binegar

Grade: 7 Individual project
St Mary, Wood County
*Comparison of Vitamin C Levels in
Orange Juice*

Michael Bittner

Grade: 7 Individual project
St Edward, Ashland County
*Raising the Heat: How Spicy Food Affects
Body Temperature*

Iyanna Black

Grade: 9 Individual project
Global Impact STEM Academy,
Clark County
*The Amount of Microplastic in Marine vs.
Saltwater Samples*

Jillian Black

Grade: 10 Team project
Lehman High School,
Miami County
Ray of Decay

Sophia Blosser

Grade: 8 Individual project
New Lexington Middle School,
Perry County
Does music affect BPM?

Mikayla Blucker

Grade: 7 Individual project
Our Lady Of Perpetual Help,
Franklin County
*Does the Effect of Yeast Used in Baking
Bread Affect the Overall Quality Taste?*

Lottie Bodin

Grade: 10 Individual project
Benjamin Logan High School,
Logan County
The Color Preference of Honey Bees

Winnie Bodin

Grade: 12 Individual project
Benjamin Logan High School,
Logan County
*Biological and Chemical Assessment on the
Mad River Over Eight Years*

Caroline Borell

Grade: 7 Individual project
Canton Country Day School,
Stark County
*Does Age Really Relate To The
Stroop Effect?*

Gracie Borgelt

Grade: 8 Individual project
St Rose, Lucas County
*Microplastics Levels in the Lake
Erie Watershed*

Neilesh Bose-Pillai

Grade: 7 Individual project
Herman K Ankeney Middle School,
Greene County
*Natural Remedies That Can Help
with Heartburn*

Sol Bosio

Grade: 11 Individual project
Sylvania Northview High School,
Lucas County
*Enhanced Greywater Recovery via Solar
AGMD with PTFE*

Isabella Bowden

Grade: 8 Individual project
Bishop Leibold E And W
Campus, Montgomery County
The Mozzarella Mission

ROSTER OF STUDENT EXHIBITORS (CONT.)

Abena Boynes

Grade: 10 Individual project
Horizon Science Academy Columbus,
Franklin County
Can Biochar Mitigate the Adverse Effects of Polypropylene in Soil?

Gracin Bradley

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
How Absorbent are Different Types of Animal Bedding?

Coy Branham

Grade: 6 Team project
Zane Trace Middle School, Ross County
Superior Grip Product?

Levi Bratton

Grade: 5 Individual project
East Richland Christian Schools,
Belmont County
The heat of light bulbs

Peyton Brick

Grade: 8 Individual project
New Lexington Middle School,
Perry County
What is The Best Way To Clean an Oral Retainer

Penelope Bridges

Grade: 7 Individual project
Canton Country Day School,
Stark County
Fertilizing Plants

Wesley Brock

Grade: 7 Team project
Kilbourne Middle School,
Franklin County
Air Pressure in a Soccer Ball

Kendall Browand

Grade: 5 Individual project
Northwestern Elementary School,
Ashland County
Lemon and Potato Battery

Emily Brown

Grade: 5 Individual project
East Richland Christian Schools,
Belmont County
The Elasticity of Hair Ties

Harper Brown

Grade: 7 Team project
Clay High School, Scioto County
AI vs. Reality

Patterson Brown

Grade: 11 Individual project
Archbishop Carroll High School,
Greene County
The Effect of Column Shape on Paper Strength

Sean Brown

Grade: 12 Individual project
Miami Valley Career Technology Center,
Preble County
Strength Training: Fascia vs BFR in Average individuals

Quinn Bryant

Grade: 8 Individual project
Solon Middle School,
Cuyahoga County
Does the Age of a Fruit Change the Amount of Brix it Contains?

Hudson Buchwalter

Grade: 7 Individual project
Zane Trace Middle School, Ross County
Feeding Time

Reid Buck

Grade: 7 Individual project
Holy Rosary, Auglaize County
How do Microplastics affect the growth of a soybean?

Emerald Burgess

Grade: 12 Individual project
Horizon Science Academy
Columbus, Franklin County
The Temperature-Glow Connection: Exploring Luminol's Chemiluminescence

Lilah Burns

Grade: 6 Individual project
Chillicothe Intermediate School,
Ross County
GlowFlex

Abigail Burtrum

Grade: 8 Individual project
Bishop Leibold E And W
Campus, Warren County
Gettin' Cheesy!

Nora Butler

Grade: 6 Individual project
Solid Ground School, Athens County
To Bean or Not to Bean

Amarylys Caceres

Grade: 9 Individual project
Centerville High School,
Montgomery County
Genetic Engineering : CRISPR Cas9

Ethan Camp

Grade: 11 Individual project
The University School - College Prep,
Cuyahoga County
Artificial Intelligence-Based Screening and Evaluation System for Adolescent

Anthony Cann

Grade: 5 Individual project
John F. Kennedy Catholic Lower Campus,
Trumbull County
The Effect of Temperature on the Corrosion Rate of Aluminum in a Salty Ferric Chloride Solution

Hope Carrel

Grade: 5 Individual project
East Richland Christian Schools,
Belmont County
DISSOLVING SKITTLES - CANDY SHELL

Lucia Carver Daniels

Grade: 6 Individual project
Solid Ground School, Athens County
It's The Yeast I Could Do

ROSTER OF STUDENT EXHIBITORS (CONT.)

Ilona Cavallario

Grade: 10 Individual project
Upper Arlington High School,
Franklin County
*Porous vs. Non Porous Surfaces
and Bacteria*

Astra Chadil

Grade: 5 Individual project
St Vincent De Paul, Knox County
Plants

Om Chatterjee

Grade: 7 Individual project
Home Schooled Student, Delaware County
Pollen Allergy Early Warning

Manraj Chauhan

Grade: 9 Individual project
Columbia Middle School, Lorain County
*Exploring Sujok and Color Therapy with
Machine Learning - A Study of Non-Invasive
Wellness Methods*

Dhruv Chawla

Grade: 7 Team project
Perrysburg Junior High School,
Wood County
*Shoe Odor Science: Best way to remove
bad smells*

Nathan Chege

Grade: 11 Individual project
The University School - College Prep,
Cuyahoga County
How Wind Affects Golf Ball Flight

Annie Chen

Grade: 11 Individual project
Fairland High School, Lawrence County
Breathing Styles on Lung Capacity

Emily Chen

Grade: 10 Team project
Ottawa Hills High School,
Lucas County
Effect of Invasive Plants on Soil Fertility

Katherine Chen

Grade: 8 Individual project
Perrysburg Junior High School,
Wood County
*Effect of Ultraviolet Rays on Yeast Colony
Growth*

Samuel Chen

Grade: 7 Individual project
Girard Intermediate Middle School,
Trumbull County
Aluminum Bats Versus Wood Bats

Kynsley Cherry

Grade: 5 Individual project
Northwestern Elementary School,
Wayne County
Yummy Gummy Lab

Molly Chhabra

Grade: 11 Individual project
William Mason High School, Warren County
*VagusSync: A Closed-Loop Vibrotactile Au-
ricular Neural System to Reduce Tachycar-
dia in POTS Patients*

Vedant Chhabra

Grade: 11 Individual project
William Mason High School, Warren County
*"Green Beams": Mass and Embodied Car-
bon Reduction via Topology Optimization of
Cantilever Beams*

Daniel Chiang

Grade: 6 Individual project
The University School, Cuyahoga County
The Science of Staying Cool

Madan Chiang

Grade: 8 Individual project
Larson Middle School, Franklin County
*Choice Architecture in the Cafeteria: Does
Placement Affect What We Eat?*

Venkata likhit tanishq Chilakala

Grade: 10 Individual project
Walnut hills high school, Morrow County
*Spatiotemporal Optimization of Urban Heat
Mitigation Infrastructure Deployment*

Hari Chimalakonda

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*Comparing houseplant's potency at im-
proving air quality against HEPA-filters in
enclosed spaces*

Mukund Chimalakonda

Grade: 11 Individual project
Solon High School, Cuyahoga County
*Targeting HSF1 enhances anticancer
efficacy of proteotoxic drugs*

Arnab Chowdhury

Grade: 8 Individual project
Hyatts Middle School, Delaware County
*System for Reducing Injuries from Ladder
and Scaffolding Falls*

Olivia Christensen

Grade: 11 Individual project
Put-In-Bay High School, Ottawa County
*Decomposition rates of gallus gallus
domesticus in different enviornments*

Sean Christian

Grade: 5 Individual project
Big Walnut Intermediate School,
Delaware County
*Stability of Objects Based on Shape in
Ultrasonic Levitation*

Carlos Chum

Grade: 6 Individual project
St Paul, Columbiana County
Money Vs Bacteria

Emma Claggett

Grade: 7 Team project
Zane Trace Middle School, Ross County
Glow Crazy With UV

Lauren Clidence

Grade: 12 Team project
Bloom-Carroll High School,
Fairfield County
*How Does Fear of Re-injury Affect
Athletic Performance?*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Philip Clonch

Grade: 9 Individual project
Global Impact STEM Academy,
Clark County
*Hunters Awareness of Chronic Wasting
Disease vs Epizootic Hemorrhagic Disease*

Ella Collins

Grade: 8 Team project
Covington Middle School, Miami County
Fire Prevention and Clean Up

Elise Conard

Grade: 11 Individual project
Archbishop Carroll High School,
Montgomery County
*Which Host Plant Attracts the Most
Caterpillars in Both Number and Variety?*

Micaela Conard

Grade: 8 Individual project
St Charles Borromeo,
Montgomery County
*Fair or Flawed a Test In The Bias of
Artificial Intelligence*

Leah Congrove

Grade: 8 Individual project
Zane Trace Middle School,
Ross County
DON'T EAT THAT!

Madeline Connor

Grade: 6 Individual project
East Richland Christian Schools,
Belmont County
*Which Brand of Hair Heat
Protectant Works Best*

Marceya Cook-Briones

Grade: 5 Team project
McEbright Community Learning Center,
Summit County
Rock Salt Effects

Killarney Cooper

Grade: 8 Individual project
Holy Angels, Shelby County
Are Shoulders Distracting?

Connor Corcoran

Grade: 7 Team project
Kilbourne Middle School,
Franklin County
Air Pressure in a Soccer Ball

Bailey Cotterman

Grade: 10 Individual project
Lehman High School, Shelby County
*Bake It -Til You Make It: How Fats Affect
The Cookie Game*

Gracie Crabtree

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*Animal Body Insulation Types' Effect on
Body Temperature*

Kyili Craig

Grade: 9 Individual project
Global Impact STEM Academy,
Clark County
*Does the Plant Base for Honey Production
Affect Pollen Granule Quantity?*

Devyn Crawford

Grade: 7 Individual project
Ridgewood School, Clark County
Silence vs. Sound: Who Wins Your Focus?

Mackenzie Crooks

Grade: 8 Individual project
Graham Middle School, Champaign County
AquaShield

Alexey Cruz Rosa

Grade: 7 Individual project
Miller-South Visual Performing Arts,
Summit County
Tibetan Singing Bowls

Paul Cunningham

Grade: 6 Individual project
Cincinnati Classical Academy,
Highland County
Go, Gadget, Go!

Sydney Curtiss

Grade: 11 Individual project
Sylvania Northview High School,
Lucas County
*Comparing Xanomeline-Trospium (KarXT)
to Olanzapine for Treatment of
Schizophrenia: Using Global Dat*

Victoria Cushler

Grade: 8 Individual project
Academy Of St Bartholomew,
Medina County
Rising to the Occasion

Jade Cusimano

Grade: 9 Individual project
Global Impact STEM Academy,
Clark County
*Protein Absorption Availability After
Digestion for Different Milk Types*

Alexia Cutlip

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
*How do Different Cryoprotectants Affect the
Viability in Artificial Fertilization
for Livestock?*

Ben Czaplicki

Grade: 7 Individual project
Sacred Heart Of Jesus, Medina County
*Effects of Sodium Hydroxide and Distilled
White Vinegar on Probiotic Bacteria.*

Elise Daniels

Grade: 8 Individual project
St Ursula Academy, Wood County
*Inside The Bowl: Detecting Undeclared
Allergens in Commercial Dry Canine Food*

Wilder Daniels

Grade: 5 Individual project
Solid Ground School, Athens County
Fantastic Filtration

Charlie Daugherty

Grade: 5 Individual project
Solid Ground School, Athens County
How Much Do We Trust AI

ROSTER OF STUDENT EXHIBITORS (CONT.)

Kyler Daum

Grade: 5 Individual project
St Ambrose, Medina County
Riding the Cable: The Magic of the Ski Lift

Caylee Davis

Grade: 8 Individual project
Immaculate Heart Of Mary, Summit County
Lighting up the Deep

Isabel D’Cruz

Grade: 6 Individual project
Shaker Heights Middle School,
Cuyahoga County
*How Induced Current in a Coil Varies
with Distance*

Lucas D’Cruz

Grade: 10 Individual project
The University School - College Prep,
Cuyahoga County
*Live-Cell Imaging Shows Proteasome
Activation Improves Neuronal Survival in
Alzheimer’s Model*

Evan DeKay

Grade: 9 Individual project
Bloom-Carroll High School,
Fairfield County
*The Effects of Nose Cone Angles on Model
Rocket Performance*

Kenzhi Delsing

Grade: 6 Individual project
Home Schooled Student, Greene County
*Brick Bridge Challenge: “Operation Hit
the Bricks”*

Aaron Deng

Grade: 9 Individual project
Solon High School, Cuyahoga County
*The Impact of Electromagnetic Radiation on
the ATP Production of Erythrocytes*

Lily Denk

Grade: 10 Team project
Ottawa Hills High School, Lucas County
*How does relative humidity, air, and surface
tempeture effect future thunderstorm risks?*

Sofia Denk

Grade: 10 Team project
Ottawa Hills High School, Ottawa County
*How does relative humidity, air, and surface
tempeture effect future thunderstorm risks?*

Zack Derringer

Grade: 5 Individual project
Unioti Elementary, Ross County
*Bridge Design: Which type of bridge truss
will be the most engineering and
cost efficient?*

Ananya Desai

Grade: 11 Individual project
Mason High School, Warren County
*RAPID: A Reproducible Synthetic Frame-
work for Evaluating Rule-Based Hospital
Privacy Detection*

Kahaan Desai

Grade: 5 Team project
The Miami Valley School, Greene County
*Saving Electric Cars with
Smart Sensors*

Jaxon Dew

Grade: 5 Individual project
John F. Kennedy Catholic Lower School,
Trumbull County
Burger Breakdown

Luke Dexter

Grade: 10 Individual project
Lehman High School, Miami County
*Stopping the Spark- The Effect of
Fire Retardants*

Archishman Dey

Grade: 9 Individual project
Solon High School, Cuyahoga County
*Mapping The Air We Breathe: The First
National PM 2.5 Dataset Using Physics-ML
and PBAT Calibration.*

Ayushman Dey

Grade: 9 Individual project
Solon High School, Cuyahoga County
*Decoding GLP-1: Digital Twins To Separate
Neural Pathways from Metabolic Pathways
in Brain Health*

Arjun Dhanekula

Grade: 10 Individual project
The University School - College Prep,
Summit County
*A Computational Comparison of Quantum
and Classical search algorithms for
Simulated Genetic Variant*

Arnav Dhanekula

Grade: 10 Individual project
The University School - College Prep,
Summit County
*Molecular Dynamics Screening of Synthetic
Polymers for Cartilage Replacement*

Mariam Diab

Grade: 6 Individual project
Toledo Islamic Academy, Lucas County
Does Gold Rust?

Barbara Diaz

Grade: 5 Team project
Educational Academy for Boys & Girls,
Franklin County
*From Used Charcoal to Chalkboard: Can
Waste Become a Writing Surface?*

Jason Diehl

Grade: 12 Individual project
Northwestern High School, Wayne County
The Future of Algae

Laci Dillman

Grade: 8 Individual project
Butler Middle School, Darke County
Sport Recovery Time

Hattie Dillon

Grade: 6 Individual project
Chesapeake Middle School,
Lawrence County
Is the five second rule accurate?

Leah Dilts

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*The Effect of Strawberry Preservation
Techniques on Mold Growth*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Madilynn DiMichele

Grade: 9 Individual project
Global Impact STEM Academy,
Clark County
Apple Type's Effect on Chemical Energy

Carter Dine

Grade: 8 Individual project
St Paul School, Delaware County
Ears Over Eyes

Adarsh Dinesh

Grade: 9 Individual project
Sycamore High School, Hamilton County
*Onco-informatics and Computer aided
Virtual Screening for the Identification of
Novel Therapeutic Ag*

Kevin Dong

Grade: 7 Individual project
Global Impact STEM Academy,
Clark County
*How does different types of soil affect
plant growth?*

Leila Doran

Grade: 7 Team project
Kilbourne Middle School, Franklin County
Bacteria in Household Water

Jocelyn Dorion

Grade: 11 Individual project
Bloom-Carroll High School,
Fairfield County
*In Terms of Decibels, Do Student Musicians
or Athletes Have Greater Hearing Loss?*

Julia Doss

Grade: 8 Individual project
Ridgewood School, Champaign County
*How do Different Fertilizers affect
Algae Growth?*

Grayson Drewett

Grade: 7 Individual project
East Richland Christian School,
Harrison County
*The Effect of Ambient Temperature on
Crossbow Bolt Flight Speed*

Carson Drury

Grade: 11 Individual project
Bloom-Carroll High School,
Fairfield County
*Does Artificial Turf vs. Grass Cause More
Non-Contact Injuries Throughout the NFL?*

Graham Dunlap

Grade: 5 Team project
L. T. Ball Intermediate School,
Miami County
*The Effect of Launch Angle on Rocket
Launch Distance*

Meredith Dunlap

Grade: 9 Individual project
Fairland High School, Lawrence County
*The Effects of Water Temperature on Plant
Health and Growth*

Yannis Dusabe

Grade: 7 Individual project
Bishop Leibold E And W Campus,
Montgomery County
Sweet Science

Helena Duselis

Grade: 10 Individual project
Dayton Regional STEM School,
Montgomery County
*Analysis of Alpha Amylase 1 in Relation to
Implicit Bias*

Cash Easley

Grade: 5 Team project
Burlington Elementary School,
Lawrence County
Think Before You Drink!

Adhwaith Ega

Grade: 6 Individual project
Tippecanoe Middle School, Miami County
Sugar-Rush

Henry Eggleston

Grade: 6 Individual project
Global Impact STEM Academy,
Clark County
Do Hardwoods Burn Longer than Softwoods

Bianca Ehling

Grade: 11 Individual project
Olentangy Orange High School,
Delaware County
*Prediction of Senescent Cells and Genes
in Retinoblastoma*

Sofia Elfituri

Grade: 10 Team project
Ottawa Hills High School,
Lucas County
Effect of Invasive Plants on Soil Fertility

Victor Elin

Grade: 11 Individual project
The University School - College Prep,
Cuyahoga County
*Examining Phytoremediation in GMO and
Non-GMO Soybeans Using Aqueous
Nickel Chloride*

Penelope Elliott

Grade: 10 Individual project
Benjamin Logan High School,
Logan County
*Assessing Levels of Bacteria on Commonly
Used Public School Surfaces*

Rayne Ellis

Grade: 5 Individual project
Northwestern Elementary School,
Wayne County
Can Chickens Learn Colors?

Monroe Enslin

Grade: 5 Team project
McEbright Community Learning Center,
Summit County
Rock Salt Effects

Asher Erf

Grade: 12 Team project
Northwestern High School, Wayne County
Compact Charging Companion

Aubrey Ernst

Grade: 10 Individual project
Tippecanoe High School, Miami County
*The Perfect Pickup Line: Bus Interference in
High School Parking Lots*

Mallorie Erter

Grade: 8 Team project
Graham Middle School, Champaign County
*Don't Get Burned!: An Experiment on the
Sunscreens We Use*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Trinity Estep

Grade: 7 Team project
Zane Trace Middle School, Ross County
*Moisturizer Madness: Gel, Cream,
Or Lotion.*

Lilly Eucker

Grade: 9 Individual project
Beaumont School, Summit County
The Best Way to Learn a Language

Kodi Eze

Grade: 8 Individual project
Incarnation, Montgomery County
Keep It Coolest

Nnedi Eze

Grade: 9 Individual project
Archbishop Alter, Montgomery County
*The Efficacy of Treating Water Hardness
KCL, Sea Salt, or Iodized Salt*

Taylor Fairchild

Grade: 12 Individual project
Howland High School, Trumbull County
*ACL Study in Women's Sports: ACL Knee VS
Normal Knee*

Ayesha Faruki

Grade: 12 Individual project
Mentor High School, Lake County
*Image Segmentation and Machine Learning
Networks for Reducing Skin Tone Bias in
Skin Cancer*

Lauren Fedell

Grade: 12 Individual project
Bloom-Carroll High School,
Fairfield County
*The Neurotoxicity of Leached VOCs on
Planarian Development and Synergistic
Stress Response*

Theodore Fenwick

Grade: 8 Individual project
St Columban, Clermont County
*Building Better Batteries: What Material
Stores Heat Best?*

Luke Fioritto

Grade: 10 Individual project
The University School- College Prep,
Cuyahoga County
*Regenerative Ozonated Water in Dental
Surface and Oral Antimicrobial Control*

Peyton Fisher

Grade: 8 Individual project
Bishop Leibold E And W Campus,
Montgomery County
Prosthetics and Robotic Arms

Elias Fleck

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*Comparing the True Strength of the 3 Main
Types of Fishing Line*

Marlowe Fletcher

Grade: 7 Team project
Kilbourne Middle School,
Franklin County
Bacteria in Household Water

Ernesto Flores

Grade: 9 Individual project
Lehman High School, Miami County
Voice Controlled CNC Writing Machine

Brayden Foster

Grade: 9 Individual project
Archbishop Carroll High School,
Montgomery County
*Energy Output Comparison of Fixed and
Solar-Tracking Solar Panels*

Grace Fowler

Grade: 7 Individual project
Global Impact STEM Academy,
Clark County
*Does The Number of Coils in an
Electromagnet Influence Its Strength?*

Elisabeth Fox

Grade: 11 Individual project
Fairland High School,
Lawrence County
Reading Comprehension

Jonah Francis

Grade: 8 Individual project
Holy Angels, Shelby County
*Evaluation of a Device to Warn Runners of
Oncoming Vehicles*

Elizabeth Frantz

Grade: 11 Individual project
Wooster High School, Wayne County
*Ten Different Species of Birds as Indicator
Species on Climate Change Based on
Migrational Patterns*

Stevie Frantz

Grade: 8 Individual project
Wooster High School,
Wayne County
The Journey of a Dust Particle

Sam Freytag

Grade: 11 Individual project
Dublin Coffman High School,
Franklin County
AI and Art: Impact on Us and Our Future

Carsyn Frybarger

Grade: 12 Team project
Northwestern High School, Wayne County
Compact Charging Companion

Isaiah Fuhr

Grade: 11 Individual project
Rock Hill Sr High School,
Lawrence County
*A Local Assessment of Acid Mine Drainage
in Appalachian Ohio*

Lula Fuhr

Grade: 9 Individual project
Rock Hill Sr High School,
Lawrence County
*How Tough Are They? The Impact of Cold
Temperature on Modern Plastics*

Aakanksha Gadani

Grade: 8 Individual project
Hathaway Brown, Cuyahoga County
Microplastics: An Invisible Threat

Mary Gali

Grade: 7 Team project
Hyatts Middle School, Delaware County
*The Rate of Enzyme Activity When in
Different Water Temperatures*

Gabriella Galvez

Grade: 7 Individual project
St Peter, Lorain County
The Effects Yarn Has on Amigurumi

Xavier Garcia

Grade: 6 Team project
Graham Middle School, Champaign County
*How Does Caffeine Help In The Removal Of
Iron Oxide*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Tysen Gariety

Grade: 6 Team project
Jackson Center High School, Shelby County
Effect of Fertilizer on Tomato Plants

Nevaeh Garrett

Grade: 11 Team project
Buchtel Community Learning Center,
Summit County
Diaper Dilemma

Benjamin Gehret

Grade: 12 Individual project
Anna High School, Shelby County
*Cruetzfeldt-Jakob Disease: A
Metadata Analysis*

Rayne George

Grade: 8 Individual project
New Lexington Middle School,
Perry County
*Does Added Carbon Dioxide Increase
Duckweed Frond Growth?*

Neil Gera

Grade: 11 Individual project
William Mason High School, Warren County
*Artificial Intelligence - Road-hazard Active
Detection and Remediation (AI-RADAR)*

Ishaan Ghosh

Grade: 9 Individual project
Lakota West Freshman High School,
Butler County
*Building empathy for food insecurity:
Contact or content?*

Caleb Gibson

Grade: 5 Team project
Rimer Community Learning Center,
Summit County
The Grow, Grow Fertilizer

Montgomery Gibson

Grade: 10 Individual project
McNicholas, Clermont County
*Vegetative Versus Seed
Propagation in Radishes*

Abhijot Gill

Grade: 6 Individual project
Zane Trace Middle School, Ross County
BYE BYE WATER

Gurkirat Gill

Grade: 6 Team project
Zane Trace Middle School, Ross County
Carbonation Station

Yazhini Gogulakrishnan

Grade: 7 Team project
Hyatts Middle School, Delaware County
*The Rate of Enzyme Activity When in
Different Water Temperatures*

Caleb George Gooch

Grade: 7 Individual project
East Richland Christian Schools,
Belmont County
*Compression Strength of Different Bambu
Lab Infill Patterns*

Charles Gooch

Grade: 9 Individual project
East Richland Christian Schools,
Belmont County
*Which Brand of Smartwatch is Most
Accurate in Measuring Heart Rate?*

Kaylin Gorey

Grade: 5 Individual project
St Ambrose, Cuyahoga County
*Battling Against Bad Breath and Build-up in
Dogs' Mouths*

Michael Gorey

Grade: 7 Team project
St Ambrose, Medina County
The Ultimate Tumbler Showdown

Gianna Gradwell

Grade: 8 Individual project
Holy Angels, Allen County
Making it Clear: Filtering Dirty Water

Vanessa Grafe

Grade: 8 Individual project
Steubenville Catholic Central High School,
Jefferson County
*What is the Correlation Between Reading
Speed and Reading Enjoyment?*

Eleanor Grau

Grade: 7 Individual project
Miller-South Visual Performing Arts,
Summit County
How Water Affects Sourdough

Jackson Gray

Grade: 8 Individual project
Miami East Junior High School,
Miami County
Beyond the Human Eye

Sai Saharsh Gudikandula

Grade: 9 Individual project
The University School - College Prep,
Cuyahoga County
*How Can Screen Time Affect Sleep and Can
Exercise Fix It?*

Vivian Guest

Grade: 8 Individual project
The Ridgewood School,
Clark County
Battle of the Beats

Pranathi Gundabolu

Grade: 10 Team project
Ottawa Hills High School,
Lucas County
*What is the relationship between river water
pH and air temperature?*

Aarush Gupta

Grade: 11 Individual project
Dublin Jerome High School,
Delaware County
*AI-Driven Analysis of Immunotherapy
Response Prediction in Clear Cell Renal
Cell Carcinoma*

Devaansh Gupta

Grade: 10 Individual project
The University School - College Prep,
Cuyahoga County
*Designing a Multivariable Hydrogen
Rocket Engine*

Nora Haas

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*How Many Photons Are Emitted From
Colors of Paper?*

Kara Hale

Grade: 11 Individual project
Miami East High School, Miami County
*Detecting Artificial Intelligence: AI vs.
Humans - Part II*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Nma Hama

Grade: 7 Individual project
Metro Early College Middle School,
Franklin County
*Which Everyday Eye Tools Are the Dirtiest
and How Can We Reduce
Bacterial Contamination?*

Sara Hamilton

Grade: 11 Individual project
Ottawa Hills High School, Lucas County
*Investigating if Effects of Cyanobacterial
Toxins on Cellular Respiration
are Immediate*

Emily Hamman

Grade: 5 Individual project
Chillicothe Intermediate School,
Ross County
*Does the air pressure in a basketball affects
you shooting percentage*

Allen Han

Grade: 6 Individual project
The Plains Intermediate School,
Athens County
Optimizing Chemical Rockets

Luke Hann

Grade: 7 Individual project
Our Lady Of Perpetual Help,
Franklin County
*Can an Authority Figure Make Someone
Question Their Own Memory ?*

Liam Hardman

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*Suppressing Particular Matter in Simulated
Swine Barns Through the Use of Fans*

Kayla Harrison

Grade: 11 Team project
Arcanum High School, Darke County
Is AI the Future of the Lottery?

Grace Healy

Grade: 8 Individual project
Saint Albert the Great, Cuyahoga County
*Nature's Filter; Using Natural Materials to
Improve the pH of Pond Water*

Sara Hefzy

Grade: 8 Team project
Toledo Islamic Academy, Lucas County
Trash Talk

Anna Helber

Grade: 9 Team project
Zane Trace Middle School, Ross County
Mother Nature's Tea Time

Annalee Herder

Grade: 5 Individual project
The Miami Valley School,
Montgomery County
How Does Neural Fluctuation Effect Horses

Elijah Herold

Grade: 7 Individual project
Walnut Hills, Hamilton County
*Edit Designing the H.E.L.P
System: the Hybrid Electronic Litter Picker*

Ziyah Hicklin

Grade: 5 Team project
Barber Community Learnig
Center, Summit County
Drought Effect on Nature

Lila Hillard

Grade: 5 Individual project
Big Walnut Intermediate School,
Delaware County
*Time to Test how to Test: The Method to
Perform Your Best*

Logan Hillyard

Grade: 8 Individual project
St Mary, Fairfield, Fairfield County
*How the pH of Water Impacts
Concrete Strength*

Claire Hogan

Grade: 5 Team project
Moreland Hills Elementary School,
Cuyahoga County
Skiing for Gold

Mackenzi Holmes

Grade: 7 Individual project
Litchfield Community Learning Center,
Summit County
What item in a school hosts more bacteria?

William Hope

Grade: 10 Team project
Dayton Regional STEM School,
Greene County
Temperature of Atmospheric Cold Plasma

Nikhil Hopkinson-Jain

Grade: 10 Individual project
Archbishop Carroll High School,
Montgomery County
*Optimizing Traffic Using
Real-Time Information*

Ava Hosta

Grade: 7 Individual project
St Columban, Clermont County
*Do Dancers Experience Less Vertigo
Than Non-dancers?*

Emma Hough

Grade: 10 Individual project
Buckeye Valley Local Middle School,
Delaware County
The Effect of Mycorrhizal on Soybeans

Norah House

Grade: 9 Individual project
Athens High School, Athens County
*Soybean tissue response to
Remediated Acid Mine Drainage*

Aaniyah Howard

Grade: 5 Team project
Seiberling Community Learning Center,
Summit County
Power Plants

Ariel Howard

Grade: 12 Team project
Bloom-Carroll High School,
Fairfield County
*How Does Fear of Re-injury Affect Athletic
Performance?*

Christopher Howard

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
*How Wetland and Prairie Ecosystems Filter
Common Water Pollutants: Heavy Metals,
Fertilizers, and Sediments*



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ROSTER OF STUDENT EXHIBITORS (CONT.)

Riley Howe

Grade: 5 Team project
Barber Community Learning Center,
Summit County
Drought Effect on Nature

Claire Huang

Grade: 11 Individual project
Solon High School, Cuyahoga County
Impact of KDM5B inhibitors on tumor immunosurveillance in triple negative breast cancer

Sophia Huang

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
How Does the Type of Plastic Cutting Board and the Method of Chopping Affect Microplastics Produced?

Darielle Hudson

Grade: 6 Individual project
Charity Adams Earley Girls Academy,
Montgomery County
Creamy Milk

Violet Hums

Grade: 7 Individual project
St Columban, Clermont County
What Impacts Plant Growth?

Braydan Hunter

Grade: 7 Individual project
Global Impact STEM Academy,
Clark County
Materials Shall be Burnt in a Flame and Timed, Seeing Which Burns Completely the Fastest.

Kelsie Huntwork

Grade: 8 Individual project
Liberty Union Middle School,
Fairfield County
Temperatures & Their Effect on the Pitch of a Wind Instrument

Anthonella Hurtado

Grade: 5 Team project
Educational Academy for Boys & Girls,
Franklin County
Which Treatments Affect Browning in Apples and Bananas Over Time

Elizabeth Iames

Grade: 7 Individual project
Miami East Junior High School,
Miami County
Stable Beats: What Music Helps Horses Relax the Most in Isolation

Gunjan Illindala

Grade: 6 Individual project
Olentangy Berlin Middle School,
Delaware County
Impact of Boat Designs on Buoyancy

Yahya Ince

Grade: 5 Individual project
The Miami Valley School,
Montgomery County
AquaSense: An Intelligent, Plant-Specific Irrigation System for Water Conservation

Haddon Ingram

Grade: 6 Individual project
Bloom-Carroll Middle School,
Fairfield County
Homopolar Motors

Anton Iskra

Grade: 11 Individual project
University School Hunting Valley campus,
Geauga County
Creating graphene hydrogels

Wafeeq Islam

Grade: 7 Team project
Jacob Coy Middle School, Greene County
Smart Archeological Artifact Conservation Box

Shriya Iyer

Grade: 8 Individual project
Birchwood School of Hawken,
Cuyahoga County
AI Allergic Reaction Severity Monitor

Ayat Jaffar

Grade: 11 Individual project
Hawken School, Lorain County
Optimizing Electron Transport in Organic Solar Cells using Self-Assembled Monolayers

Zainab Janjua

Grade: 6 Individual project
Cincinnati Classical Academy,
Hamilton County
Comparing Homemade And Store Bought Lotion On Teenage Skin

Dhriti Jayant

Grade: 7 Individual project
Columbia Middle School, Lorain County
Protecting Probiotics: How Buffer Foods Affect Curd Probiotics During Digestion

Avatarnandan Jayaprakash Narayanan

Grade: 9 Individual project
Solon High School, Cuyahoga County
Effects of Respiratory Proteins and Elemental Compounds on Short-term Oxygen Retention in Water

Youvens Jean

Grade: 12 Individual project
Horizon Science Academy Columbus,
Franklin County
Graphing Our School Spirit: The Horizon High Logo Challenge

Imani Jeffries

Grade: 11 Team project
Buchtel Community Learning Center,
Summit County
Diaper Dilemma

Daniel Jeon

Grade: 7 Team project
Perrysburg Junior High School,
Wood County
Slow and Steady wins the race

Lucy Johns

Grade: 10 Team project
Benjamin Logan High School,
Logan County
Slime Mold: Natural Problem Solvers

Cash Johnson

Grade: 6 Individual project
Fairfield Christian Academy,
Fairfield County
Golf balls

ROSTER OF STUDENT EXHIBITORS (CONT.)

Chance Johnson

Grade: 5 Team project
South Point Elementary School,
Lawrence County
Time To Fly

Harper Johnson

Grade: 5 Team project
South Point Elementary School,
Lawrence County
Time To Fly

Timothy Johnson

Grade: 8 Individual project
Butler Middle School, Darke County
Chicken Manure Doesn't Have To Stink

Aubrey Johnston

Grade: 8 Individual project
Zane Trace Middle School, Ross County
*Impact of Soil Texture on Sweetness of
Maple Sap*

Madeline Johnston

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*Investigating Ballet Slipper Dye
Color Durability*

Anaya Jolly

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*How Do Different Acidity Levels of Precipitation
Affect the Mass Loss of Limestone?*

Cai Jones

Grade: 6 Individual project
Ridgewood School, Clark County
*How Does Water Quality Affect
Duckweed Populations?*

Paige Jordan

Grade: 7 Team project
Clay High School, Scioto County
AI vs. Reality

Julieta Jordt

Grade: 10 Individual project
Archbishop Carroll High School,
Greene County
*Temporal Changes in Bacterial Levels
Within a School Environment*

Zoey Josey

Grade: 5 Team project
Seiberling Community Learning Center,
Summit County
Power Plants

Jeyffer Josph

Grade: 5 Team project
Educational Academy for Boys & Girls,
Franklin County
*Can Banana Peels Be Turned into
Biodegradable Plastic?*

Zeke Joy

Grade: 5 Team project
South Point Elementary School,
Lawrence County
Heart Pounding Fun

Darren Joyce

Grade: 7 Individual project
St Ambrose, Medina County
Don't Chicken Out on Cleaning

Grace Jung

Grade: 11 Individual project
Global Impact STEM Academy,
Champaign County
*Do the Concentrations of Glyphosate in
Honey Have Variability Based on
Geographic Location?*

Elin Jurkowitz

Grade: 8 Team project
St Columban School, Clermont County
Energy Drinks, Are They Worth the Hype?

Dorian Juvina

Grade: 5 Team project
The Miami Valley School,
Montgomery County
Saving Electric Cars with Smart Sensors

Nikita Kakade

Grade: 9 Individual project
Dayton Regional STEM School,
Greene County
*Low-Cost Autonomous Wheelchair Attachment
Designed with Self Driving Technologies
to Improve Mobility*

Rithvika Kamireddi

Grade: 6 Team project
Hull Prairie Intermediate School,
Wood County
*The Effects of Different Water Purification
Methods on Water*

Snigdha Kumar Kamireddi

Grade: 8 Team project
Perrysburg Junior High School,
Wood County
*Fruit Fight! Finding the Best Source of
Vitamin C*

Abhi Kancharla

Grade: 8 Individual project
Perrysburg Junior High School,
Wood County
*Tasting May Not Be Believing: The Break-
down of a Fruit's Flavor*

Samiyah Kane

Grade: 7 Individual project
Miller-South Visual Performing Arts,
Summit County
Music to My Ears

Jessica Kaneza

Grade: 10 Individual project
Archbishop Carroll High School,
Montgomery County
*Observing The Effect Of Different Body
Positions On The Reading Of
Blood Pressure*

So Eun Kang

Grade: 11 Individual project
Beachwood High School, Cuyahoga County
*Impact of Opioid Receptor Signaling on
CARD8 Expression in CD4+ T Cells*

Nimisha Kasliwal

Grade: 11 Individual project
Beachwood High School, Cuyahoga County
*Cytokines Associated with lncRNA BORG
Promote Invasion in Triple-Negative
Breast Cancer*

Teertha Sahasra Kattamuri

Grade: 8 Individual project
Perrysburg Junior High School,
Wood County
*Using Macroinvertebrates to Measure
Water Quality*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Vernika Kattamuri

Grade: 6 Team project
Hull Prairie Intermediate School,
Wood County
*The Effects of Different Water Purification
Methods on Water*

Eknoor Kaur

Grade: 11 Individual project
Dublin Coffman High School,
Franklin County
*Microbiomes on Cell Phones of
High Schoolers*

Japneet Kaur

Grade: 9 Individual project
Columbia Middle School, Lorain County
*Evaluating Curcuma longa as a Natural
Pesticide for Soybean Cultivation*

Emma Keller

Grade: 10 Individual project
Lehman High School, Auglaize County
*Numbers Without Screens: Math Skills
Around the World*

Kooper Kesling

Grade: 11 Individual project
Miami Valley Career Technology Center,
Montgomery County
*“Strengthen the body” the real difference
between blood flow restriction vs resistance
training*

Daniel Keucher

Grade: 7 Individual project
St Vincent De Paul, Knox County
Traction

Samarth Khandelwal

Grade: 11 Individual project
Walnut Hills High School, Butler County
*Relational Graph Convolutional Networks
for Glioblastoma Biomarker Discovery via
ceRNA Networks*

Mark Khramoy

Grade: 8 Team project
Ballard Brady Middle School,
Cuyahoga County
Making Waves

Ellen Kies

Grade: 6 Team project
Graham Middle School, Champaign County
*Taste With Your Eyes: Color's Influence on
White Chocolate Flavor Perception*

Claire Kilburn

Grade: 9 Individual project
Global Impact STEM Academy,
Clark County
*Effects of Cooking Oils on
Brownie Consistences*

Cyrus Kilburn

Grade: 7 Individual project
Global Impact STEM Academy,
Greene County
Which Ice Cream Melts the Fastest

Trenton King

Grade: 7 Individual project
East Richland Christian Schools,
Jefferson County
Natural Antacids VS Store Bought Antacids

Wyatt Kinman

Grade: 6 Individual project
Terrace Park Elementary, Hamilton County
You Want To Drink That?!

William Kinney

Grade: 7 Individual project
St Sebastian, Summit County
Swinging Science

Nevaeh Kirk

Grade: 12 Team project
Northwestern High School, Ashland County
*Analyzing Water Quality: Influences in
Developed Countries vs Less
Developed Countries*

Isaac Kistler

Grade: 8 Individual project
St Paul School, Franklin County
*The Effect of Seam Height on Travel
Distance of a Baseball*

Liam Kizer

Grade: 6 Team project
Graham Middle School, Champaign County
*How Does Caffeine Help In The Removal Of
Iron Oxide*

Eli Klimkowicz

Grade: 7 Individual project
St Peter, Lorain County
Do Video Games Make You Less Smart

Asher Klotz

Grade: 5 Individual project
East Richland Christian Schools,
Belmont County
Fishing Line Strength

Harper Knight

Grade: 7 Individual project
Global Impact STEM Academy,
Clark County
*Does a brand of volleyball affect
its buoyancy*

Svanik Hansh Kolli

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*How does temperature affect the activity of
enzymes when breaking down protein?*

Joshitha Kondapalli

Grade: 9 Individual project
Tippecanoe High School, Miami County
*A Comparative Study of Indoor Air Pollution
from Everyday Household Activities*

Ujval kondapalli

Grade: 6 Individual project
Tippecanoe Middle School, Miami County
*Couch to Cardio: What Happens to
your Heart?*

Jude Konecki

Grade: 9 Individual project
Valor Montessori, Montgomery County
*How Do Different Materials Affect The Sta-
bility Of A Roller Coaster Strucure*

Vijith Koneru

Grade: 11 Team project
University School, Cuyahoga County
*Utilizing Gut Microbiome Profiles Through
Machine Learning To Predict
Chemotherapy Toxicity*

Prem Koshal

Grade: 12 Individual project
Athens High School, Athens County
*Computational Inhibition of Lachrymatory
Factor Synthase Utilizing Molecular
Docking Simulations*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Caleb Kowalski

Grade: 9 Individual project
Put-In-Bay High School, Ottawa County
Downstream Reduction In Algae Growth By Cover Crop Type

Melanie Kranenburg

Grade: 11 Individual project
Anna High School, Shelby County
Loads of Laundry

Daria Kukharchuk

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
Efficiency of Toothpaste Active Ingredients

Chloe Kusmierczyk

Grade: 11 Individual project
Global Impact STEM Academy,
Clark County
How Does Blood Viscosity Affect Blood Flow

Vizcaya Labuda

Grade: 6 Individual project
Birchwood School of Hawken,
Cuyahoga County
Density of Casein Plastic From Different Milks

Twayne Lai

Grade: 12 Individual project
Ottawa Hills High School, Lucas County
Effect of Organic Hole Transport Material on CdTe Solar Cell

Nathaniel Laird

Grade: 7 Team project
Zane Trace Middle School, Ross County
Wax Wars

Anna Lamberti

Grade: 8 Individual project
St Rose, Wood County
Digital Distractions

Nora Lamm

Grade: 10 Individual project
Lehman High School, Auglaize County
An Analysis of the Effects of Different Mouthwashes on Oral Bacterial Growth and pH

Landon Landon

Grade: 11 Individual project
Miami Valley Career Technology Center,
Montgomery County
What will increase Speed & Agility over time, Plyometrics or Weight Training?

William Larion

Grade: 5 Individual project
St Ambrose, Medina County
What Stealthy Shapes Can Make An Aircraft Invisible To A Radar

Madison Leeth

Grade: 7 Team project
Zane Trace Middle School, Ross County
Glow Crazy With UV

Joshua Leis

Grade: 8 Individual project
Decolores Montessori School, Darke County
The strength of 3d printing

Maximilian Leshner

Grade: 7 Individual project
Tippecanoe Middle School, Miami County
Effect of Temperature on Sound Attenuation in Residential Construction

James Letts

Grade: 5 Individual project
Chillicothe Intermediate School,
Ross County
A Prototype System for Reducing Microplastics in the Soil

Samantha Li

Grade: 11 Individual project
Sylvania Northview High School,
Lucas County
Assessing the Applicability of a Hockey Stick Model when Predicting Harmful Algal Blooms and Trends

Emma Lieberg

Grade: 12 Individual project
Mentor High School, Lake County
Influence of Norms on Environmental Behavior and Correlation Between Age and Littering Tendencies

Abigail Lim

Grade: 10 Individual project
Athens High School, Athens County
Microplastics: Human Health Effects and Mitigation Strategies

Austin Lindesmith

Grade: 6 Individual project
St.Paul, Columbiana County
Soybeans: Rhizobia Inoculant versus Fertilizer

Clement Liu

Grade: 6 Team project
The Plains Intermediate School,
Athens County
Using Markov chain in baseball

Alaina Lockwood

Grade: 8 Individual project
Graham Middle School, Champaign County
Rethink Your Drink!

Charles Loftis

Grade: 7 Individual project
Our Lady Of Perpetual Help,
Pickaway County
Does Shooting Position Affect Shooting Percentage?

Owen Lombard

Grade: 5 Individual project
Solid Ground School, Athens County
ADHD In Girls and Women

Cruze Lones

Grade: 8 Individual project
New Lexington Middle School,
Perry County
How Do Microplastics in Soil Affect Plant Growth?

Dafne Lopez

Grade: 5 Team project
Educational Academy for Boys & Girls,
Franklin County
From Used Charcoal to Chalkboard: Can Waste Become a Writing Surface?

Carly Lotz

Grade: 5 Team project
Jackson Center High School, Shelby County
Ice, Ice Baby

ROSTER OF STUDENT EXHIBITORS (CONT.)

Athena Luke

Grade: 5 Individual project
Windemere Community Learning Center,
Summit County
How Does Color determine Flavor?

Marcy Luthman

Grade: 7 Individual project
Holy Rosary, Auglaize County
*How does the way of storing bananas affect
the speed of ripening*

Jocelyn Mack

Grade: 9 Individual project
Fairland High School, Lawrence County
Stress Intervention in ER Nurses

Shri Vardhan Madduri

Grade: 7 Individual project
Columbia Middle School, Lorain County
*Intelligence VS. EFFICIENCY: WHICH IS
BETTER FOR FARMING*

Zahir Mahmood

Grade: 11 Individual project
Ottawa Hills High School, Lucas County
*What Causes Megakaryocytes to
Form Proplatelets?*

Sammyullah Malik

Grade: 8 Team project
St Sebastian, Portage County
Timed Out

Declan Mann

Grade: 6 Individual project
Alliance Middle School, Stark County
The Shape of Speed

Mia Mao

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*How Can We Maximize The Amount Of
Vitamin C In Oranges By Using
Different Light?*

Kamryn Martin

Grade: 11 Team project
Arcanum high school, Darke County
Is AI the Future of the Lottery?

Paris Mason

Grade: 7 Individual project
National Inventors Hall of Fame School
Center for STEM, Summit County
*Does the Color Affect the Ability to
Remember Words?*

Alexander Masters

Grade: 9 Individual project
Bloom-Carroll High School,
Fairfield County
Beyond the Label

Molly Matthews

Grade: 7 Individual project
St Columban, Clermont County
*How Does the Amount of Salinity in Water
Affect the Strength of a Magnetic Field?*

Thaddeus Matulja

Grade: 6 Individual project
The Plains Intermediate School,
Athens County
Gamer Eyes

Elle Matusek

Grade: 7 Individual project
St Ambrose, Medina County
*Flash Fire in a Bottle: The Science
of Combustion*

Eli McCann

Grade: 7 Individual project
West Union High School, Adams County
*Decreasing the Inconvenience of Brushing
at School*

Savannah McConahay

Grade: 12 Team project
Northwestern High School, Wayne County
*Analyzing Water Quality: Influences in
Developed Countries vs Less
Developed Countries*

Tristane McDermott

Grade: 12 Individual project
Shaker Heights High School, Cuyahoga
County
*Scanning Electron Microscopy (SEM) of
Parhyale hawaiiensis Sensory Structures*

Amaya McFadden

Grade: 8 Team project
Solon Middle School, Cuyahoga County
*What Type of Paint Will Warp Paper
the Highest?*

Lucas McGinnis

Grade: 7 Individual project
Tippecanoe Middle School, Miami County
*What Effect do Common Dish Detergents
Have on the Conductivity of Water?*

Addellynn McIntosh

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*Does the Finish of Concrete Affect the Ice
Melt Rate Of Mock Flooring Surfaces?*

Gregory McMillen

Grade: 7 Team project
Jackson Memorial Middle School,
Stark County
Plastic Predators

Evan McWhorter

Grade: 7 Individual project
Global Impact STEM Academy,
Clark County
*The Effect of Different Sugars on the
Expansion and Density of Sugar Cookies*

Pranutosh Meda

Grade: 7 Individual project
Columbia Middle School, Lorain County
Air Quality

Joel Meeker

Grade: 6 Individual project
Bishop Flaget School, Ross County
*Will Chicken Litter Improve Cereal
Rye Growth?*

Sullivan Meneghetti

Grade: 10 Individual project
St Edward, Cuyahoga County
*Creating Sustainable Iron-Producing Aqueous
Electrolysis without using Lithium*

Tejas Menneni

Grade: 11 Individual project
New Albany, Franklin County
T2D Adipose Tissue Transcriptomic Analysis

ROSTER OF STUDENT EXHIBITORS (CONT.)

Isabella Mercer

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
*How do Different Types of Soil Affect the
Height of Microgreens?*

Dominic Messerly

Grade: 8 Individual project
St Mary, Fairfield, Fairfield County
Effect of 3D Print Speed on Strength

Avery Metcalf

Grade: 7 Individual project
Miller-South Visual Performing Arts,
Summit County
How Much do Skin Products Benefit?

Emersyn Mettler

Grade: 6 Team project
Zane Trace Middle School, Ross County
Carbonation Station

Faith Meyer

Grade: 10 Individual project
Patrick Henry High School, Henry County
*How Does Multitasking Affect Physical
Reaction Time*

Watson Meyer

Grade: 5 Individual project
John F. Kennedy Catholic Lower School,
Trumbull County
Testing Material Strengths

Emma Michael

Grade: 7 Individual project
Our Lady Of Perpetual Help,
Franklin County
*Hydroponics- The Great Growing
Debate: Water or Soil?*

Emma Michael

Grade: 11 Individual project
Put-In-Bay High School, Ottawa County
*The Effects of Sunscreen on the Survivability
of Daphnia Magna*

Amos Miller

Grade: 7 Individual project
East Richland Christian Schools,
Belmont County
*Cement Accelerator Effects on
Solidification Time*

Robert Miller

Grade: 6 Individual project
Western Brown High School, Brown County
*Would additives impact the boiling rate
of water*

Ruth Miller

Grade: 6 Individual project
East Richland Christian Schools,
Belmont County
*Dissolution of Different Types
of Acetaminophen*

Aden Minor

Grade: 7 Individual project
Zane Trace Middle School, Ross County
Soybean Saturation

Ancizar Mitchell

Grade: 6 Team project
Zane Trace Middle School, Ross County
Superior Grip Product?

Asal Mohammadi

Grade: 11 Individual project
Hawken School, Cuyahoga County
*Spray Now, Shake Later; The Paradox of
Pesticide Exposure and Parkinson's Disease*

Umar Mohammed

Grade: 7 Individual project
Toledo Islamic Academy, Lucas County
*Fiqh And The Future: Evaluating AI
Reliability In Islamic Law*

Audrey Molnar

Grade: 10 Individual project
Archbishop Carroll High school,
Montgomery County
*The Effect of Smoke on the Germination of
Triticum aestivum*

Jackson Moore

Grade: 11 Individual project
Bloom-Carroll High School,
Fairfield County
*Efficacy of Esophageal Injury Mitigation
Strategies for Coated Button Batteries*

Landon Moore

Grade: 9 Individual project
Bloom-Carroll High School,
Fairfield County
*How Does Moisture Affect Different Types of
Cattle Beddings?*

Yvonne Moore

Grade: 11 Individual project
Dublin Coffman High School,
Franklin County
*Effects of Fertilizer Application Method on
Nitrate Runoff and Daphnia
pulex Physiology*

Bella Morris

Grade: 8 Individual project
New Lexington Middle School,
Perry County
*What is the Effect of Toothpaste Brand on
Teeth-Whitening Power?*

Katherine Morris

Grade: 9 Individual project
Global Impact STEM Academy,
Clark County
*Flour/Sugar Type VS Texture, Density, &
Mold Growth in Cookies*

Casey Moy

Grade: 8 Individual project
Cincinnati Classical Academy,
Warren County
*Protection or Peril? Investigating
Sunscreen's Potential Impact on Skin Cells*

Meimei Moy

Grade: 6 Team project
Cincinnati Classical Academy,
Warren County
*Trash to Treasure: One-Step Combustion
Synthesis of Carbon Dots for
Sensing Applications*

Anuki Mudalige

Grade: 10 Individual project
Olentangy Orange High School,
Delaware County
*Sensora: A Wearable AI-Powered Sound
Detection and Alert System for Enhanced
Environmental Awareness*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Nathan Mulholland

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
How Does Temperature Affect the Usable Capacity of Batteries?

Julia Naguit

Grade: 10 Individual project
Archbishop Carroll High School,
Montgomery County
Using Fungi to Break Down Textile Waste

Aisha Nair

Grade: 5 Individual project
L. T. Ball Intermediate School,
Miami County
Impact of thermal conductivity and sensory perceptions on winter wear selection

Tharun Nambi

Grade: 11 Team project
Olentangy Orange High School,
Delaware County
SCENT: A Breath-Based Volatile Organic Compound (VOC) Analyzer for Early Disease Detection

Ronith Nammi

Grade: 9 Team project
Dublin Jerome High School,
Franklin County
Open-Container Kinetic Model

Michael Nannarone

Grade: 9 Individual project
Urbana High School, Champaign County
The Science of Music

Andrysmar Narvaez

Grade: 5 Team project
Educational Academy for Boys & Girls,
Franklin County
Can Banana Peels Be Turned into Biodegradable Plastic?

Dahlia Natale

Grade: 5 Individual project
John F. Kennedy Catholic Lower School,
Trumbull County
How Crossing an Agonic Line Affects Cross-Track Error

Harley Neal

Grade: 9 Individual project
Xenia High School, Greene County
Shampoo Showdown: Protecting Pigments

Jacob Neiding

Grade: 10 Individual project
West Geauga High School, Geauga County
Micromouse Robot

Preetham Nekkanti

Grade: 9 Team project
William Mason High School, Warren County
Aerodynamic Invisibility

Adelaide Nelson

Grade: 11 Individual project
Miami Valley Career Technology Center,
Montgomery County
Effects of Menstrual Cycle Phase and Warm-Up Type on Rowing Performance

Liam Nelson

Grade: 8 Individual project
Jackson Memorial Middle School,
Stark County
Which Winglet Supports The Most Mass

Skylar Nettle

Grade: 7 Individual project
Canton Country Day School, Stark County
What Color Of Paint Stains The Least

Skylar Ngwa

Grade: 8 Individual project
Bishop Leibold E And W Campus,
Montgomery County
This or That

Haadi Nouman

Grade: 7 Individual project
Birchwood School of Hawken,
Cuyahoga County
Can ferrofluids be a suitable method to remove microplastics from water?

Evelyn Nowak

Grade: 7 Individual project
Incarnate Word Academy, Cuyahoga County
Does Peppermint Consumption Improve Reaction Time?

Theodore Nunemaker

Grade: 7 Individual project
Athens Middle School, Athens County
Paper Towel Dryer

Maria Nunney

Grade: 7 Team project
Holy Trinity School, Lorain County
Soybeans in a Steamy Situation

Lola Nussbaum

Grade: 10 Individual project
Dalton High School, Wayne County
16S rRNA Sequencing and Antibiotic Resistance Characterization of Gram-Negative Bacteria from Local

Nana Adwoa Nyarko-Krampah

Grade: 6 Team project
The Plains Intermediate School,
Athens County
Breaking the Rainbow

Avery Obringer

Grade: 6 Individual project
St Charles Borromeo, Montgomery County
Koolest Koozie

Philomena Odonkor

Grade: 7 Individual project
St Vincent de Paul School, Knox County
Hygienics

Ana Oliver

Grade: 5 Individual project
Unio Elementary, Ross County
Which Sweetener is Sweetest?

Josie Oliver

Grade: 6 Team project
Zane Trace Middle School, Ross County
Memory Retention

Matias Oliver

Grade: 5 Individual project
Unio Elementary, Ross County
What Materials Block RFID Signals?

Nathan Olmstead

Grade: 9 Individual project
Archbishop Carroll High School,
Montgomery County
Scaling of a Cessna 172 Skyhawk Wing

Bell Ong

Grade: 5 Team project
Portage Path Community Learning Center,
Summit County
Do Aerodynamics Affect How Fast a Car Without a Motor Will Go?

ROSTER OF STUDENT EXHIBITORS (CONT.)

Brianna Ortiz

Grade: 5 Team project
Educational Academy for Boys & Girls,
Franklin County
*Which Treatments Affect Browning in Apples
and Bananas Over Time*

Faye Osborne

Grade: 11 Individual project
Miami Valley Career Technology Center,
Montgomery County
*Knees Over Toes: The Impact of Neuro-
muscular Training on Female Athletes to
Prevent ACL Risk factors*

Anisa Osman

Grade: 5 Team project
Cesar Chavez College Preparatory School,
Franklin County
*The The Great Drift :How the canopy
geometry affects your descent.*

Will Owens

Grade: 7 Individual project
St Columban, Clermont County
Dimple Dilemma

Ruby Oxier

Grade: 5 Team project
Rimer Community Learning Center,
Summit County
The Grow, Grow Fertilizer

Gauri Pandav

Grade: 8 Individual project
Perrysburg Junior High School,
Wood County
*Unlocking Your Brain Power: How Knowing
Your Left, Right, or Both-Brained Style Can
Shape Your Futur*

Braden Pannell

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*How Do Plants Affect the Amount of
Soil Eroded?*

Maxwell Parana

Grade: 7 Individual project
Miller-South Visual Performing Arts,
Summit County
Rational Fears at Different Ages

Samhita Paranthaman

Grade: 10 Individual project
William Mason High School, Warren County
*An Innovative Dual-Stage Nopal
Cactus-Charcoal System for HAB Control
and Microcystin Removal*

Sungjoo Park

Grade: 10 Team project
Ottawa Hills High School, Lucas County
The Effect of Soil Temperature on Soil pH

Jackson Parsons

Grade: 7 Individual project
East Richland Christian School,
Belmont County
*The Effects of Different Fertilizers on
Soybean Plant Growth*

Jett Parsons

Grade: 5 Individual project
East Richland Christian Schools,
Belmont County
*Does More Air Mean More Bounce?
The Effects of Different PSI Amounts on
Basketball Bounce Height*

Aaryan Patel

Grade: 10 Individual project
The University School - College Prep,
Cuyahoga County
*Random Forest Classification of Risk Levels
and Predictors of Harmful Algal Blooms in
Lake Erie*

Aryan Patel

Grade: 10 Individual project
The University School - College Prep,
Summit County
*Quantifying CNN Bias in Melanoma
Detection: Fairness Across Skin Tones*

Haley Patel

Grade: 10 Individual project
Centerville High School,
Montgomery County
*Spatiotemporal Deep Learning Model for
fNIRS Hemodynamic Cortical Mapping for
Cerebral Ischemic Risk*

Jaanvi Patel

Grade: 5 Individual project
Laurel School, Cuyahoga County
*Which Household Disinfectant Spray Kills
Bacteria on Kitchen Counters?*

Jash Patel

Grade: 9 Individual project
The CinDay Academy, Warren County
Turning the Tide on Plastic

Keeran Patel

Grade: 11 Individual project
Springboro High School, Warren County
*Exploring the Limits of Perturbation Theory
for TESLA RF Cavities*

Kush Patel

Grade: 7 Individual project
Wheelersburg Middle School, Scioto County
Can shape affect flexibility of 3D prints?

Veera Patel

Grade: 6 Individual project
Ridgewood School, Clark County
*Do Name Brands or Generic Brands Have
More Unpopped Kernels at the Bottom of*

Emily Pavlik

Grade: 6 Individual project
St Raphael, Cuyahoga County
"A" is for Apples

Allison Payton

Grade: 12 Individual project
Zane Trace High School, Ross County
Water Bottles and Microplastics

Koa Pedretti

Grade: 5 Individual project
National Inventors Hall of Fame School
Center for STEM, Summit County
*Which doorknob will have the smallest
bacteria colony?*

Myla Pennel

Grade: 11 Individual project
Horizon Science Academy Columbus,
Franklin County
*Tap vs type: Which device holds more
germs?*

Gwyneth Percy

Grade: 5 Individual project
Burlington Elementary School,
Lawrence County
Human Powered Energy.

ROSTER OF STUDENT EXHIBITORS (CONT.)

Kendall Peters

Grade: 7 Individual project
Covington Middle School, Miami County
The Dirt on Popcorn: Finding the Perfect Ground

Samuel Pickerrell

Grade: 7 Individual project
Bishop Leibold E And W Campus,
Montgomery County
Planetary Landers

Shivani Pindiprolu

Grade: 10 Individual project
Ottawa Hills High School, Lucas County
Examining the Effects of Question Difficulty Order on the Performance Among High School Students

Ananda Pipatpongpinoy

Grade: 6 Individual project
St Mary Immaculate Conception,
Wayne County
Lighting Up Plants

Ananya Pise

Grade: 11 Individual project
Olentangy Liberty High School,
Delaware County
Impact of RAGE Inhibition on A β -Mediated MMP-9 Expression and BBB Dysfunction in Alzheimer's Disease

Jean Pitman

Grade: 9 Individual project
Arcanum-Butler local schools,
Darke County
Voices Within: Exploring Auditory Hallucinations of Schizophrenia.

May Popiel

Grade: 7 Team project
Holy Trinity School, Lorain County
Soybeans in a Steamy Situation

Brantley Porterfield

Grade: 5 Individual project
East Richland Christian Schools,
Belmont County
Electromagnet Strength

Iyana Portis

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
Comparing Vitamin C Concentrations in Microgreens and Mature Plants

Akhilesh Potakamuri

Grade: 9 Team project
The University School - College Prep,
Cuyahoga County
Utilizing Gut Microbiome Profiles Through Machine Learning To Predict Chemotherapy Toxicity

Frederick Powell

Grade: 9 Individual project
Global Impact STEM Academy, Clark County
An Analysis of Protein Levels in Three Different Brands of Goldfish Feed.

Jenica Powell

Grade: 6 Individual project
Zane Trace Middle School, Ross County
Glam or Grime?

Alanna Powers

Grade: 7 Individual project
Miller-South Visual Performing Arts,
Summit County
Is Social Media Boosting or Breaking a Girls self esteem?

Evelyn Powers

Grade: 6 Individual project
Solid Ground School, Athens County
Frosty Feeders

Dhruv Prasanna

Grade: 9 Team project
Coffman High school, Franklin County
Experimental Analysis of Oblique Wing Aerodynamics in Subsonic Flow

Cooper Price

Grade: 11 Individual project
Bloom-Carroll High School, Fairfield County
How the Material of a Saxophone Mouthpiece Affects its Sound.

Soham Priyadarshree

Grade: 9 Team project
William Mason High School, Warren County
Aerodynamic Invisibility

John Prochaska

Grade: 7 Individual project
Zane Trace Middle School, Ross County
Electric Soybeans

David Prosko

Grade: 6 Individual project
St Paul, Columbiana, Columbiana County
Tracking the Trackers

Soham Purkar

Grade: 7 Individual project
New Albany Middle School,
Franklin County
Step into the Future of Energy Independence

Samarth Puthuraya

Grade: 10 Individual project
University School, Cuyahoga County
Evaluating Topical Capsaicin as a Treatment for CHS in Adolescents

Yessenia Quintana-Mendez

Grade: 5 Team project
Helen Arnold Community Learning Center,
Summit County
Gear ration

Eston Radic

Grade: 12 Individual project
Gahanna Lincoln High School - OLS,
Franklin County
Effects of Microplastics on Grass and Moss Varieties

Mahayra Rai

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
Effect of Tuning Capacitance on Resonance Frequency

Misha Rajan

Grade: 9 Individual project
William Mason High School, Warren County
Evaluating the Mechanical Strength and Sustainability of Algae-Based, Biocomposite Plastics

ROSTER OF STUDENT EXHIBITORS (CONT.)

Srinidhi Rajaraman

Grade: 8 Individual project
Mason Middle School, Warren County
The Sugar Slowdown - Modeling The Impact of Transport Efficiency on Hyperglycemia.

Saanvi Ramachandran

Grade: 9 Individual project
William Mason High School, Warren County
Contaminated to Clean

Medha Ramaswamy

Grade: 12 Individual project
Sylvania Southview High School, Lucas County
Assessing Ferroptotic Cell Death and Rescue Using a pH Corrected and Sensitivity-enhanced XTT assay

Stone Rambert

Grade: 11 Individual project
University School, Cuyahoga County
Higher Apogee by Mixing Motor Grains

Diego Ramos

Grade: 5 Team project
Educational Academy for Boys & Girls, Franklin County
From Used Charcoal to Chalkboard: Can Waste Become a Writing Surface?

William Raney

Grade: 7 Individual project
St Vincent De Paul, Knox County
Bacteria

Shayna Rangaya

Grade: 8 Individual project
St Raphael, Cuyahoga County
The Pain Pill Prognosis

Rosemary Raster

Grade: 6 Individual project
Global Impact STEM Academy, Clark County
Goldfish Buffet: Which Type of Food Do Goldfish Prefer?

Arit Ray

Grade: 7 Individual project
Mason Middle School, Warren County
Is Ferrofluid-Oil Based Separation Method of Microplastic Efficient?

Leo Rayfield

Grade: 8 Individual project
St Patrick of Heatherdowns, Lucas County
The Spice Test

Callahan Reese

Grade: 7 Individual project
St Columban, Clermont County
Are You Dyeing to Get the Artificial Red Out?

Henry Riedy

Grade: 5 Individual project
Big Walnut Intermediate School, Delaware County
Striking Science: How Drumstick Density Impacts Sound Pressure Level

Emily Riehle

Grade: 7 Individual project
Tippecanoe Middle School, Miami County
Click, Release, Learn: Unlocking Equine Learning and Behavior

Chloe Rieman

Grade: 8 Individual project
Butler Middle School, Darke County
Can you really trust your eyes?

Griffin Rigney

Grade: 7 Individual project
All Saints, Hamilton County
Testing the limits of the gauss cannon

Orion Rigsby

Grade: 8 Individual project
Global Impact STEM Academy, Champaign County
The Effects of Simulated Martian Light on Cherry Belle Radish Growth

Lynda N Rivas

Grade: 5 Team project
Educational Academy for Boys & Girls, Franklin County
Which Treatments Affect Browning in Apples and Bananas Over Time

Arhem Rizvi

Grade: 8 Individual project
Ridgewood School, Clark County
The Race To Relief

Crosby Robinson

Grade: 7 Team project
Perrysburg Junior High School, Wood County
Shoe Odor Science: Best way to remove bad smells

Elena Robinson

Grade: 5 Individual project
East Richland Christian Schools, Belmont County
Yarn Tensile Strength

Wyatt Robinson

Grade: 8 Individual project
Global Impact STEM Academy, Clark County
Do Differing Marinade Bases, Oil and Acid, Effect the Bite Force Readings of Chicken Breast?

Alice Rogers

Grade: 8 Team project
Graham Middle School, Union County
Don't Get Burned!: An Experiment on the Sunscreens We Use

Jase Rogers

Grade: 6 Team project
Graham Middle School, Champaign County
How Does Caffeine Help In The Removal Of Iron Oxide

Gianna Rohl

Grade: 7 Individual project
St Peter's Middle and High School, Richland County
Which is More Resistant to Cold, Tardigrada or Deinococcus radiophilus?

LeAndre Rollin

Grade: 5 Team project
Portage Path Community Learning Center, Summit County
Do Aerodynamics Affect How Fast a Car Without a Motor Will Go?

Sofia Royer

Grade: 8 Individual project
Decolores Montessori School, Darke County
The Impact of Music on Student Concentration

ROSTER OF STUDENT EXHIBITORS (CONT.)

Anna Rud

Grade: 6 Individual project
Edwin H. Greene Intermediate School,
Hamilton County
How sensors react under stress

Mailyne Rudnicki

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
*Simulating Leaf Litter in a Street Gutter to
Determine the Effect on Nutrients
in Stormwater*

Hazel Ruprecht

Grade: 7 Individual project
St Vincent De Paul, Knox County
High Oleic Soybeans

Benjamin Rush

Grade: 7 Individual project
Ada High School, Hardin County
Shin Protectors

William Ryai

Grade: 5 Individual project
St Ambrose, Medina County
Which Candy is Best?

Pranavi Sahoo

Grade: 10 Individual project
Dublin Coffman High School,
Franklin County
*Ferrofluid: A Sustainable Approach to
Microplastic Removal from Water*

Gulhanim Salamova

Grade: 7 Individual project
Dayton Islamic School, Greene County
The Infamous Slime

Srishti Salian

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*Which Flocculation Method Removes The
Most Total Dissolved Solids In
Contaminated Water?*

Loxley Salmons

Grade: 8 Individual project
Ashland Christian, Ashland County
*Does Caffeine or Capsaicin Decrease Your
Reaction Time More?*

Hannah Salyers

Grade: 8 Individual project
Global Impact STEM Academy,
Clark County
*Do Marinades Have an Effect on the
Digestible Protein Levels of Chicken?*

Grace Sanogo

Grade: 10 Individual project
Archbishop Alter, Montgomery County
*The Effect of Infrared Light, Red Light, and
UV-C Light on Bacteria
Rhodospirillum Rubrum*

Arnob Sarker

Grade: 7 Team project
Magsig Middle School,
Montgomery County
*Smart Archeological Artifact
Conservation Box*

Katelyn Schantz

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
*Quantifying Detectable Gluten on
Non-Porous Versus Porous Surfaces*

Anna Schmitt

Grade: 11 Individual project
Archbishop Carroll High School,
Warren County
*The Connection Between Music Training
and Cognitive Ability and Memory*

Molly Schmitt

Grade: 6 Individual project
Cincinnati Classical Academy,
Warren County
Building an Automatic Dog Food Dispenser

James Schmitz

Grade: 8 Individual project
St Columban, Clermont County
*From Farm to Footwear: Do Soybean Based
Soles Improve Durability?*

Ben Schnettler

Grade: 8 Individual project
St Columban, Clermont County
*Can a Soy Foam Fire Extinguisher Con-
trol a Fire Better than a Traditional Fire
Extinguisher*

Alexis Schnitzler

Grade: 10 Individual project
Global Impact STEM Academy,
Union County
Assessing Technology Use on Farms in Ohio

Patrick Schulze

Grade: 7 Individual project
Sacred Heart Of Jesus, Stark County
*9mm vs 45ACP: Which Has More Penetra-
tion Power?*

Sam Scott

Grade: 6 Team project
Jackson Center High School, Shelby County
Effect of Fertilizer on Tomato Plants

Thomas Joseph See

Grade: 8 Individual project
Incarnation, Warren County
Spice Science

Friedrich Seifried

Grade: 5 Individual project
St Mary Immaculate Conception,
Wayne County
The Fishbowl Fishing Detector

David Seigar

Grade: 11 Individual project
Ottawa Hills High School, Lucas County
*Design of Safer Opioids Through CO2
Modification of Diamines*

Rithvan Senthil

Grade: 9 Team project
Jerome High School, Union County
*Experimental Analysis of Oblique Wing
Aerodynamics in Subsonic Flow*

Diya Senthil

Grade: 8 Individual project
Walnut Hills High School, Warren County
*Optimizing the Timing of Quercetin
Treatment to Protect Saccharomyces Cerevi-
siae from Sodium Nitrite*

Colton Settlemire

Grade: 8 Team project
St Columban, Clermont County
Energy Drinks, Are They Worth the Hype?

ROSTER OF STUDENT EXHIBITORS (CONT.)

Meera Shah

Grade: 5 Individual project
The Miami Valley School,
Montgomery County
Testing Sunscreen Strength

Farida Shahata

Grade: 12 Individual project
Mentor High School, Lake County
*Impact of Hysterectomies and Cesarean
Sections on Reproductive Identity Loss*

Hrishikesh Shanmuganathan

Grade: 11 Individual project
Dublin Jerome High School, Union County
A Mathematical Analysis of Intuition

Kobey Shanton

Grade: 7 Individual project
Zane Trace Middle School, Ross County
Stay Warm Stay Solar

Dennis Sharek

Grade: 6 Individual project
Shanahan Middle School, Delaware County
*Differences in Color Perception Between
Boys and Girls*

Jacob Shearer

Grade: 5 Individual project
Northwestern Elementary School,
Ashland County
The Light Refraction Investigation

Kylie Sheehan

Grade: 12 Individual project
Mentor High School, Lake County
*Analyzing the Effect of Various Antibacterial
Products on S. mutan Adherence to
Flowable Composite*

Marley Sheehan

Grade: 11 Individual project
Bloom-Carroll High School,
Fairfield County
*Effects of Acute Stress on Social Behavior
(specifically motivation driven) in
Drosophila Melanoga*

Olivia Shin

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
*Development of a Personalized Antibiotic
Selection Kit*

Cora Shindollar

Grade: 6 Individual project
St Mary Immaculate Conception,
Wayne County
Mind Mix-up

Zakarias Shishehbor

Grade: 11 Individual project
Hawken School, Cuyahoga County
*Astrocyte Activation and Cognitive Decline
Following Chronic PM2.5 Exposure in
aging mice*

Kennedy Shively

Grade: 8 Team project
Covington Middle School, Miami County
Fire Prevention and Clean Up

Lilly Shouse

Grade: 7 Individual project
St Columban, Clermont County
*The Respiration Rate Of Sugar vs
Man-Made Sugar*

Amy Shu

Grade: 6 Team project
Cincinnati Classical Academy,
Warren County
*Trash to Treasure: One-Step Combustion
Synthesis of Carbon Dots for
Sensing Applications*

William Shuman

Grade: 7 Individual project
St Mary, Fairfield, Fairfield County
How Surfactants Affect Water Absorption

Raina Sikkenga

Grade: 8 Individual project
Ashland Christian, Ashland County
*Are Teenagers Susceptible to Informational
Peer Pressure?*

Hannah Sisco

Grade: 10 Team project
Dayton Regional STEM School,
Greene County
Temperature of Atmospheric Cold Plasma

Anvita Sista

Grade: 8 Individual project
Perrysburg Junior High School, Wood
County
*The Effect of Electricity on pH in
Salt Solutions*

Prahalyaraksha Sitaram

Grade: 11 Individual project
Olentangy High School, Delaware County
*Evaluating a CLEM Workflow on Resin-Em-
bedded Sections in Cardiac Tissue
using segmentation*

Saatvik Sivaguru

Grade: 6 Individual project
Ottawa Hills Local School District,
Lucas County
Certainty of the Uncertainty Principle

Logan Six

Grade: 8 Individual project
Immaculate Heart Of Mary, Summit County
*Stain Warz- Effectiveness of Oxiclean vs.
Generic Stain Remover*

Arya Skomrock

Grade: 5 Individual project
Chillicothe Intermediate School,
Ross County
*Can finger splints be improved with
3D printing?*

Blake Smith

Grade: 7 Individual project
St Ambrose, Medina County
*The Ball & The Bounce Does the Material of
a Ball Affect How High it Bounces?*

Garrett Smith

Grade: 5 Individual project
St Ambrose, Medina County
To Spin Or Not To Spin

Gwendolyn Smith

Grade: 10 Individual project
Benjamin Logan High School,
Logan County
*The Effect Of Yeast Cell Concentration On
Bread Dough Rise*

Kelsee Smith

Grade: 12 Team project
Northwestern High School, Wayne County
*Analyzing Water Quality: Influences in
Developed Countries vs Less
Developed Countries*

ROSTER OF STUDENT EXHIBITORS (CONT.)

Kenton Smith

Grade: 9 Individual project
Upper Arlington High School,
Franklin County
*High school student perception of cannabis
in different forms.*

Aodhan Smyth

Grade: 7 Individual project
St Francis Xavier, Wayne County
*Microbiome Mayhem: When Good Germs
Meet Antibiotics*

Avary Snowden

Grade: 11 Individual project
Global Impact STEM Academy,
Clark County
*Impact of *Epipremnum Aureum* on Root
Growth of Plants During Propagation*

Aviraj Soin

Grade: 11 Team project
Yellow Springs High School,
Montgomery County
*Designing a Pharmaceutical Matrix to Allow
for Timed Released Delivery of Medications*

Dhilen Soin

Grade: 10 Team project
Yellow Springs High School,
Montgomery County
*Designing a Pharmaceutical Matrix to Allow
for Timed Released Delivery of Medications*

Hanyu Song

Grade: 10 Individual project
Ashland High School, Ashland County
*Evaluating Homemade Alternatives to
Reduce Long-Lasting Plastic Pollution*

Jordyn Spangler

Grade: 5 Team project
Barber Community Learning Center,
Summit County
Drought Effect on Nature

Sam Specht

Grade: 5 Team project
Portage Path Community Learning Center,
Summit County
*Do Aerodynamics Affect How Fast a Car
Without a Motor Will Go?*

Lucian Speelman

Grade: 6 Individual project
Holy Rosary, Auglaize County
To Bounce Or Not To Bounce?

Nevaeh Spencer

Grade: 8 Individual project
New Lexington Middle School,
Perry County
Which Treat Do Horses Choose Most Often?

Alex Spohler

Grade: 9 Individual project
Global Impact STEM Academy,
Madison County
*The Impact of Replacing Ferric Ammonium
Citrate with Copper Ammonia Citrate in
Cyanotype Paper.*

Krishna Sridhar

Grade: 7 Individual project
Perrysburg Junior High School,
Wood County
Vortex Waste Collection

Sarang Srikanth

Grade: 10 Individual project
William Mason High School, Warren County
*QSkites: Advancing Renewable Energy via
Graphene Quantum Dot-Based Perovskite
Solar Cells*

Shruti Srinivasan

Grade: 7 Individual project
Mason Middle School, Warren County
*A Comparison of Low-Cost Fabric
Filtration Methods for Microplastics Removal
from Water*

Sadie Stauffer

Grade: 6 Team project
Zane Trace Middle School, Ross County
Memory Retention

Victoria Steele

Grade: 8 Individual project
St Paul School, Franklin County
*To Cold To Fly- How temperature affects
bat activity*

Elin Stein

Grade: 6 Individual project
St Vincent De Paul, Knox County
Toothpaste

Douglas Stephens

Grade: 10 Individual project
The University School - College Prep,
Cuyahoga County
*Antigen's ability to predict response to PC7
drug treatment in ALS mice with the
C9orf72 gene*

Essalynn Stevenson

Grade: 7 Individual project
St Francis Xavier, Medina County
What's Your Voice Range?

Kaelin Steward

Grade: 12 Individual project
Upper Valley Career Center, Miami County
Let's Get Grippy

Magdalene Stewart

Grade: 9 Individual project
St Mary, Fairfield, Fairfield County
*Hand Gesture Recognition For Human
Machine Interface!*

Brady Stierwalt

Grade: 9 Individual project
Bowling Green High School, Wood County
*The effects of food matrices on
probiotic viability*

Kayla Stine

Grade: 9 Individual project
Jackson High School, Stark County
*High SPF, Low Shine: Formulating a
Better Sunscreen*

Roston Stiver

Grade: 7 Individual project
Zane Trace Middle School, Ross County
Isn't That "Spatial"?

Gracie Stoltz

Grade: 8 Individual project
New Lexington Middle School, Perry
County
*Does a Dance-Through or Whole Routine
Cause a Gymnast's Heart Rate to Rise
More?*

Ella Stoodt

Grade: 10 Team project
Benjamin Logan High School, Logan
County
Slime Mold: Natural Problem Solvers

ROSTER OF STUDENT EXHIBITORS (CONT.)

Michael Stoughton

Grade: 7 Individual project
Our Lady Of Perpetual Help,
Franklin County
*Does Playing Games Reduce the
Sensation of Pain?*

Rachel Strait

Grade: 10 Individual project
Archbishop Alter, Montgomery County
*The Effects of Road Textures On Tire
Wear Particles*

Nicolette Streicher

Grade: 8 Individual project
Incarnate Word Academy, Cuyahoga County
*How do different slow feeders affect how
dogs eat?*

Willam Striebel

Grade: 8 Individual project
Bishop Leibold E And W Campus,
Montgomery County
Cellular Sunburn

Titus Stump

Grade: 5 Individual project
Solid Ground School, Athens County
Estimating The Age Of The Universe

Diya Sukala

Grade: 8 Team project
Perrysburg Junior High School,
Wood County
*Fruit Fight! Finding the Best Source of
Vitamin C*

Henry Sun

Grade: 11 Individual project
Ottawa Hills High School, Lucas County
*AI-Assisted Driver Situational Awareness
for Improved Traffic Flow at High Density
Intersections*

Harsith Sundara Pandiyan

Grade: 10 Individual project
Solon High School, Cuyahoga County
*Predicting the fatigue: A Multimodal System
for Cognitive Fatigue Prevention*

Ravindra Sunkara

Grade: 11 Individual project
Olentangy Orange High School,
Delaware County
*Low-Level Chondrocyte Ablation Induces
Basal Cell Activation While Preserving
Ciliated Cell Coverage*

Satvik Surapaneni

Grade: 11 Team project
Olentangy High School, Delaware County
*NeuroScan AI: Brain MRI Segmentation for
Workflow Support*

Edith Swingle

Grade: 8 Individual project
Ridgewood School, Clark County
*Does Blue Food Dye Affect Chocolate
Chip Cookies?*

Finn Swope

Grade: 7 Individual project
Steubenville Catholic Central High School,
Jefferson County
*Does Breastmilk, Formula, Raw Milk, or
Whole Pasteurized Milk have
Antimicrobial Properties?*

Alex Szewc

Grade: 7 Individual project
All Saints, Hamilton County
How Does Weight Affect Speed?

Jana Taleb

Grade: 8 Team project
Toledo Islamic Academy, Lucas County
Trash Talk

Sydra Taleb

Grade: 6 Team project
Toledo Islamic Academy, Lucas County
*Petri Dishes and Pollutants: Uncover What's
Lurking in Your Water*

Aariz Tanvir

Grade: 6 Team project
Herman K Ankeney Middle School,
Greene County
*Smart Archeological Artifact
Conservation Box*

Oliver Taylor

Grade: 6 Individual project
Ridgewood School, Clark County
Fruit flies and their addiction

Adrienne Teevan

Grade: 8 Individual project
Ashland Christian, Ashland County
*Do those with autism have better memory
recall than those who are neurotypical?*

Joseph Tekulve

Grade: 8 Individual project
St Columban, Clermont County
*Which 'kids at play' sign is the
most effective.*

Maquaila Thomas

Grade: 10 Team project
Buchtel Community Learning Center,
Summit County
Diaper Dilemma

Avery Thompson

Grade: 8 Individual project
St Columban, Clermont County
What antacid works best

Coral Thompson

Grade: 9 Team project
Ottawa Hills High School, Lucas County
*Which Water Filter Works the Best: Gravel,
Sand, or Charcoal?*

Junah Tingley

Grade: 11 Individual project
Benjamin Logan High School,
Logan County
*Antibacterial Properties of Central Ohio
Woodland Flora*

Thomas Tompkins

Grade: 12 Individual project
Miami Valley Career Technology Center,
Miami County
*Bacterial Antibiotic Immunity's Effects on
Viral Resistance*

Aidan Tong

Grade: 8 Team project
Ballard Brady Middle School,
Cuyahoga County
Making Waves

Ava Tong

Grade: 5 Team project
Moreland Hills Elementary School,
Cuyahoga County
Skiing for Gold

ROSTER OF STUDENT EXHIBITORS (CONT.)

Nicole Toon

Grade: 5 Team project
L. T. Ball Intermediate School,
Miami County
*The Effect of Launch Angle on Rocket
Launch Distance*

Jack Tran

Grade: 7 Team project
Perrysburg Junior High School,
Wood County
Slow and Steady wins the race

Jack Tremblay

Grade: 10 Team project
Ottawa Hills High School, Lucas County
The Effect of Soil Temperature on Soil pH

Albert Tsai

Grade: 7 Team project
Perrysburg Junior High School,
Wood County
Slow and Steady wins the race

Serena Tu

Grade: 11 Individual project
William Mason High School, Warren County
*Comparative Proteomic Analysis of Engi-
neered Clostridium for Butanol Production*

Fatmata Turay

Grade: 11 Individual project
Horizon Science Academy Columbus,
Franklin County
*How Does Salt Concentration Affect
Lettuce Seeds*

Naomi Turner

Grade: 7 Team project
Zane Trace Middle School, Ross County
*Moisturizer Madness: Gel, Cream,
Or Lotion.*

Maya Uchino-Garcia

Grade: 11 Individual project
Beaumont School, Cuyahoga County
*Winter Nutrient Loading in the Cuyahoga
River: Implications for Lake
Erie Eutrophication*

Samuel Underwood

Grade: 8 Individual project
Sts Philip And James, Stark County
*Impact of Caffeine on MCF7 Cells Shape
and Growth Rate.*

Taylor Vandygriff

Grade: 7 Individual project
Sts Philip And James, Stark County
Weight Equals Bullseye

Vedya Vangala

Grade: 7 Individual project
William Mason High School, Warren County
*Comparing Glucose Levels in Processed
Foods vs. Fresh Foods!*

Amelia Varga

Grade: 7 Individual project
Buckeye Valley Local Middle School,
Delaware County
Which Wave Wakes the Glow?

Jovan Varner

Grade: 5 Team project
Rimer Community Learning Center,
Summit County
The Grow, Grow Fertilizer

Autumn Vick

Grade: 9 Team project
Zane Trace Middle School, Ross County
Mother Nature's Tea Time

Zoe Vickers

Grade: 7 Individual project
East Richland Christian Schools,
Belmont County
*Comparing Pigment Extraction From Roses:
Fresh, Frozen and Dried*

Sakshum Vij

Grade: 11 Individual project
Seven Hills School, Warren County
*SPECTRA: Skin Pathology Evaluation via
Convolutional Training and
Recognition Algorithms*

Joseph Vogel

Grade: 8 Individual project
St Columban, Warren County
*Reaction Time as it Relates to Age
and Gaming*

Asher Vonderembse

Grade: 7 Individual project
Miami East Junior High School,
Miami County
*What affect do sound waves
have electrolysis?*

Xaria Walker

Grade: 5 Team project
Seiberling Community Learning Center,
Summit County
Power Plants

Brinkley Wallace

Grade: 5 Team project
Jackson Center High School, Shelby County
Ice, Ice Baby

Alexander Wang

Grade: 8 Individual project
Indian Hill Middle School, Hamilton County
*Does Blue Light Improve Working Memory?
A Small Scale Experimental Study*

Avery Wang

Grade: 11 Individual project
Seven Hills School, Warren County
*Identifying Autism-Associated Genes with
Therapeutic Potential Using Single-Cell
Foundation Models*

Alan Ward

Grade: 8 Individual project
St Columban, Hamilton County
*What Prevents Soil Erosion Best, Grass
or Weeds?*

Paige Ward

Grade: 11 Individual project
Bloom-Carroll High School,
Fairfield County
*Engineering a Researched-Optimized
Application to Simplify Grapheme Color
Synesthesia Experimentatio*

Domino Watts

Grade: 12 Individual project
Miami Valley Career Technology Center,
Miami County
*The Cognitive Costs of Phones:
Performance & Anxiety*

Gracie Weber

Grade: 8 Individual project
Fairfield Christian Academy,
Fairfield County
Hoppy Hands

ROSTER OF STUDENT EXHIBITORS (CONT.)

Juliana Weber

Grade: 7 Individual project
St Mary, Fairfield, Fairfield County
Dishsoap: To Clean or Not to Clean

Ben Weigand

Grade: 9 Individual project
Decolores Montessori School,
Miami County
Project: SEEKER

Kit Weinmann

Grade: 7 Individual project
Birchwood School of Hawken,
Cuyahoga County
Where's Waldo? The effect of pop-out features in visual search.

Elizabeth Wertman

Grade: 7 Team project
Zane Trace Middle School, Ross County
Breeze Battle

Magdalene Whitaker

Grade: 9 Individual project
Incarnate word academy, Cuyahoga County
Optimal Growing Conditions for Blue Oyster Mushrooms

Anderson White

Grade: 7 Team project
Miami East Junior High School,
Miami County
Scrolling to Suffering: The Effects of Screen Time on Headaches

Connor Whitney

Grade: 8 Team project
St Sebastian, Summit County
Timed Out

Robert Whittington

Grade: 12 Individual project
Zane Trace High School, Ross County
Noggin Navigation/Using Ultrasonic Sensors to Help the Blind

Kendall Wild

Grade: 10 Individual project
Bloom-Carroll High School,
Fairfield County
Determining the Physiological and Anatomical Characteristics on Micron Levels of Llama Fleece

Oliva Wilks

Grade: 10 Individual project
Fairland High School, Lawrence County
Store-bought vs. Home-made Chicken Feed Effect on Egg Production

Abigail Williams

Grade: 10 Team project
Lehman High School, Miami County
Ray of Decay

Bronwen Williams

Grade: 7 Individual project
St Columban, Clermont County
How Do Mordants Affect Natural Dyes?

Haley Williams

Grade: 10 Individual project
Global Impact STEM Academy,
Clark County
Testing Different Lip Balms To See Which Ones Are More Moisturizing

Valerie Wilson

Grade: 8 Individual project
Bishop Flaget School, Ross County
Which Minerals do Pothos Plants Prefer

Barton Wiseman

Grade: 6 Individual project
Bishop Flaget School, Jackson County
Which Candy Has the Lowest pH Level?

Anya Wittler

Grade: 7 Individual project
St Sebastian, Summit County
Wind Ballerinas

Lahela Workman

Grade: 5 Team project
Helen Arnold Community Learning Center,
Summit County
Gear ration

Harper Wright

Grade: 7 Team project
Zane Trace Middle School, Ross County
Breeze Battle

Joyce Wu

Grade: 6 Individual project
New Albany Intermediate School, Franklin County
The Impact of the Sound of Flowing Water on Plant Growth

Avery Wyan

Grade: 10 Individual project
Lehman High School, Shelby County
Hands Down... Which Hand Tires Out Faster?

Sanjay Yadlapalli

Grade: 11 Team project
Olentangy High School, Delaware County
NeuroScan AI: Brain MRI Segmentation for Workflow Support

Ethan Young

Grade: 7 Team project
Zane Trace Middle School, Ross County
Wax Wars

Jaden Young

Grade: 5 Team project
Burlington Elementary School,
Lawrence County
Think Before You Drink!

Eleza Zaidi

Grade: 10 Team project
Ottawa Hills High School, Lucas County
What is the relationship between river water pH and air temperature?

Vito Zanardelli

Grade: 7 Individual project
Our Lady Of Perpetual Help,
Pickaway County
What Makes Fruit Rot Fastest?

Michael Zhang

Grade: 11 Individual project
The University School - College Prep,
Cuyahoga County
Generation of STAT1 Gain-of-Function Mutant Constructs Using Optimized Site-Directed Mutagenesis

Michael Zhang

Grade: 8 Individual project
Solon Middle School, Cuyahoga County
The Effect of Natural Additives on Bioplastic Biodegradation

ROSTER OF STUDENT EXHIBITORS (CONT.)

William Zhang

Grade: 6 Individual project
Cincinnati Classical Academy,
Warren County
*The Effect of Modified Atmosphere
Packaging (MAP) in Meat Preservation*

Angie Zheng

Grade: 9 Team project
Ottawa Hills High School, Lucas County
*Which Water Filter Works the Best: Gravel,
Sand, or Charcoal?*

Tianna Zheng

Grade: 9 Individual project
Wheelersburg High School, Scioto County
The Psychology of Kids

Grant Zhou

Grade: 11 Individual project
Oakwood High School,
Montgomery County
*Injective Edge Colorings of
Subcubic Graphs*

Andrew Zhu

Grade: 9 Individual project
Dublin Coffman High School,
Franklin County
*Tracking Gut Microbe Activity Through
Scent: A Labeled VOC Method for
Measuring Metabolic Changes*

Suri Zhu

Grade: 10 Individual project
Upper Arlington High School, Franklin
County
*An Unexpected Finding in the Development
of a Cell Model of Friedreich's Ataxia*

Congratulations to all student exhibitors!



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