



## 2024 Greater Kansas City Science & Engineering Fair Award Winners

### **ACADEMIC AWARDS**

Every project earned a gold, silver, or bronze ribbon. The most outstanding projects in each age group and subject area received a blue rosette ribbon and receive an **Academic Award**. Each Academic Award also receives a cash prize, split between students when it is a team project. First place will receive \$100, second place \$75, and third place \$50.

#### **SENIOR DIVISION**

##### **SENIOR ANIMAL SCIENCE**

###### **SPONSORED BY: Regnier Family Foundations**

2<sup>nd</sup> Place: Isabella Tungjaroenkul, Basehor-Linwood High School

1<sup>st</sup> Place: Tayten DeGarmo, Shawnee Mission North High School

##### **SENIOR BEHAVIORAL & SOCIAL SCIENCE**

###### **SPONSORED BY: Regnier Family Foundations**

3<sup>rd</sup> Place: Lilly Bogart, West Platte High School

2<sup>nd</sup> Place: Dhruv Mogenahalli, Blue Valley High School

1<sup>st</sup> Place: Madeline Holscher, Olathe North High School

##### **SENIOR CHEMISTRY**

###### **SPONSORED BY: Catalent**

2<sup>nd</sup> Place: Lacey Lepper, Academie Lafayette International High School

1<sup>st</sup> Place: Cacia Hunnicutt, Blue Valley Center for Advanced Professional Studies

##### **SENIOR COMPUTATIONAL SCIENCE, BIOINFORMATICS & MATHEMATICS**

###### **SPONSORED BY: BioNexus KC**

2<sup>nd</sup> Place: Andrew Dai, Olathe North High School

1<sup>st</sup> Place: Mahi Kohli, Olathe North High School

##### **SENIOR EARTH & ENVIRONMENTAL SCIENCE**

###### **SPONSORED BY: Black & Veatch**

3<sup>rd</sup> Place: David Allegri, Shawnee Mission East

2<sup>nd</sup> Place: Madeline Male, Homeschool

1<sup>st</sup> Place: Elizabeth Barnes, Shawnee Mission West High School and SMSD Biotechnology

1<sup>st</sup> Place: Isobel Asbury, Center for Academic Achievement

##### **SENIOR ENERGY & ENVIRONMENTAL ENGINEERING**

###### **SPONSORED BY: Navy League of Greater Kansas City**

1<sup>st</sup> Place: Valeria Hernandez, Van Horn High School

##### **SENIOR ENGINEERING MECHANICS**

###### **SPONSORED BY: HNTB**

1<sup>st</sup> Place: Adriana Sarinana, Van Horn High School

##### **SENIOR MICROBIOLOGY**

###### **SPONSORED BY: Eurofins Viacor**

3<sup>rd</sup> Place: Soyee Cho, Olathe North High School  
2<sup>nd</sup> Place: Emma Peters, Shawnee Mission Northwest  
1<sup>st</sup> Place: Surya Rangaraj, Blue Valley High School

### **SENIOR MOLECULAR BIOLOGY/CHEMISTRY & HEALTH SCIENCES**

#### **SPONSORED BY: Labconco**

3<sup>rd</sup> Place: Aliyah Tolentino, Whitefield Academy  
2<sup>nd</sup> Place: Mia Stamos, Shawnee Mission East  
1<sup>st</sup> Place: Anshika Kapoor, Olathe North High School

### **SENIOR MATERIAL SCIENCE**

#### **SPONSORED BY: Burns & McDonnell**

2<sup>nd</sup> Place: Grace Knight, Olathe North Sr. High School  
1<sup>st</sup> Place: Luke Hui, Olathe North High School

### **SENIOR PHYSICS & ASTRONOMY**

#### **SPONSORED BY: Fort Hays State University**

1<sup>st</sup> Place: Sahitha Chunduru, Olathe North High School

### **SENIOR PLANT SCIENCE**

#### **SPONSORED BY: Campbell Family Foundation**

3<sup>rd</sup> Place: Nathan Peters, Olathe North High School  
3<sup>rd</sup> Place: Izzy Kelly, Basehor-Linwood High School  
2<sup>nd</sup> Place: Isabella Ginie, Olathe North High School  
1<sup>st</sup> Place: Pace Klein, Olathe North High School

## ***JUNIOR DIVISION***

### **JUNIOR ANIMAL SCIENCE**

#### **SPONSORED BY: Regnier Family Foundations**

2<sup>nd</sup> Place: Isha Yap, Miley Bob and Lauren Mees, Liberty Middle School  
1<sup>st</sup> Place: Wenqian Wang and Derek Huang, Lakewood Middle School

### **JUNIOR BEHAVIORAL & SOCIAL SCIENCE**

#### **SPONSORED BY: Regnier Family Foundations**

3<sup>rd</sup> Place: Eric Unthank, Calvary Lutheran School  
3<sup>rd</sup> Place: Averi Scott and Aylah Gray, West Platte Middle School  
2<sup>nd</sup> Place: Irelyn Eades & Amber Rutherford, West Platte Middle School  
2<sup>nd</sup> Place: Hallie Pautler, St. Peter's School  
2<sup>nd</sup> Place: Charlotte Blatt and Molly Kirchhoff, Bernard Campbell and Pleasant Lea  
1<sup>st</sup> Place: Emma Avery, Lily Clemis and Olivia Emerson, Oakhill Day School  
1<sup>st</sup> Place: Siobhan Davis, Walden Middle School

### **JUNIOR CHEMICAL ENERGY**

#### **SPONSORED BY: Black & Veatch**

3<sup>rd</sup> Place: Jameson Kenealy, Heritage Middle School  
2<sup>nd</sup> Place: Tyler Bell, Calvary Lutheran School  
1<sup>st</sup> Place: Kate Carletti, West Platte Middle School

## **JUNIOR CHEMISTRY**

### **SPONSORED BY: Catalent**

- 3<sup>rd</sup> Place: Crius McMullin, Homeschool
- 2<sup>nd</sup> Place: Scott Maberry, Pleasant view R6
- 2<sup>nd</sup> Place: Ainslie Miller, St. Peters School
- 1<sup>st</sup> Place: Avery Growney, St. Peter's School
- 1<sup>st</sup> Place: Evie Christy, St. Peter's School

## **JUNIOR COMPUTATIONAL SCIENCE, BIOINFORMATICS & MATHEMATICS**

### **SPONSORED BY: BioNexus KC**

- 2<sup>nd</sup> Place: Bennett Schreiber and Krish Iyer, The Barstow School
- 1<sup>st</sup> Place: Yui Owen, Heritage Middle School

## **JUNIOR COMPUTER SYSTEMS, ELECTRONICS & ROBOTICS**

### **SPONSORED BY: Evergy**

- 2<sup>nd</sup> Place: Andrew Ridenour, Academie Lafayette
- 1<sup>st</sup> Place: Joseph Giocondo and Pier Lashbrook, The Barstow School

## **JUNIOR EARTH & ENVIRONMENTAL SCIENCES**

### **SPONSORED BY: Black & Veatch**

- 3<sup>rd</sup> Place: Amaya Golden, St. Peter's School
- 2<sup>nd</sup> Place: Sarah Kern and Lily Bray, Liberty Middle School
- 1<sup>st</sup> Place: Ellery Ridenour, Academie Lafayette

## **JUNIOR ENERGY & ENVIRONMENTAL ENGINEERING**

### **SPONSORED BY: Navy League of Greater Kansas City**

- 1<sup>st</sup> Place: Matthew Bright, Liberty Middle School

## **JUNIOR ENGINEERING MECHANICS**

### **SPONSORED BY: HNTB**

- 3<sup>rd</sup> Place: Jaiden Shah and Richie Lashbrook, The Barstow School
- 2<sup>nd</sup> Place: Harper Carlson, Emily Perrenoud-Moore, and Gracie Kulp, The Barstow School
- 1<sup>st</sup> Place: Ian Bradley, Daniel Fitzpatrick, and Liam Gorman, Oakhill Day School

## **JUNIOR MICROBIOLOGY**

### **SPONSORED BY: Eurofins Viacor**

- 3<sup>rd</sup> Place: Ruthie Vicker, Liberty Middle School
- 2<sup>nd</sup> Place: Katherine Kennedy, St. Peter's School
- 1<sup>st</sup> Place: Kate Reid, St. Peter's School

## **JUNIOR MOLECULAR BIOLOGY/CHEMISTRY & HEALTH SCIENCES**

### **SPONSORED BY: Labconco**

- 2<sup>nd</sup> Place: Ava Kopitas, The Barstow School
- 1<sup>st</sup> Place: Diya Kiran Krishnan, The Barstow School

## **JUNIOR MATERIAL SCIENCE**

### **SPONSORED BY: Burns & McDonnell**

- 3<sup>rd</sup> Place: Sapphire Hobbs, Hyman Brand Hebrew Academy
- 2<sup>nd</sup> Place: Griffin Riemer, St. Peters School

1<sup>st</sup> Place: Chloe Cline, St. Peter's School

1<sup>st</sup> Place: Zander Higginbotham, Liberty Middle School

### **JUNIOR INVENTIONS**

**SPONSORED BY: Shook, Hardy, and Bacon**

3<sup>rd</sup> Place: Josh Gibson, Kansas City Christian School

2<sup>nd</sup> Place: Josh Combs, Kansas City Christian School

1<sup>st</sup> Place: Emery Daugharthy, Kansas City Christian School

### **JUNIOR PHYSICS & ASTRONOMY**

**SPONSORED BY: Fort Hays State University**

3<sup>rd</sup> Place: Audree Vandever, Pleasant View R-6

2<sup>nd</sup> Place: Declan Flynn, St. Peter's School

1<sup>st</sup> Place: Austin Lynam and Eric Lee, Heritage Middle School

1<sup>st</sup> Place: Luke Rando, St. Peter's School

### **JUNIOR PLANT SCIENCE**

**SPONSORED BY: Campbell Family Foundation**

3<sup>rd</sup> Place: Katie Barnes, Christa McAuliffe Elementary School

2<sup>nd</sup> Place: Adelaide Clark and Jersey O'Neal, West Platte Middle School

1<sup>st</sup> Place: Sarah Schumacher

## **INTERMEDIATE DIVISION**

### **INTERMEDIATE ANIMAL SCIENCE**

**SPONSORED BY: Regnier Family Foundations**

1<sup>st</sup> Place: Margaret Burns, Our Lady of the Presentation School

### **INTERMEDIATE BEHAVIORAL & SOCIAL SCIENCES**

**SPONSORED BY: Regnier Family Foundations**

1<sup>st</sup> Place: Dominic Sonderman, Our Lady of the Presentation

### **INTERMEDIATE CHEMICAL ENERGY**

**SPONSORED BY: Black & Veatch**

2<sup>nd</sup> Place: Paige Smith, The Barstow School

1<sup>st</sup> Place: Henry Tritsch and Liam Boe, Trailwood Elementary

### **INTERMEDIATE CHEMISTRY**

**SPONSORED BY: Catalent**

3<sup>rd</sup> Place: Margaret Reddig, Our Lady of the Presentation

2<sup>nd</sup> Place: Sloane Helm, The Barstow School

1<sup>st</sup> Place: Chloe Hellstern and Kate Shelton, Oak Hill Elementary

1<sup>st</sup> Place: Jackson Longman, Aspen Grove Elementary School

### **INTERMEDIATE COMPUTATIONAL SCIENCE, BIOINFORMATICS, AND MATH**

**SPONSORED BY: BioNexus KC**

1<sup>st</sup> Place: Genevieve Abreu, Our Lady of the Presentation Catholic School

### **INTERMEDIATE EARTH & ENVIRONMENTAL SCIENCES**

**SPONSORED BY: Black & Veatch**

2<sup>nd</sup> Place: Kate Watson, Trailwood Elementary

1<sup>st</sup> Place: Benjamin Jones, Christ Lutheran School

### **INTERMEDIATE ENERGY & ENVIRONMENTAL ENGINEERING**

**SPONSORED BY: Navy League of Greater Kansas City**

2<sup>nd</sup> Place: Nate Mansker, Safaan Hameed, and Nic Cantu, Wolf Springs Elementary

1<sup>st</sup> Place: Asa Perkins, Our Lady of the Presentation

### **INTERMEDIATE ENGINEERING MECHANICS**

**SPONSORED BY: HNTB**

1<sup>st</sup> Place: Blake Stach, Our Lady of the Presentation

### **INTERMEDIATE MICROBIOLOGY**

**SPONSORED BY: Eurofins Viacor**

2<sup>nd</sup> Place: Cena George, The Barstow School

1<sup>st</sup> Place: Teaghan Bailey, Our Lady of the Presentation

### **INTERMEDIATE MATERIALS SCIENCE**

**SPONSORED BY: Burns&McDonnell**

3<sup>rd</sup> Place: Kahlia Key, Belvidere Elementary

2<sup>nd</sup> Place: Paul Wheeler, Our Lady of the Presentation

1<sup>st</sup> Place: Sam Krause

### **INTERMEDIATE INVENTIONS**

**SPONSORED BY: Shook, Hardy, and Bacon**

2<sup>nd</sup> Place: Sophie Mueller

1<sup>st</sup> Place: Penelope Goodwin, The Barstow School

### **INTERMEDIATE PHYSICS & ASTRONOMY**

**SPONSORED BY: Fort Hays State University**

2<sup>nd</sup> Place: Caroline Fenwick, Our Lady of the Presentation

1<sup>st</sup> Place: Colin Garcia, Our Lady of the Presentation

### **INTERMEDIATE PLANT SCIENCE**

**SPONSORED BY: Campbell Family Foundation**

3<sup>rd</sup> Place: Caitlin Bowen and Emma Ford, Trailwood Elementary

2<sup>nd</sup> Place: Clare Quint, Oak Hill Elementary

2<sup>nd</sup> Place: Sofia Aleman, Our Lady of Presentation

1<sup>st</sup> Place: Piece Brown, Violet Mora, and Soren Grimm, Horizon Elementary

1<sup>st</sup> Place: Lily Sanderholm, Belvidere

**PIONEERS IN SCIENCE** awards are now given to the **TOP SEVEN** senior division projects, in no particular order. These awards recognize outstanding examples of student research, innovation and design.

**School:** Olathe North High School **Category:** COMPUTATIONAL SCIENCE, BIOINFORMATICS, AND MATH

**Name:** *Mahi Kohli*

**Title of Project:** SynAPPse: A Novel QSAR Modeling App for the Rapid Identification of AChE Inhibitors for Alzheimer's Disease

**School:** Shawnee Mission West High School and SMSD Biotechnology **Category:** Earth and Environmental Science

**Name:** *Elizabeth Barnes*

**Title of Project:** Analysis and Removal of Microplastics Through the Study of Sand

**School:** Van Horn High School **Category:** Engineering Mechanics

**Name:** *Adriana Sarinana*

**Title of Project:** A Hands-Free Approach to Adhesive Bandage Application for Enhanced Sterility and Convenience

**School:** Olathe North High School **Category:** Microbiology

**Name:** *Soyee Cho*

**Title of Project:** The Effect of Available Oat Flake Mass on Physarum Polycephalum Path Efficiency

**School:** Olathe North High School **Category:** Molecular Biology

**Name:** *Anshika Kapoor*

**Title of Project:** Examining the Effects of PKD Mutations on Hepatocyte Fitness

**School:** Shawnee Mission East **Category:** Molecular Biology

**Name:** *Mia Stamos*

**Title of Project:** The Effects of Transforming Growth Factor Beta in Neuronal Innervation in Pancreatitis.

**School:** Whitefield Academy **Category:** Molecular Biology

**Name:** *Aliyah Tolentino*

**Title of Project:** Proteomic Analysis Prioritizes Potential HO-1 Involvement in Macrophage-Orthoerythroblast Interactions.

**MRIGlobal Excellence in Science Award, President and CEO of MRIGlobal, Dr. Ian Colrain**

**Description:** Awarded to what is deemed the very best of the Senior Division entries, with the scientist or engineer receiving a \$1,000 cash prize and the opportunity to intern at MRIGlobal.

**Anshika Kapoor**, Senior at Olathe North High School for her project titled "The Effects of PKD Mutations on Hepatocyte Fitness."

The **GRAND AWARDS** are presented to the **TOP FOUR** senior division projects that meet the stringent requirements for entering the REGENERON International Science and Engineering Fair. ISEF brings together nearly 1700 high school students from over 60 countries around the world. Kansas City Grand Award winners and their sponsoring teacher will receive an all-expense paid trip to compete at the 2024 International Science & Engineering Fair, held this year in Los Angeles, California from May 12<sup>th</sup>-17<sup>th</sup>.

**GRAND AWARD WINNERS & ISEF FINALISTS: Mahi Kohli, Adriana Sarinana, Elizabeth Barnes, Soyee Cho**

## **SPECIAL AWARDS**

### **Organization: Air and Waste Management Association**

**Description:** The best projects in the senior, junior and intermediate division relating to 1) generation, control, effect, or illustration of air pollution or waste management or 2) relating to energy conservation or renewable energy. Each winner will receive a \$100 cash award and a plaque. Additionally, the science department of each winner's school will receive \$50.

*Senior: Isobel Asbury*, Center for Academic Achievement

*Junior: Amaya Golden*, St. Peter's School

*Intermediate: Benjamin Jones*, Christ Lutheran School

### **Organization: American Psychological Association**

**Description:** A certificate is presented to outstanding research in psychological science under the category of Behavioral and Social Sciences or any category related to psychology (e.g., animal sciences, biomedical and health sciences, translational medical science).

*Winner: Madeline Holscher*, Olathe North High School

### **Organization: The American Royal Top Animal Science Project Award**

**Description:** The American Royal Association exists to champion food and agriculture. Our vision is a world where food and agriculture are celebrated, and all generations are committed to its future. To celebrate our 125 years of history we wanted to honor our beginning with our heritage born out of the Kansas City Stockyards. The American Royal is awarding the Top Intermediate, Junior, and Senior Division students in the Animal Sciences. A special emphasis was placed on their project relating to the livestock and animal husbandry sectors. They each are receiving \$50 and a certificate.

*Senior: Sophia McDaniel*, Blue Valley Center for Advanced Professional Studies

*Junior: Jack Mitchell*, Santa Fe Trail Elementary

*Intermediate: Margaret Burns*, Our Lady of the Presentation School

### **Organization: The Anita B. Gorman Conservation In Action Award**

**Description:** The Missouri Department of Conservation is proud to award best project in the intermediate, junior, and senior division relating to 1) natural resources, including but not limited to fish, forest, or wildlife conservation 2) human influence or connections to nature. Each project will receive a \$150 cash award and a plaque. Additionally, the science teacher will receive \$100.

*Senior: Silas Guernsey*, Olathe North High School

*Junior: Naba Syed*, Islamic School of Greater Kansas City

*Intermediate: Benjamin Jones*, Christ Lutheran School

### **Organization: Association For Women Geoscientists**

**Description:** The Association for Women Geoscientists (AWG) is pleased to provide an Award Certificate and an honorary AWG membership for the current year to girls and young women (including cis-gender, transgender, gender fluid and non-binary persons) whose projects, in the opinion of the judges, exemplify high standards of innovativeness and scientific excellence in the geosciences and/or Earth sciences.

*Winner: Maria Diaz*, Van Horn High School

### **Organization: The Astronomical Society of Kansas City**

**Description:** For each division, the Astronomical Society of KC will provide an award for one astronomy or space-themed project. The award will include a certificate, a one-year membership in ASKC, and one evening of curated viewing with the 30-inch telescope at Powell Observatory in Louisburg, Kansas.

*Senior:* **Alex Cantero Segura**, Olathe North High School

*Junior:* **Jonah Capps**, Calvary Lutheran School

*Intermediate:* **Emilia Sosa**, Belvidere

**Organization: The Bosch Motorsport Women in STEM Award**

**Description:** Awarded to a project that shows excellence in STEM, created by a female student(s)

*Winner:* **Nyra D'Sa**, Our Lady of Presentation Catholic School

**Organization: The Broadcom Coding with Commitment Award**

**Description:** Judges select a 5th, 6th, 7th or 8th grade student or team, preferably from a Title I school or an underrepresented group, participating in any category and who combines STEM Knowledge and Basic Coding/Computation in the project's research, design, or development, and Expresses Passion for helping or improving his/her/their community

*Winners:* **Dylan Presko and Noah Boswell**, Antioch Middle School

**Organization: Burroughs Audubon Society of Greater Kansas City**

**Description:** The best project in the junior, intermediate and senior division in relating to avian species, native North American flora, fauna or natural communities or ecosystems. Each winner will receive \$100 and a trophy and the science department of each school will receive \$100.

*Senior:* **Silas Guernsey**, Olathe North High School

*Senior:* **Sophia McDaniel**, Blue Valley Center for Advanced Professional Studies

*Intermediate:* **Benjamin Jones**, Christ Lutheran School

**Organization: The Children's Mercy Research Institute Award**

**Description:** The Children's Mercy Research Institute Award will recognize one project each in the intermediate, junior, and senior divisions that demonstrates exemplary insight related to improving the health and wellbeing of children everywhere by answering the toughest healthcare questions affecting children and their families. One award consisting of a certificate, \$50 gift card, Children's Mercy sweatshirt, and tour of the Children's Mercy Research Institute for the winners and their immediate families will be gifted to the project winners (1 project per division).

*Senior:* **Emma Peters**, Shawnee Mission Northwest

*Junior:* **Chizara Ugbaja**, Heritage Middle School

*Intermediate:* **Genevieve Abreu**, Our Lady of the Presentation Catholic School

**Organization: Citizens' Climate Lobby, Kansas City (Missouri and Kansas) Chapters**

**Description:** Entries can cover any facet of the Mid-American Regional Council's 2021 Regional Climate Action Plan. Entries will be judged on scientific merit, contribution to overall greenhouse gas reduction, suitability for the Kansas City region, and aesthetic appeal. Projects can address renewable and "non-carbon" energy production, improved electrical transmission, electrification of buildings and transportation, improving efficiency in some aspect of electrical consumption, removing carbon from the atmosphere, or any other CO2 reduction strategy.

*Best project:* **Hope Acosta**, Blue Valley Center for Advanced Professional Studies (CAPS)

*Runner-up:* **Nyra D'Sa**, Our Lady of Presentation Catholic School

*Runner-up:* **Gabriel Sinclair**, Center for Academic Achievement

*Runner-up:* **Brady Holmes**

*Runner-up:* **Matthew Bright**, Liberty Middle School

**Organization: The Director's Choice Award**

**Description:** Recognizing the creativity and innovation in merging of art and science, this award celebrates projects that demonstrate integration of artistic expression, captivating presentation and scientific inquiry. One winning project from each division will receive a \$50 cash prize. One runner-up in each division will receive a \$25 cash prize. All winners will



receive a certificate and a Fair swag bag.

*Senior winner:* **Xander Kleiber**, Basehor-Linwood High School

*Senior runner-up:* **Amanda Perez**, Olathe North High School

*Junior winner:* **Naba Syed**, Islamic School of Greater Kansas City

*Junior runner-up:* **Sophie Lienhop**, St. James Catholic School-Liberty

*Intermediate winner:* **Aiden Genter**, The Barstow School

*Intermediate runner-up:* **Fletcher Ensminger**, Highlawn Montessori

**Organization: The US EPA Region 7's Excellence in Environmental Science Award**

**Description:** Certificates will be awarded to 1st, 2nd and 3rd place projects in Environmental Science in each age division, plus a special plaque for an outstanding project.

*1<sup>st</sup> First Senior:* **Gannon Suarez**, Basehor-Linwood High School

*2<sup>nd</sup> Place Senior:* **Henok Kassaye**, Olathe North High School

*3<sup>rd</sup> Place Senior:* **Madeline Male**, Homeschool

*Honorable Mention Senior:* **Tuli Dastrup**, Academie Lafayette International High School

*1<sup>st</sup> Place Junior:* **Matthew Bright**, Liberty Middle School

*2<sup>nd</sup> Place Junior:* **Ellery Ridenour**, Academie Lafayette

*2<sup>nd</sup> Place Junior:* **Lily Bray and Sarah Kern**, Liberty Middle School

*3<sup>rd</sup> Place Junior:* **Amaya Golden**, St. Peter's School

*Honorable Mention Junior:* **Isha Yap, Miley Bob, and Lauren Mees**, Liberty Middle School

*1<sup>st</sup> Place Intermediate:* **Benjamin Jones**, Christ Lutheran School

*2<sup>nd</sup> Place Intermediate:* **Nyra D'Sa**, Our Lady of Presentation Catholic School

*3<sup>rd</sup> Place Intermediate:* **Oliver Kaffenberger**

*Outstanding Project Intermediate:* **Margaret Burns**, Our Lady of the Presentation School

**Organization: The Dr. F. Gene Hampton Award**

**Description:** Awarded to a promising high school student whose project best exemplifies the use of scientific processes in addressing a biological problem. The student and the sponsoring teacher will each receive an award of \$100.

*Winner:* **Payton Reber**, West Platte High School

**Organization: The 2024 FAA Award for Aviation Innovation**

**Description:** A plaque and certificate is awarded to one individual in the senior, junior, and intermediate divisions for the most outstanding aviation related project.

*Junior:* **Luke Rando**, St. Peter's School

*Intermediate:* **Caroline Fenwick**, Our Lady of the Presentation

**Organization: George L. MacCurdy Award**

**Description:** Awarded to a ninth or tenth grade student whose project best exemplifies the use of scientific processes in addressing a chemical problem. The student and the sponsoring teacher will each receive an award of \$100.

*Winner:* **Lacey Lepper**, Academie Lafayette International High School

**Organization: Greater Kansas City Association of Family and Consumer Sciences**

**Description:** Four \$50 cash awards are given to students whose projects emphasize and highlight our purposes, which are to educate individuals for family living, improve services and goods used by families, and promote research on the changing needs of individuals and families.

*Junior:* **Anna Mudd and Bridget Clune**, St. Peter's School

*Junior:* **Benjamin Kramer**

*Junior:* **Diya Kiran Krishnan**, The Barstow School

*Junior:* **Jackson Trigg**, Plaza Middle School

**Organization: Institute of Electrical & Electronic Engineers**

**Description:** IEEE is the world's largest professional association advancing innovation and technological excellence for the benefit of humanity. The IEEE KC award is given to one outstanding senior division project making use of the fields of electrical engineering, computer science, or mathematics.

*Winner: Xander Kleiber, Basehor-Linwood High School*

**Organization: Kansas City Archaeological Society**

**Description:** A \$100 cash award is presented for outstanding research in the area of archaeology, the study of past human life. One award will be given for the best experiment in tool manufacture or use, pottery making, native agricultural practices or additional topics related to archaeology.

*Winners: Mia Hoyt, Karson Cregan, and Karen Findley, Holy Trinity Catholic School*

**Organization: Kansas City Garden Club**

**Description:** Categories we will review: horticulture, environment, ecology related entries. \$25 cash prize to top 2 winning entries in each division (intermediate, junior, senior). Can be individual or team projects of 2 (\$25 per each team member) plus a ribbon and certificate.

*Senior: Will Pendley, Olathe North High School*

*Senior: Layne Jones, Olathe North High School*

*Junior: Naba Syed, Islamic School of Greater Kansas City*

*Junior: Sarah Schumacher*

*Intermediate: Aekamdeep Arora, The Barstow School*

*Intermediate: Luciana Camis, The Barstow School*

**Organization: KC Zoo and Aquarium Biodiversity Defender Award**

**Description:** This award will be awarded to the top three individuals who present a project that makes a positive contribution to an areas biodiversity by changing, enhancing, or monitoring environmental factors.

*Senior: Cassie Vickers, Olathe North High School*

*Junior: Ellery Ridenour, Academie Lafayette*

*Intermediate: Oliver Kaffenberger*

**Organization: KC Zoo and Aquarium Conservation Cultivators Award**

**Description:** Honoring a team project who have shown exceptional leadership and commitment to environmental conservation efforts through innovation in their school and community.

*Winners: Aaliyah Albidrez and Adrianna Lara, Van Horn High School*

**Organization: Lakeside Nature Center**

**Description:** Lakeside Nature Center would like to present a special award for the best display showing what 'kids can do' to help the environment. There would be three awards - one for each age group -- \$100 to the student and \$50 to the student's school or teacher.

*Senior: Silas Guernsey, Olathe North High School*

*Junior: Naba Syed, Islamic School of Greater Kansas City*

*Intermediate: Oliver Kaffenberger*

**Organization: Lemelson Early Inventor Prize**

**Description:** The Lemelson Early Inventor Prize is awarded to a student in the intermediate division who develops an invention to solve a critical societal problem and improve the lives of others.

*Winner: Emery Daugharthy, Kansas City Christian School*

**Organization: Linda Hall Library of Science, Engineering & Technology – Joseph C. Shipman Award**

**Description:** The Shipman Award is presented in memory of the Library's first director, Joseph C. Shipman. To honor Mr. Shipman's legacy of devotion to science, the award and cash prize of \$500 are granted to a student who makes excellent use of scientific literature in their project as well as \$500 to the student's educator.

*Winners: Aaliyah Albidrez and Adrianna Lara, Van Horn High School*

**Organization: Martin N. Schuler Award**

**Description:** The Martin N. Schuler award recognizes Mr. Schuler's outstanding commitment to research professionalism, and his contributions to the community through his long-term involvement with Science Pioneers and the Science Fair as their past president and secretary-treasurer. This cash award of \$250 and a certificate will be presented to a student in the senior division for outstanding achievement in the biological sciences.

*Winner: Mia Stamos, Shawnee Mission East*

**Organization: Missouri Organic Recycling**

**Description:** The best project from all of the divisions in the category of Earth & Environmental Science, relating to mimicking nature's processes to create quality organic products from organic waste materials. The overall goal is to increase diversion of organic waste from landfills.

*Winner: Will Pendley, Olathe North High School*

**Organization: NASA Earth Systems Science Award**

**Description:** The NASA Earth Systems Science Award is given to the student that best demonstrates insight into Earth's interconnected spheres (atmosphere, lithosphere, etc) and the project should incorporate studies including different spheres of the Earth system, their interactions and change over time. Subcategories include: atmospheric science, climate science, enviro effects on ecosystems, geosciences, water science.

*Winner: Iusuf Akiuz, Frontier STEM High School*

**Organization: National Oceanic and Atmospheric Administration(NOAA)**

**Description:** A Certificate and congratulatory letter is presented to one project in the junior or senior division whose research emphasizes NOAA's mission of Science, Service, and Stewardship: "to understand and predict changes in climate, weather, oceans and coasts, to share that knowledge and information with others, and to conserve and manage coastal and marine ecosystems and resources."

*Winner: Trevor Davids, Basehor Linwood High School*

**Organization: Regeneron Biomedical Science Award Administration**

**Description:** Society for Science is proud to partner with Regeneron to inspire and celebrate the next generation of biomedical scientific heroes. The Regeneron Biomedical Science Award, sponsored by Regeneron, is a \$375 award to be given at Society-affiliated science fairs in the United States and its territories in 2024.

*Winner: Tayten DeGarmo, Shawnee Mission North High School*

**Organization: Ricoh Corporation**

**Description:** It is our honor to provide Ricoh Sustainable Development Award (RSDA) Certificate, to recognize your student(s), whose outstanding project addresses social and environmental challenges and a meaningful solution for a more sustainable future.

*Winner: Hope Acosta, Blue Valley Center for Advanced Professional Studies (CAPS)*

**Organization: Science City Ad Astra Award**

**Description:** The Science City Ad Astra Award is presented to students with projects relating to physics and astronomy that: showcase a great understanding of the scientific method, use applicable and recent research methods, and strive to use physics and/or astronomy-based sciences to help improve our world for future generations.

*Senior: Alex Cantero Segura, Olathe North High School*

*Junior: Luke Nelson Plackemeier, Liberty Middle School*

*Intermediate: Colin Garcia, Our Lady of the Presentation*

**Organization: Science City Maker Award**

**Description:** In recognition of your creative project, 1 project from each division will receive a 4-pack of Science City tickets and a custom made Maker Studio award.

*Senior: Grace Knight, Olathe North Sr. High School*

*Junior: Jett Ellis*

*Intermediate: Chloe Hellstern, Oak Hill Elementary*

**Organization: Science City Showcase Award**

**Description:** The Science City Showcase Award recognizes 3 outstanding projects in each division based on the scientific inquiry, and project display board. Winner will receive a certificate, 4 passes to Science City and Planetarium, and will have their project on display in Science City.

*Senior: Aiden Hamilton and Mason McGivern, West Platte High School*

*Junior: Siobhan Davis, Walden Middle School*

*Intermediate: Lily Sanderholm, Belvidere*

**Organization: LeAnn Smith Science Pioneers Legacy Award**

**Description:** The Science Pioneers' Legacy award, in honor of LeAnn Smith, is awarded to an intermediate project that showcases scientific learning, creativity, and curiosity. The Fair began in 1952 to help promote student interest in the sciences, and the Science Pioneer legacy continues as participation in the Fair grows. The winner will receive Science City tickets along with a Fair T-shirt and lapel pin.

*Winner: Penelope Goodwin, The Barstow School*

**Organization: Society for In Vitro Biology**

**Description:** Certificate to the most outstanding 11th grade student exhibiting in the areas of plant or animal in vitro biology or tissue culture.

*Winner: Benjamin Kameta, Olathe North High School*

**Organization: Society of Women Engineers - Kansas City Section**

**Description:** Society of Women Engineers is an organization that provides valuable opportunities for women in science and engineering to network, find support and develop their careers. The Kansas City section works to achieve the society's goals by reaching out to girls of all ages and encouraging them to pursue careers in STEM. 2 female senior division projects will be recognized.

*Senior: Grace Knight, Olathe North Sr. High School*

*Senior: Halle Reber, West Platte*

**Organization: The Society of American Military Engineers- The Greater Kansas City Post**

**Description:** Winners will receive a silver medal, a cash prize (\$100 each), and a certificate of achievement in the Senior Division for exemplary projects that reflect innovativeness, practical application, and leadership in each of the Earth & Environmental Science, Energy & Environmental Engineering, and Engineering Mechanics categories.

*Senior: Adriana Sarinana, Van Horn High School*

*Senior: Isobel Asbury, Center for Academic Achievement*

*Senior: Valeria Hernandez, Van Horn High School*

**Organization: The Thermo Fisher Scientific Advancing Equity through Innovation Award**

**Description:** Awarded to a junior division project that promotes an equitable society that is healthier, cleaner, or safer for all. Emphasis on providing opportunities for communities that don't have equal access. The project must satisfy all 3:

1. Have a focus on equity, by providing greater access to the same opportunities and outcomes

2. Make the world either healthier, cleaner, or safer

3. Use innovation to drive equitable access

*Junior: Diya Kiran Krishnan, The Barstow School*

*Junior: Hollis Grigsby*

*Junior: Katie Barnes, Christa McAuliffe Elementary School*

*Junior: Matthew Bright, Liberty Middle School*

**Organization: The United States Agency for International Development**

*Winner: Elizabeth Barnes, Shawnee Mission West High School and SMSD Biotechnology*

**Organization: The United States Air Force**

**Description:** The Air Force will give four equal awards in 2023. Each student prize will include a sling pack, Power Bank, USB Flash Memory Drive, USB Car Charger, and Official AF Certificate.

*Junior: Mikayla Fields, Antioch Middle School*

*Junior: Matthew Bright, Liberty Middle School*

*Junior: Ian Bradley, Oakhill Day School*

*Intermediate: Caroline Fenwick, Our Lady of the Presentation*

**Organization: The United States Metric Association**

**Description:** The U.S. Metric Association provides a certificate to be presented to the best senior level student whose project involves significant amount of quantitative measurement and which best uses the SI metric system for those measurements.

*Winner: Landon Quiason, Oak Hill Elementary*

**Organization: The Office of Naval Research (United States Navy & Marine Corps Science Award)**

**Description:** Each senior division winner receives a certificate, a medallion, and a \$50 gift certificate, while any other division will receive a certificate and medallion.

*Senior: Grace Knight, Olathe North Sr. High School*

*Senior: Isabella Ginie, Olathe North High School*

*Senior: Adriana Sarinana, Van Horn High School*

**Organization: Western Chapter of the Missouri Society of Professional Engineers**

**Description:** The Western Chapter of the Missouri Society of Professional Engineers presents its awards to individual projects that exhibit the application of outstanding engineering creativity, design and analysis. Our organization is committed to promoting the ethical practice of engineering to serve the public welfare. Through these awards, we desire to encourage and support students who will make up the next generation of professional engineers.

*Junior: Mikayla Fields, Antioch Middle School*

*Intermediate: Emilia Sosa, Belvidere*

**Organization: Wildwood Outdoor Education Center**

**Description:** Best Bio-Inspired Design Project Award - One project from intermediate and junior divisions is chosen based on how well the project utilizes inspiration from nature to solve a science or engineering problem.

*Junior: Penelope Goeken, Liberty Middle School*

*Intermediate: Oliver Kaffenberger*

**Organization: Yale Science & Engineering Association, Inc.**

**Description:** The Yale Science & Engineering Association, Inc. provides an award to the most outstanding 11th grade project exhibiting in the areas of Science, Technology, Engineering and Mathematics. In extraordinary cases it may be awarded to a 10th or 12th grade project.

*Winner: Valeria Hernandez, Van Horn High School*

