

2024 West Linn-Wilsonville Middle School Science Fair

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.

Sneha Kumar, Water Purification

Victor Guarisco, How Metal density affects mass loss

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.

Brianna Chen, Ella Chen, Stormwater Runoff Prevention

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.

Fiona Wieland, Eleora D'Souza, Operation GPGP

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.

Brianna Chen, Ella Chen, Stormwater Runoff Prevention

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.

Ananya Ilanchelian, Efficiencies of Water Disinfection Methods

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

Dorian Smith, The SCOOP On The STROOP

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.

Kailey Young, Edible Water Bottle

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.

Jack Jensen, Creating a Self-Learning Automation with Neuroevolution

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.

Clara Fassett, How Emotions affect Pulse

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.

Timmy Lee, Watts UP with Hydropower

William Emmons, How different types of wood burn differently

Devin Brookfield, Transparent Wood

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.

Ella Pyle, Moisturizing Makeup

Ali Azizi, Benjamin Chiovaro, How Does The Color of Light Affect the Speed of Growth?

Life Sciences

First Place

This award comes with \$30

Lucy Johnson, Luci Reid, Be Wise and Sanitize

Second Place

This award comes with \$20

Ananya Ilanchelian, Efficiencies of Water Disinfection Methods

Third Place

This award comes with \$15

Aidan Crisp, Ari Huffstutter, Kyle Hull, How Household Chemicals Affect Organic Material

Honorable Mention

Isabel Poppe, Rya Gunn, Family and Fingerprints

Honorable Mention

Dorian Smith, The SCOOP On The STROOP

Physical Sciences

First Place

This award comes with \$30

Odessa Akervall, Tell it to me straight: Assessing Linguistic Concordance of Translated Text using NLP

Second Place

This award comes with \$20

Naman Pradhan, Stepping Into the Future: Harnessing Renewable Energy From Footsteps for Sustainable Living

Third Place

This award comes with \$15

Owen Ecker, Exploring Flight Through Engineering Design

Honorable Mention

Nate Dixon, Wesley Gilbert, Schaeffer Donahue, Biofuels vs. Fossil Fuels

Honorable Mention

Taylor Carr Heuer, Eshaan Rana, Search & Find

NWSE

Advancing to the state -level science fair, the Northwest Science Expo, at Portland State University on April 5, 2024.

Isabel Poppe, Rya Gunn
Elliott Roper, Calvin Palmer, Marcellino Vu
Shelby Karr, Ella Candrian
Fiona Wieland, Eleora D'Souza

Robinson Whitcomb
Saveri Sundaram
Harper Madden
Stella Bolstad, Riley Webster

Ali Azizi, Benjamin Chiovaro
Kylie Hempen
Hailey Steinkamp, Amelia Swingle, Katherine
Vazquez-Alcala
Devin Brookfield
Jack Jensen
Odessa Akervall
Bronwen Hodney, Shelby Reid
Caleb Blalock
Naman Pradhan
Sneha Kumar
Kailey Yourg

Lucy Johnson, Luci Reid
Ananya Ilanchelian
Aidan Crisp, Ari Huffstutter, Kyle Hull
Dorian Smith
Owen Ecker
Nate Dixon, Wesley Gilbert, Schaeffer Donahue
Taylor Carr Heuer, Eshaan Rana
Timmy Lee
Victor Guarisco
Brianna Chen, Ella Chen
Clara Fassett
Hannah Li

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.

Naman Pradhan, Stepping Into the Future: Harnessing Renewable Energy From Footsteps for Sustainable Living

Nomination to apply to the 2024 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 2024. 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.

Lucy Johnson, Luci Reid, Be Wise and Sanitize
Ananya Ilanchelian, Efficiencies of Water Disinfection Methods
Aidan Crisp, Ari Huffstutter, Kyle Hull, How Household Chemicals Affect Organic Material
Odessa Akervall, Tell it to me straight: Assessing Linguistic Concordance of Translated Text using NLP
Naman Pradhan, Stepping Into the Future: Harnessing Renewable Energy From Footsteps for Sustainable Living

Owen Ecker, Exploring Flight Through Engineering Design