

# 2023 Special Awards Ceremony

## **AFCEA - Philadelphia Chapter**

is awarding these prizes to the best high school science research projects related to communications, intelligence or information systems fields. Each student will receive a formal certificate, a cash prize and a one year membership to AFCEA.

*1<sup>st</sup> Place \$200 - Arjun Tschand*

*2<sup>nd</sup> Place \$150 - Vrishti Yadav*

*3<sup>rd</sup> Place \$100 - Samuel Wang*

*Honorable Mention \$50 - Shashwat Sharma*

*Honorable Mention \$50 - Anna Zeigler*

## **Air Products Young Innovator Award**

is presented to students that demonstrate innovation in computer science and engineering. Each student will receive \$250 and a certificate.

*9th Grade - Reva Bhatt and Pranti Jammalamadaka*

*10th Grade - Matthew Cherry and Maggie Kelleher*

*11th Grade - Sooraj Tharumia and Caitlyn Zito*

## **American Chemical Society - Delaware Section**

DE-ACS is awarding these prizes to projects that align with their mission to advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.

*HS 1<sup>st</sup> Place \$100 - Mason Smith*

*MS 1<sup>st</sup> Place \$100 - Sophia Leone*

*HS 2<sup>nd</sup> Place \$50 - Mia Sullivan*

*MS 2<sup>nd</sup> Place \$50 - Clark Farrington*

*HS 3<sup>rd</sup> Place \$25 - Rishi Raghav Suresh*

*MS 3<sup>rd</sup> Place \$25 - Diya Vimal Kumar*

## **American Entomological Society - Calvert Award**

is awarding these prizes to students showing interest and promise in the study of insects, preferably relating to local species. All winners receive a certificate, monetary award, a one year membership in AES which includes a subscription to *Entomological News*, and an invitation to an AES meeting in the spring.

*1<sup>st</sup> Place \$100 - Devin Gibson and Junyi Xin*

*2<sup>nd</sup> Place \$50 - Joseph Mancuso and William Snyder*

*3<sup>rd</sup> Place \$25 - Tyler Iyengar*

## **American Psychological Association**

is pleased to award certificates to outstanding research projects in psychological science. Winners receive a certificate of achievement and a complimentary one-year student affiliate membership in APA.

*Hanyi Deng, Naima Doraiswamy, Sophie Dubois, and Tedra Robins*

### **American Society for Microbiology - Eastern PA**

is honoring outstanding projects related to the field of microbiology. They also recognize the teacher of our grand prize winner for encouraging the student's research.

*Grand prize \$200 Amazon gift card and certificate - Ian Fabris*

*Teacher - Melanie Kingett from Devon Prep*

*Honorable Mention certificate - Sreeja Paruchuri*

*Honorable Mention certificate - Mia Watson*

### **American Society of Civil Engineers - Philadelphia Section**

presents these civil engineering awards to projects with evidence of technical competence that promote the advancement of the profession.

*1<sup>st</sup> Place - \$100, plaque, and invitation to the Spring Social*

*HS – Samantha Capili*

*MS – Aisling Donahue*

*2<sup>nd</sup> Place - \$75 and plaque*

*HS – Andrew Van Pelt*

*MS – Condoleeza Oyesola*

### **American Society of Highway Engineers - Delaware Valley Section**

is awarding these prizes to outstanding highway-related projects that show intuitiveness and ingenuity as they relate to the highway industry.

*1<sup>st</sup> Place \$250, framed certificate and invitation to their spring meeting - Samantha Capili*

*Honorable Mention \$50 and certificate – Brandon Cai*

*Honorable Mention \$50 and certificate – Anna Zeigler*

### **American Society of Naval Engineers - Delaware Valley Section**

is proud to award prizes to projects that span virtually all fields of science and engineering, as applied to Navy vessels and aircraft. Each winner receives \$500.

*HS – Cymberly Tsai*

*MS – Joseph E. Dunn IV*

### **American Statistical Association, Philadelphia Chapter**

is awarding a \$150 prize to science fair projects demonstrating the best use of statistics.

*Grade 12 – Saranya Anantapantula*

*Grade 11 – Sravanti Manikonda*

*Grade 10 – Tiago Ferreira*

### **ASM International Philadelphia Liberty Bell Chapter**

awards \$200 and an ASM medallion to the best materials engineering projects based on use of material-related concepts, a demonstration of some aspect of the materials paradigm, and a quality presentation.

*Deven Chakrabarti, Matthew Cherry and Suraj Reddy*

### **Bill Rissinger Award for Earth & Space Sciences**

This award honors a man that was an outstanding educator and friend. He was a middle school science teacher for almost forty years and the director of the Bucks County Science Fair. He was part of the original DVSF leadership team working with Henry Disston, the first Director of Mentorship and a medals judge for many years. He was kind, honest and reflective not only with his young science research students, but also with his colleagues and new teachers. He was a self-proclaimed "science fair junkie" and deeply believed in the value of scientific

research. He showed a genuine interest in the students' work and was a guiding force to help them realize that the deepest learning often came from our mistakes. He had such a broad range of knowledge and an endless Rolodex of contacts to help others achieve their goals. He was everyone's favorite teacher and inspired many to go into the fields of education and STEM. The love and commitment he gave to his students and his job deserve respect and admiration and DVSF is proud to honor him with this Earth and Space Science Award. The winner receives \$200 and a certificate.

*Morgan Zylinski*

### **Broadcom Coding with Commitment Award**

is uniquely intended to reward a student's passion for improving the community and for attempting to apply basic coding or rudimentary computational thinking to solve a problem the student cares about. The winner receives a certificate, \$250 and a Raspberry Pi Pico kit.

*Om Gagrani*

### **Chromatography Forum of Delaware Valley**

is honored to recognize the accomplishments of talented young men and women whose research projects utilized principles and techniques of chromatography and separation science.

*HS 1<sup>st</sup> Place \$150 - This team will split the award evenly. Atavier Green, Dayonna Harper and Alanna Walker*

*MS 1<sup>st</sup> Place \$100 - Darcy McCullough*

*HS 2<sup>nd</sup> Place \$75 - Srijay Chenna*

*MS 2<sup>nd</sup> Place \$75 - Marah Ayotte*

*HS 3<sup>rd</sup> Place \$50 - Mia Sullivan*

*MS 3<sup>rd</sup> Place \$50 - Camila Pelech*

### **Constellation Award**

is given to outstanding projects that align with the company's mission to promote the use of clean energy and reduce our carbon footprint. Each winner will receive \$100 along with their certificate.

*Samantha Capili, Paridhi Jain, Anders Nielsen, Matthew Sonn and Arnav Tiwari*

### **Delaware Audubon Society**

is awarding these prizes to students whose projects align with their mission of promoting species and habitat conservation, particularly those showing interest and promise in the study of birds. All winners receive a monetary award, certificate, and one year membership in the Delaware Audubon Society.

*1<sup>st</sup> Place \$125 - Anthony DiFranco*

*2<sup>nd</sup> Place \$75 - Anthony Billotti*

*3<sup>rd</sup> Place \$50 - Amber Wong*

### **Department of Defense (DoD) STEM Leadership Prize**

is presented to a middle school project that excels in STEM knowledge and technical skills, demonstrates problem-solving skills and determination to overcome challenges throughout their research project, and exemplifies leadership qualities through excellent communication skills and creative thinking. The winner will receive \$100.

*Vihaan Putumbaka*

### **Drexel University - Dept. of Biodiversity, Earth, and Environmental Science**

is proud to honor students that best exemplify their mission of promoting the comprehensive understanding of the earth and environment through inquiry-based , experiential, interdisciplinary scientific education and research.

*1<sup>st</sup> Place \$200 - Anthony Billotti*

*2<sup>nd</sup> Place \$100 – Morgan Zylinski*

*3<sup>rd</sup> Place \$100 - Gajan Mohan Raj*

*Honorable Mention certificates - Grace Leavitt and Lilly Zhang*

### **DuPont Excellence in Teaching Award**

The DuPont Excellence in Teaching Award salutes teachers for many years of dedication and service to the Delaware Valley Science Fairs and support of STEM education in their communities. The winning teachers receive \$500, a plaque, and an all-expenses paid trip to the International Science and Engineering Fair.

*Anton Ocepek from Downingtown STEM Academy in Downingtown, PA*

*John Wnek from Marine Academy of Technology and Environmental Sciences in Stafford Township, NJ*

### **Engineers' Club of Philadelphia**

honors future leaders in the engineering field to ensure excellence in engineering continues for generations to come. Each winner will receive \$200 and a personalized plaque.

*Grade 11-12 – Arjun Tschand*

*Grade 9-10 – Sonia Leo*

*MS Grade – Joseph E. Dunn IV*

### **FMC Corporation**

is presented to the DVSF participants who, through their research projects, demonstrate an outstanding understanding and promise in the field of plant sciences.

*1<sup>st</sup> Place \$250 - Miraan Jhaveri and Arnav Tandon*

*2<sup>nd</sup> Place \$150 - Grace Leavitt*

*3<sup>rd</sup> Place \$100 - Helene Gormley and Lilly Sigelman*

*Honorable Mention - Nitil Raj*

### **Henry Disston Director's Award**

This award goes to a student that has participated in DVSF all through middle school and high school, but may not have received the top awards. We believe her perseverance and commitment to STEM research should be acknowledged. This year's \$500 and trophy for the Henry Disston Director's Award goes to

*Sofia Trone from Avon Grove High School*

### **Institute of Electrical and Electronics Engineers - Philadelphia Section**

is pleased to present these awards for excellence and outstanding effort in the development and construction of projects in the IEEE fields of interest.

*1<sup>st</sup> Place \$300 and plaque – Armaan Gupta*

*2<sup>nd</sup> Place \$200 and plaque – Vrishti Yadav*

*3<sup>rd</sup> Place \$100 and plaque - Arjun Tschand*

*Honorable Mention \$50 and certificate - Joseph E. Dunn IV*

### **Janssen Biotechnology Research**

recognizes excellence in biotechnology or pharmaceutical science.

*1<sup>st</sup> Place \$250 – Maryam Abdel-Azim*

*2<sup>nd</sup> Place \$200 – Lance Xu*

*3<sup>rd</sup> Place \$150 – Matthew Lo*

*Honorable Mention \$100 - Asha Chakrabarti, Kayla D'Eletto, Clark Farrington, and Shivan Maheshwari*

### **Janssen Cardiovascular and Metabolic Research**

recognizes science projects that demonstrate excellence in cardiovascular and metabolic research.

*1<sup>st</sup> Place \$250 – Sophia Liu*

*2<sup>nd</sup> Place \$200 – Katherine Green*

*3<sup>rd</sup> Place \$150 – Clara Zhu*

*Honorable Mention \$100 - Blake Kornafel, Rayna Malhotra and Ananya Relia*

### **John C. Sargent Jr. Memorial Award**

This award honors the memory of John C. Sargent Jr. by recognizing an outstanding science research project in aerospace, GPS, or some other type of communication. The student will be receiving \$500 and a certificate.

*Dugan Tunney*

### **The Lemelson Foundation partnered with Society for Science**

to award The Lemelson Early Inventor Prize to the top inventor, for exemplifying the ideals of inventive thinking by addressing a challenge seen in the community and creating a solution that will improve the lives of others. The winner receives \$100 and a certificate.

*Joseph Dunn*

### **Merck Science Achievement Award**

honors excellent projects relating to drug discovery and human health. Each winner will receive \$100 and a certificate.

*Kieran Chetty*

*Hanyi Deng*

*Cecelia Hayes*

*Anya Jani*

*Michelle Kagramian*

*Aaryan Nagaria*

*Jack Reilley*

*Ananya Relia*

*Lance Xu*

*Grace Yacobe*

### **Mid-Atlantic Society of Toxicology Award**

recognizes the best science research project with a strong toxicology focus. The winner will receive \$300 and a certificate.

*1<sup>st</sup> Place \$150 – Vedanth Iyengar*

*2<sup>nd</sup> Place \$100 – Anaya Relia*

*3<sup>rd</sup> Place \$50 – Alan Urdabayev*

### **Mixit - Kohlhaas Award**

This award is in memory of two extraordinary men that supported the science fair for many years. Jack Mixit worked at the Franklin Institute during the 1960s and 70s when the science fairs were held there and was one of the DVSF directors. Donald Kohlhaas has been a long supporter of the fair and established this award to honor his friend Jack. Mr. Kohlhaas passed away in August 2021 and his family has graciously offered to continue sponsoring this award. DVSF is proud to honor these two men who were creative, loved to demonstrate science and strongly believed in the benefits of science fairs. Each winner will receive \$100 and a certificate.

*Aimal Ahmad*

*Angelo Boujaoude*

*Asha Chakrabarti*

*Adelina Cutrona*

*Sophia Leone*

*Joshua Owens*

*Clarke Ray*

*Aidan Zwilling*

### **National Geographic Society and the Society for Science**

present the That's Geography - Cultivating Empathy for the Earth Award to a young student who is seeking solutions to the Earth's most pressing challenges, in particular around oceans, land, wildlife, human history and cultures, and human ingenuity. The winner receives \$100 and a certificate.

*Riya Sikand*

### **National Oceanic and Atmospheric Administration**

presents the Taking the Pulse of the Planet Award to honor projects whose research has demonstrated the principles and technical innovations that offer the greatest potential for an improved understanding of Earth's dynamic processes.

*Suchit Basineni*

*Violet Fischer*

*Vivian Poon*

*Arjun Tschand*

*Vrishti Yadav*

### **Office of Naval Research Naval Science Award**

The United States Navy and Marine Corps take pleasure in recognizing projects that demonstrate student learning about the chosen subject and scientific process, as well as the ability to discuss the work intelligently. High school students will receive \$50, a medallion and a certificate. Middle school students will receive a medallion and certificate.

#### High School

*Indus Boddu*

*Chaohan Ji*

*Sonia Leo*

*Aum Purani*

*Jacob Silva*

*Sooraj Tharumia*

*Cymerly Tsai*

#### Middle School

*Aisling Donahue*

*Kiera Dozor*

*Julia Lemon*

*Jeffrey Lux*

*Willow Pressler*

*Thomas Solitro*

### **Parenteral Drug Association - Delaware Valley Chapter**

awards excellent research relating to studies with an impact on human health. Each student receives \$500 and a certificate.

*Ashae Branch-Huston*

*Ian Fabris*

*Anika Kaushal*

*Anish Pallod*

*Brielle Taluba*

*Allan Urdabayev*

*Lance Xu*

*Grace Yacobe*

*Remington Yang*

*Clara Zhu*

### **Pennsylvania Council of Professional Geologists Grover H. Emrich Memorial Award**

recognizes an exemplary project that uses the principles of applied geology (earth science) to research issues relevant to human activity where geological factors play a role. Potential topics include environmental contaminants, water supply impacts, groundwater assessment, climate change, mineral exploration, mining, petroleum exploration and engineering geology for disaster management of landslides, floods, earthquakes, etc.

*Brian Yang*

### **Pennsylvania Society of Professional Engineers**

proudly recognizes projects from each grade level that exhibit the promise of future engineering excellence.

*1<sup>st</sup> Place \$50 and certificate – Brandon Cai, Sonia Leo, Willow Pressler, Tamir Sklansky, Anna Zeigler*

*2<sup>nd</sup> Place \$25 and certificate - Zehen Chen, Gaurav Perugu, Milan Shah, Vrishti Yadav, Caitlyn Zito*

### **Philadelphia Society for Coatings Technology**

awards projects that foster a better understanding of the technology required in the manufacture of paints and coatings, and the development of more environmentally safe products. Winners receive a cash prize and certificate.

*1<sup>st</sup> Place \$300 - Asha Chakrabarti*

*2<sup>nd</sup> Place \$200 - Lilly Zhang*

*3<sup>rd</sup> Place \$100 – Gloria Klees*

### **Regeneron Biomedical Science Award**

recognizes a high school project that demonstrates command of and passion for science, exemplifies traits of a driven thinker, demonstrates flexibility and a continuous learner mindset, embodies traits of an inspiring leader, and embodies a drive to use science for good. The winner receives \$500 and a certificate.

*Rayna Malhotra*

### **Roy F. Weston Memorial Award**

honors the ability and creativity of student research in environmental sciences. Each winner will receive \$250 and a certificate.

*Cate Haigh*

*Pooja Menon*

### **SAPA-GP Song Li Award**

recognizes student research that aligns with their mission statement to promote pharmaceutical sciences and biotechnology, contribute to public health education by raising public awareness, facilitate scientific and business cooperation, and foster the career development of pharmaceutical professionals. Each winner will receive \$300 and a certificate.

*Biochemistry - Dillon Lind*

*Medicine and Health - Clara Lee*

*Microbiology - Khushi Khurana*

### **Society of Environmental Toxicology and Chemistry - Hudson Delaware Chapter**

honors high school projects that promote the development of principles and practices for protection, enhancement and management of sustainable environmental quality and ecosystem integrity.

*1<sup>st</sup> Place \$150 - Sofia Trone*

*2<sup>nd</sup> Place \$75 - Gajan Mohan Raj*

*3<sup>rd</sup> Place \$25 - Adwik Banerjee*

### **Society of Tribologists and Lubrication Engineers - Philadelphia Section**

honors student research that relate to lubrication or corrosion prevention. Each student will receive \$100 and a certificate.

*Sophie Kalish-Schur, Adarsh Narayanam, Andrew Van Pelt, Keino Shaw, Anna Zeigler*

### **Society of Women Engineers**

is proud to recognize outstanding science projects which typify engineering principles and methods.

*Dorothy Hoffman Award - \$1000 is Saanvi Mehta*

*1st Place with \$100 - Emma Dunn, Maggie Kelleher, Sonia Leo, Karolina Luchko*

*2nd Place with \$50 - Pranati Jammalamadaka, Willow Pressler, Cymberly Tsai, Vrishti Yadav, Caitlyn Zito*

*HM cert - Samantha Cipili, Danielle Davenport, Mia Mastroianni, Anna Zeigler*

### US Air Force

is proud to pay tribute to young high achievers that will strengthen the nation's STEM future through their ideas and imaginations. Each student will receive an award package that includes a sling pack, power bank, USB flash memory drive, USB car charger and certificate.

*Carter Rembert, Jacob Silva, Tamir Sklansky, Rong Xu*

### US Department of Agriculture Eastern Regional Research Center

honors students with the Future Scientist Award for having meritorious projects dealing with agricultural research. Each student will receive a certificate and an invitation to the Future Scientist Day Event.

*Srija Chaudhuri*

*Miraan Jhaveri*

*Nitil Raj*

*Rowan Chetty*

*Ahjung Kim*

*Naydelyn Ramirez*

*Sofia Dubrovskaya*

*Grace Leavitt*

*Ananya Relia*

*Emily Eayre*

*Sravanti Manikonda*

*Lilly Sigelman*

*Ian Fabris*

*Mason Matich*

*Arnav Tandon*

*Clark Farrington*

*Lindsay McBride*

*Emma Valish*

*Jenna Freeman*

*Ellie Noh*

*Demajae White*

*Nicholas Gofman*

*Vivianna Onofrietti*

*Victoria Yakes*

*Helene Gormley*

*Logan Pace*

*Brianna Henderson*

*Sreeja Paruchuri*

### US Stockholm Junior Water Prize

honors science research that addresses water pollution and/or are water resource projects.

The PA winner receives a certificate of achievement and an invitation to compete in the state level competition.

*PA winner - Pooja Menon*

The NJ winner also receives an invitation to the NJWEA annual conference where the student will be presented with \$500 and a plaque.

*NJ winner - Zoey Smith*

### West Pharmaceutical Services

is proud to recognize science projects that demonstrate creativity and scientific thought in the areas of research and innovation. Each individual HS project winner will receive \$400. Each individual MS winner will receive \$200. Each team will split \$1000 between its members.

*Biochemistry Awards: Dillon Lind and Victoria Yakes*

*Chemistry Awards: Asha Chakrabarti and Clark Farrington*

*Engineering Awards: Everett McCrea and Gaurav Perugu*

*Medicine and Health Awards: Kieran Chetty and Jacob Edwards*

*HS Team Award: Angelina Dennis, Kenya Rawl, Rohan Kapoor, Jack Reichert*

### WL Gore and Associates

sponsors three awards. Each honors students with \$100 for first place, \$50 for second place and \$25 for third place. The Extreme Engineering Challenge honors projects that demonstrate advanced skills in the engineering design process.

*1<sup>st</sup> Place -, 2<sup>nd</sup> Place and 3<sup>rd</sup> Place - Arjun Tschand, Vrishti Yadav and Saranya Anantapantula*

The Innovation Award recognizes projects that demonstrate exceptional creativity and innovation in science research.

*1<sup>st</sup> Place -, 2<sup>nd</sup> Place, 3<sup>rd</sup> Place - Grace Leavitt, Deven Chakrabarti and Arnav Tiwari*

The Material Science Research Award honors outstanding material science research projects.

*1<sup>st</sup> Place -, 2<sup>nd</sup> Place and 3<sup>rd</sup> Place - Arjun Surjawanshi, Mia Watson and Cymberly Tsai*



### **Yale Science and Engineering Association**

recognizes outstanding 11th grade projects in Chemistry, Computer Science, Engineering, Mathematics and Physics. Each student will receive a certificate and medallion.

*Evan Chang, Srijay Chenna, Chaohan Ji, Srilekha Mamidala*

## **\*\*\* SCHOLARSHIPS \*\*\***

### **Dietrich W. Botstiber Foundation Award**

The Dietrich W. Botstiber Foundation is honoring three students whose research is related to aviation and physics by offering them an \$8333 unrestricted scholarship. The winners will be awarded just over \$2000 per year, for four years, pending maintenance of full-time status and good academic standing.

*Josiah Saddick, Vrishti Yadav, Anna Zeigler*

### **Community College of Philadelphia**

The CCP Summer Advance College Experience (ACE) Scholarship is presented to two current eighth graders and two ninth or tenth graders. Students will receive a scholarship for one Summer ACE course at CCP, including tuition and the cost of the required textbook(s). The ACE program offers a cross-section of intensive courses and includes a full semester of college-level course material over five weeks in July and August. Students that earn a "C" or better will receive college credit from the Community College of Philadelphia. The scholarship must be used within two years of receiving the award and will be null and void once the student graduates from high school.

*HS - Devon Geist and Jefferson Lin*

*MS - Jacob Edwards and Noelle Ryan*

### **Delaware Valley University**

This award is offered to high school seniors and juniors competing in the Delaware Valley Science Fairs. The \$2000 DelVal Mission Scholarship will be awarded to juniors and seniors placing first in their categories at the Delaware Valley Science Fairs. A \$1000 DelVal Mission Scholarship will be awarded to juniors and seniors that earn second place, third place or honorable mention in the category. These scholarships are renewable for four years as long as the student remains in good academic standing and are in addition to any academic scholarship for which a student may qualify upon admission. In order to be eligible to claim the DelVal Mission Scholarship described above, the high school student must be in good academic standing and enroll at the Delaware Valley University as a full-time undergraduate student in the fall semester immediately following the winner's high school graduation.

*In 2023, this award was offered to 123 students from the Delaware Valley Science Fairs.*

### **Harrisburg University of Science and Technology**

The Science and Technology Scholar Award is given to all high school seniors and juniors participating in the Delaware Valley Science Fairs. It will cover up to \$1500 for four (4) academic years at Harrisburg University of Science and Technology and is renewable each year. This will be in addition to any Merit Scholarship Award the student receives upon application and admission to the university. To redeem this award, the student must be granted a regular, full-time admission to HU for the Fall semester immediately following graduation from high school. Please be sure to read the award letter carefully for more details about eligibility.

*In 2023, this award was offered to 225 students from the Delaware Valley Science Fairs.*

## **\*\*\* Thermo Fisher Scientific Junior Innovators Challenge \*\*\***

This year, there is a new sponsor for the middle school national competition. Thermo Fisher Scientific is proud to sponsor the Thermo Fisher Scientific Junior Innovators Challenge. Every 1st, 2nd, and 3rd place winner in the Middle School individual categories is eligible to enter the Thermo Fisher Scientific JIC. Students will receive an electronic entry packet that includes their certificate and forms that they must complete in order to register themselves for the Thermo Fisher JIC. ***DVSF does not send their paperwork or project info to TFSJIC.***