

WLWV Middle School Science Fair 2023

Judging Interviews: February 27, 2023

Award Ceremony: March 3, 2022 hosted by Meridian Creek Middle School

Regional Awards

[The Lemelson Early Inventor Prize](#)

The project that wins this award demonstrates problem-solving by identifying a critical problem, applies empathy and STEM knowledge to find a practical solution, displays entrepreneurial thinking by developing a tangible invention and develops an invention to solve a critical societal problem and improve the lives of others. This award comes with \$100.

Eshaan Rana, Taylor Carr Heuer *Is an Affordable Search and Find Robot Buildable?*

[Office of Naval Research Award](#)

The Naval Science and Engineering Award recognizes up to 3 exceptional students. The Office of Naval Research is pleased to support the education of future scientists and engineers of America. This award comes with a certificate and a medal.

Michael Candrian *Machine Learning with AWS Deepracer*

Shelby Karr, Ella Candrian *How Does Weather Affect Radiation?*

CREST Awards

[Best Demonstration of Field Knowledge](#)

This award goes to the student who indicates the best understanding of their topic and who can relate their work to other research in the field. This award comes with \$20 and a certificate

Oindri Mallick *Gender Biases In Occupations*

[Local Sustainability Award](#)

This award goes to the project who promotes sustainability and environmental stewardship in the community. This award comes with \$20 and a certificate.

Noel Hildenbrand, Elise Schwarzer *Where In West Linn Has the Most Contaminated Air?*

Most Creative Project Idea

The Most Creative Project award goes to a project that takes a unique approach to solving a scientific or technical problem and makes use of readily available materials to collect data or address a need. This award comes with \$20 and a certificate.

Eleora D'Souza *Visible Sound*

Susan Asher Memorial Award

Susan Asher was a beloved Social Studies teacher at Wood Middle School who exhibited an exceptional passion for teaching and inspired her students daily to engage with the world around them. She passed away in February 2012. This award recognizes the contributions student scientists make to understanding their fellow human beings and improving their lives through research. The award comes with \$20 and a certificate.

Abbie Wu, Kiera Kuehn *Exploring the Effects of Color Choice on Pencil Waste in Schools*

Best Overall Communication of Scientific Concepts

This award recognizes the project in which students most clearly communicated their knowledge of scientific concepts and used vocabulary and key concepts accurately. This award comes with \$20 and a certificate.

Aubrey Kerner, Maryam Al Medyadi, Delilah Leusch *Does Your Handsoap Meet the Bacteria-Killing Criteria?*

Best Project Board

This award recognizes the student with the most comprehensive, visually appealing, and thorough project display board. This award comes with \$20 and a certificate

Georgia Santos *How Different Factors Impact a Person's Ability to Identify AI-Generated Images*

Boone Award for Demonstrated Enthusiasm for Science

Dr. Maggie Boone has been instrumental in establishing science fairs in West Linn-Wilsonville schools. We recognize the inspiration and opportunity for scientific inquiry she helped to provide to many young scientists with this award. The award recognizes the students passion and enthusiasm for their project and scientific and/or engineering research. This award comes with \$20 and a certificate.

Fiona Wieland *Guinea Pig Memory*

Noteworthy Log Book

This award recognizes the student(s) with the most complete project notebook. A good logbook contains documentation of project's progress from beginning to end and includes the student's thoughts, trials, and accomplishments through all phases of project. The award comes with \$20 and a certificate.

Odessa Akervall *Ready Or Not, Here AI Comes!*

Best Experimental Design

This award recognizes the project with the best adherence to the principles of controlled experimental design, including selection of samples/subjects, type and design of treatment application, use of appropriate procedures, and careful recording of data. This award comes with \$20 and a certificate.

Aidan Wieland *Searching Cereal*

Promising Young Scientist

To the 6th grade students who present thoughtful, well-conducted experiments that show promise of greater things to come. This award comes with \$20 to be split amongst project teammates and a certificate.

Palmer Rotkowski, Macall Fox *Elephant Toothpaste Status*

Noel Hildenbrand, Elise Schwarzer *Where In West Linn Has the Most Contaminated Air?*

Category Awards

Life Science - 1st Place

This award comes with \$30.

Niyati Bhaskar *Cyanocide*

Life Science - 2nd Place

This award comes with \$20

Aubrey Kerner, Maryam Al Medyadi, Delilah Leusch *Does Your Handsoap Meet the Bacteria-Killing Criteria?*

Life Science - 3rd Place

This award comes with \$15

Odessa Akervall *Ready Or Not, Here AI Comes!*

Griffin Reim *Environmental Variations and the Pupation Success of Tenebrio molitor*

Life Science – Honorable Mention

Milo Jordan *Blackberry Plant Propagation and its Limits*

Oindri Mallick *Gender Biases In Occupations*

Physical Science - 1st place

This award comes with \$30.

Aidan Wieland *Searching Cereal*

Physical Science – 2nd place

This award comes with \$20

Jack Morozov, Henry Erickson *Lego Laser Scanner VS Faro Focus*

Physical Science – 3rd place

This award comes with \$15

Eleora D'Souza *Visible Sound*

Physical Science – Honorable Mention

Ellie Johnson *Cooling Sprite*

Shelby Carr and Ella Candrian *How Does Weather Effect Radiation?*

Junior Innovators Challenge Nominations

Nomination to apply to the 2023 Thermo Fisher Scientific Junior Innovators Challenge

These projects are invited to submit their projects to the Thermo Fishers Scientific Junior Innovators Challenge! The JIC, previously known as the Broadcom MASTERS, is the nation's premier STEM research competition for middle school students. Nominees are chosen among the top 10% of the 6th, 7th, and 8th grade competitors at a Society-affiliated science and engineering fair. All nominees who submit an application will receive a T-shirt and other prizes, including a special edition booklet of Invention and Innovation articles from Science News Learning, courtesy of The Lemelson Foundation. Entrants join the Society alumni network and are officially Thermo Fisher JIC alumni! Entries are judged during the summer and 300 top projects will be announced on September 6, 2023. From these Top 300 students, 30 finalists and one parent/guardian will win an all-expense-paid trip to the national finals week in Washington, DC to showcase their projects, compete in teams and visit sites that celebrate innovation through science, technology, engineering, and mathematics.

Niyati Bhaskar *Cyanocide*

Aubrey Kerner, Maryam Al Medyadi, Delilah Leusch *Does Your Handsoap Meet the Bacteria-Killing Criteria?*

Aidan Wieland *Searching Cereal*

2023 State Science Fair Nominations

This year the state science fair director joined us as a judge for our district science fair. She was so impressed with the quality of the projects that she saw that she has invited ALL WLWV middle school students to compete in the state science fair on April 21, 2023 at Portland State University!

Griffin Reim
Austin Cox
Georgia Santoso
Abbie Wu
Kiera Kuehn
Oindri Mallick
Zoe Anderson
Milo Jordan
Odessa Akervall
Jack Jensen
Avani Patel
Ronan Nothwang
King Cannaday
Kailey Yourg
Naman Pradhan
Fiona Wieland
Riley Webster
Stella Bolstad
Niyati Bhaskar
Robinson Whitcomb
Joshua Delgado
Antonio Olivarez
Michael Candrian
Aidan Wieland
Shelby Karr
Ella Candrian
Tulson Dalglish
Alex Moody
Eleora D'Souza
Aubrey Kerner
Maryam Al Medyadi
Delilah Leusch
Timothy Lee
Lucy Johnson
Finley Parker
Ananya Ilanchelian

Noel Hildenbrand
Elise Schwarzer
Meri Hunanyan
Aarna Eudibilli
Palmer Rotkowski
Macall Fox
Grayson Zhang
Clo Quaranto
Aidan Crisp
Ari Huffstutter
Eshaan Rana
Taylor Carr Heuer
Jack Morozov
Henry Erickson
Brianna Chen
Luna Woo
Kyle Hull
Schaeffer Donahue
Wesley Gilbert
Ellie Johnson