

## Middle School Special Awards

<a href="#">Special Award</a>	<a href="#">Award Sponsor</a>	<b>Title</b>	<b>Student List</b>	<a href="#">Organization</a>	<b>Adult Sponsor</b>
Middle School Best of Fair	Dr. David Hackleman	What Effect Do Different Egg Carton Configurations Have On Impact Force?	Jeremy Lim	Summa Stoller	Todd Freiboth
Middle School Best of Fair	Dr. David Hackleman	Can A Functional Prosthetic Arm Be Built Using Simple Materials And Basic Programming?	Aanya Mehta	Abiqua Academy	Bijal Mehta
Broadcom Coding with Commitment	Broadcom Foundation	How AI can help in ADHD/Community?	Syon Bhendigeri	Beaverton Academy of Science and Engineering	Melody Childers
Thermo Fisher Advancing Equity through Innovation	Thermo Fisher Scientific	Can I build and design a sustainable water generating chamber that can consistently generate and distribute water for a plant?	Roy Kim	Summa Whitford	Carolee Dearborn
Thermo Fisher Advancing Equity through Innovation	Thermo Fisher Scientific	Transforming Everyday Motion into Energy: A Study on Kinetic Power for Urban Energy	Krish Telang	Summa Stoller	Todd Freiboth
Thermo Fisher Advancing Equity through Innovation	Thermo Fisher Scientific	A Cost Effective Method and System for Detecting Nanoplastics	Shanran Lee	Summa Stoller	Todd Freiboth
Thermo Fisher Advancing Equity through Innovation	Thermo Fisher Scientific	Chemical Vs. Natural cleaners	Sam Grater	Ashbrook Independent School	Jennifer Henry
Thermo Fisher Advancing Equity through Innovation	Thermo Fisher Scientific	Can A Functional Prosthetic Arm Be Built Using Simple Materials And Basic Programming?	Aanya Mehta	Abiqua Academy	Bijal Mehta
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Slope Failure	Avery Rhea	ACCESS Academy	Alfonso Garcia Arriola
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	On the openings of chess, an exploration of the percentages of victory and defeat at the master level.	Forrest Matlow Bach	ACCESS Academy	Alfonso Garcia Arriola

Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	AI Generated Images and Gender Bias.	Deacon Burton	Summa Whitford	Carolee Dearborn
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Can I build and design a sustainable water generating chamber that can consistently generate and distribute water for a plant?	Roy Kim	Summa Whitford	Carolee Dearborn
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Propagating succulents in a variety of liquids and soil to understand the assembly of simple propagati	Ishaan Sankar	Summa Whitford	Carolee Dearborn
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	How effective antifungal herbs are against yeast	Taruni Sriram	Stoller Middle School	Georgi Harris
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	The Perfumer's science: Testing Carriers and Bio-Fixatives in Perfume Chemistry	Maya Harikrishna	Beaverton Academy of Science and Engineering	Melody Childers
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Mirrors Spacing Effect on Depth of the Image in an Infinity Mirror	Akshaj Saini	Beaverton Academy of Science and Engineering	Melody Childers
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Dual Wavelength Polarimetry for Checking Combination Drug Concentrations	Leo Bang	Summa Stoller	Todd Freiboth
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Evaluation of How Well Moisturizing Cream Retains Moisture on a JELL-O Skin Model	Vedika Dessai	Summa Stoller	Todd Freiboth
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Spectroscopic Ripeness Detection Using Photoresistor Based Circuit	Vivasvan Kuruveri	Summa Stoller	Todd Freiboth

Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	A Cost Effective Method and System for Detecting Nanoplastics	Shanran Lee	Summa Stoller	Todd Freiboth
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	What Effect Do Different Egg Carton Configurations Have On Impact Force?	Jeremy Lim	Summa Stoller	Todd Freiboth
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	How does proximity to underground storage tanks affect how plants will grow in the soil?	Alice Fuller	Whitford Middle School	Jennifer Deeb
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Which Birdseed do Native Birds Prefer?	Blake Wienberg	The Marylhurst School	Emily Ramirez
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Just Give Me Five Minutes	Bebel Hallstrom	The Marylhurst School	Emily Ramirez
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	How Print Properties Affect the Water Tightness of a 3D Print	Avery Neice	Lake Oswego Middle School	Aimee Ponteri
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Are Fingerprint Patterns Genetically Inherited?	Preksha Apoorvi	Lake Oswego Middle School	Aimee Ponteri
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Farm To Lab: A Comparative Study Of Mass Loss over Time in PCR-Verified GMO And Non-GMO Produce	Orly Frank	German International School	Bettina Gregg
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Power for Decades Without Recharging: A Proof-of-Concept Nuclear Battery Technology with Safe, Low-Energy Beta Radiation	Albert Liu	Willamette Valley Academy	Kyle Golden

Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Mushrooms vs. Microplastics: Accelerating PLA Degradation in Oregon Soil Environments via Pleurotus ostreatus Enzymatic Catalysis	Prisha Aswal, Tvisha Nasarpuri	Willamette Valley Academy	Kyle Golden
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	CART-KIDS- Convenience, Not Cost, Drives Ultra-Processed Food & Carcinogen Exposure in Children's Grocery Carts	Vihaan Manipatruni	Willamette Valley Academy	Kyle Golden
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Eye in the Sky: From Pixels to Predictions for Lithium and Beyond	Ishaan Dokania	Willamette Valley Academy	Kyle Golden
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Evaluating Calcium Supplement Absorption: A Study for Osteoporosis Prevention	Reyansh Gautam	Summa Tumwater	Kirk Koehler
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	The Big Bond Theory: Evaluating the Strength of Home-Brewed Eco-Adhesives.	Nitya Thungathurti	Summa Tumwater	Kirk Koehler
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	The Point of No Return: Scrambling a Rubik's Cube	Nischal Amgai	Summa Meadow	Meaghan Ferris
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Fungi Forte: Can Music Accelerate Fungi Growth?	Surya Terrall	Summa Meadow	Meaghan Ferris
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	How does Humidity Affect Violin Intonation	Lydia Chen	Summa Meadow	Meaghan Ferris
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Carbon - Aluminum Battery	Jason Lin	Summa Meadow	Meaghan Ferris

Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Automated Pill Dispensers	Ayza Tanriover	International School of Beaverton Middle School	Colin Seebach
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Robot Dog	Maksim Kourt	West Sylvan Middle School	Thea Keith
Thermo Fisher Scientific Junior Innovators Challenge	Thermo Fisher Scientific	Can A Functional Prosthetic Arm Be Built Using Simple Materials And Basic Programming?	Aanya Mehta	Abiqua Academy	Bijal Mehta
Citadel Securities Innovation Prize	Citadel Securities	Power for Decades Without Recharging: A Proof-of-Concept Nuclear Battery Technology with Safe, Low-Energy Beta Radiation	Albert Liu	Willamette Valley Academy	Kyle Golden
NASA Earth System Science Award	NASA	Eye in the Sky: From Pixels to Predictions for Lithium and Beyond	Ishaan Dokania	Willamette Valley Academy	Kyle Golden
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	How Does Mechanically Exfoliating Graphite Cause Its Resistance to Change?	Antonio Donato	ACCESS Academy	Alfonso Garcia Arriola
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Automated Beach Restoration: Using Neural Networks To Design A Robot For Real-Time Trash Sorting	Alice Ruan	Summa Whitford	Carolee Dearborn
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Exploring Coffin Corner	Maxwell Powers	Yamhill Carlton School District	Elizabeth Dillow
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Power for Decades Without Recharging: A Proof-of-Concept Nuclear Battery Technology with Safe, Low-Energy Beta Radiation	Albert Liu	Willamette Valley Academy	Kyle Golden

Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Eye in the Sky: From Pixels to Predictions for Lithium and Beyond	Ishaan Dokania	Willamette Valley Academy	Kyle Golden
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Evaluating Calcium Supplement Absorption: A Study for Osteoporosis Prevention	Reyansh Gautam	Summa Tumwater	Kirk Koehler
NOAA's Taking the Pulse of the Planet	National Oceanic and Atmospheric Administration	Ocean Acidification and How it Affects Coral	Isla Wright, Lena Goodman	ACCESS Academy	Alfonso Garcia Arriola
Outstanding Aquatic Related Environmental Science Project	Lake Oswego Corporation	Can cyanobacteria improve wastewater quality?	Adhrit Singh	Three Rivers Charter School	Danielle Grenier Schroeder
Outstanding Aquatic Related Environmental Science Project	Lake Oswego Corporation	Protecting Aquatic Health: Machine Learning Forecasting of Dissolved Oxygen	Achyut Balaji	Willamette Valley Academy	Kyle Golden
Outstanding Aquatic Related Environmental Science Project	Lake Oswego Corporation	Natural Root Filters for Microplastic Clean Up	Aanvi Singh	International School of Beaverton Middle School	Colin Seebach
Outstanding Project by a 5th Grade Student	Pacific NW Society for Coating Technology	If Live Gives you Lemons...Make a Battery	Casey Hutton -Tine	Class Academy	Jessica Dodson
Outstanding Project by a 5th Grade Student	Pacific NW Society for Coating Technology	Amazing Architecture	Juniper Stout	Class Academy	Jessica Dodson
Outstanding Project by a 5th Grade Student	Pacific NW Society for Coating Technology	Rotting Away with Cucumbers	Simon Ulbricht	Class Academy	Jessica Dodson
Outstanding Research in Psychology	American Psychological Association	Does your handwriting affect your personality?	Ava Hershman, Neve Kelley	Cascades Academy of Central Oregon	Anne-Marie Eklund
Outstanding Use of the International System of Units	U.S. Metric Association	The Rocket Equation	Josh Hayner, Vincent Heraeus	Cascades Academy of Central Oregon	Anne-Marie Eklund

Outstanding Use of the International System of Units	U.S. Metric Association	Building Better Boba: How Does the Concentration of Sodium Alginate and Calcium Lactate Affect Spherification?	June Ramirez	The Marylhurst School	Emily Ramirez
Outstanding Use of the International System of Units	U.S. Metric Association	The Effectiveness of Low-Cost Treatments on Improving the Fire Resistance of Common Building Materials such as Wood	Zunyra Kadri	International School of Beaverton Middle School	Colin Seebach
Ricoh Sustainable Development Award	Ricoh Corporation	Can We Create a Natural Dye That Lasts Just as Long as a Synthetic Dye Through a Series of Tests?	Frances Berg, Nina Bi	Summa Whitford	Carolee Dearborn
Student Award for Geoscience Excellence	Association Of Women Geoscientists	The Crystal Chronicles	Shubha Das, Tara Sunil, Divi Hoskote	Summa Tumwater	Kirk Koehler
The Lemelson Early Inventor Prize	The Lemelson Foundation	Optimizing Crop Yield via Real-Time Soil Monitoring.	Krithi Ketineni	Summa Tumwater	Kirk Koehler
Tom Owen Award for Excellence in Statistics	Oregon Chapter of the American Statistical Association	Protecting Aquatic Health: Machine Learning Forecasting of Dissolved Oxygen	Achyut Balaji	Willamette Valley Academy	Kyle Golden
Tom Owen Award for Excellence in Statistics	Oregon Chapter of the American Statistical Association	CART-KIDS- Convenience, Not Cost, Drives Ultra-Processed Food & Carcinogen Exposure in Children's Grocery Carts	Vihaan Manipatruni	Willamette Valley Academy	Kyle Golden
Tom Owen Award for Excellence in Statistics	Oregon Chapter of the American Statistical Association	The Effectiveness of Low-Cost Treatments on Improving the Fire Resistance of Common Building Materials such as Wood	Zunyra Kadri	International School of Beaverton Middle School	Colin Seebach
Tom Owen Honorable Mention	Oregon Chapter of the American Statistical Association	Slope Failure	Avery Rhea	ACCESS Academy	Alfonso Garcia Arriola
Tom Owen Honorable Mention	Oregon Chapter of the American Statistical Association	How Does Mechanically Exfoliating Graphite Cause Its Resistance to Change?	Antonio Donato	ACCESS Academy	Alfonso Garcia Arriola

Tom Owen Honorable Mention	Oregon Chapter of the American Statistical Association	The Effects of Sock Material on Sock Durability	Lucy Dahl	Summa Whitford	Carolee Dearborn
Tom Owen Honorable Mention	Oregon Chapter of the American Statistical Association	Detecting Diabetic Retinopathy through AI Modeling	Nandana Madala	Summa Tumwater	Kirk Koehler
U.S. Air Force Outstanding Project	U.S. Air Force	The Effects of Weight on a Robot	Summit Fleskes, Elliot Douglas	ACCESS Academy	Alfonso Garcia Arriola
U.S. Air Force Outstanding Project	U.S. Air Force	How Does An Increase In Mass Affect An Arrow's Velocity And Kinetic Energy	Hazel Adams	Cascades Academy of Central Oregon	Anne-Marie Eklund
U.S. Air Force Outstanding Project	U.S. Air Force	Can teachers determine whether a text is written by a student or generated by AI without using an AI detector?	Simrit Munjal	Stoller Middle School	Georgi Harris
U.S. Air Force Outstanding Project	U.S. Air Force	Knock on Wood	Aditi Dhananjay	Summa Stoller	Todd Freiboth
U.S. Air Force Outstanding Project	U.S. Air Force	Which Swimsuit Should I Buy? - How Much Water Do Various Swimsuits Absorb per Gram of Material?	Aika Ratchford	International School of Beaverton Middle School	Colin Seebach
Water Prize Award of Excellence	Water Environment Federation	Macro invertebrates as an Indicator of our Neighborhood Watershed Health	Noah Yoo, Henry Wolfe, Sanjay Vadapalli	Conestoga Middle School	Melody Childers
Water Prize Award of Excellence	Water Environment Federation	A Cost Effective Method and System for Detecting Nanoplastics	Shanran Lee	Summa Stoller	Todd Freiboth

## Middle School Category Awards

Category	Place	Title	Student List	Organization	Adult Sponsor
Animal Science and Microbiology	First Place	Which Birdseed do Native Birds Prefer?	Blake Wienberg	The Marylhurst School	Emily Ramirez
Animal Science and Microbiology	Second Place	Are Fingerprint Patterns Genetically Inherited?	Preksha Apoorvi	Lake Oswego Middle School	Aimee Ponteri
Animal Science and Microbiology	Third Place	Bacteria Sensitivity and Cleaning Products	Mahina Lowry	International School of Beaverton Middle School	Colin Seebach
Animal Science and Microbiology	Third Place	How Different Rein Lengths Affect The Biomechanics Of a Horses Movement	Starlyn Webb, Roxy Webb	Cascades Academy of Central Oregon	Anne-Marie Eklund
Animal Science and Microbiology	Honorable Mention	Chemical Vs. Natural cleaners	Sam Grater	Ashbrook Independent School	Jennifer Henry

Animal Science and Microbiology	Honorable Mention	Is the 5 second rule real?	Jill Peloquin	Yamhill Carlton School District	Elizabeth Dillow
Behavioral and Social Science	First Place	Human Emotion Detection	Om Shah	Tumwater Middle School	Kirk Koehler
Behavioral and Social Science	Second Place	Just Give Me Five Minutes	Bebel Hallstrom	The Marylhurst School	Emily Ramirez
Behavioral and Social Science	Third Place	AI Generated Images and Gender Bias.	Deacon Burton	Summa Whitford	Carolee Dearborn
Behavioral and Social Science	Honorable Mention	Can teachers determine whether a text is written by a student or generated by AI without using an AI detector?	Simrit Munjal	Stoller Middle School	Georgi Harris
Behavioral and Social Science	Honorable Mention	Positive Reinforcement and Task Perception & Performance	Isabel Liu	Lake Oswego Middle School	Aimee Ponteri
Chemistry	First Place	The Perfumer's science: Testing Carriers and Bio-Fixatives in Perfume Chemistry	Maya HariKrishna	Beaverton Academy of Science and Engineering	Melody Childers
Chemistry	Second Place	Dual Wavelength Polarimetry for Checking Combination Drug Concentrations	Leo Bang	Summa Stoller	Todd Freiboth
Chemistry	Third Place	Making Edible Plastic from Waste	Sansita Premchander	Summa Meadow	Meaghan Ferris
Chemistry	Honorable Mention	Pennies Oxidizing depending on the pH of Liquids	Welly Packard	Winterhaven Middle School	Brian Jay Dyer
Chemistry	Honorable Mention	How Different Types of Cross-Linking Agents Affect Polymers	Emberly Bruhn	Summa Whitford	Carolee Dearborn
Computer Science and Robotics	First Place	Can A Functional Prosthetic Arm Be Built Using Simple Materials And Basic Programming?	Aanya Mehta	Abiqua Academy	Bijal Mehta
Computer Science and Robotics	Second Place	A Novel AI-Powered Real-Time Web Detoxifier for Safe but Unrestricted Browsing	Wilson Chen	Summa Meadow	Meaghan Ferris
Computer Science and Robotics	Third Place	A Novel Approach For AI-Powered Quantitative Biofilm Analysis	Akshitha Karthik	Summa Stoller	Todd Freiboth
Computer Science and Robotics	Third Place	Robot Dog	Maksim Kourt	West Sylvan Middle School	Thea Keith
Computer Science and Robotics	Honorable Mention	Automated Beach Restoration: Using Neural Networks To Design A Robot For Real-Time Trash Sorting	Alice Ruan	Summa Whitford	Carolee Dearborn
Computer Science and Robotics	Honorable Mention	Simulating Prosthetic Control Using Force Sensors and a 3D-Printed Prosthetic Hand	Vedaant Ruiwale	Tumwater Middle School	Kirk Koehler
Consumer Products and Materials Testing	First Place	The Big Bond Theory: Evaluating the Strength of Home-Brewed Eco-Adhesives.	Nitya Thungathurti	Summa Tumwater	Kirk Koehler
Consumer Products and Materials Testing	Second Place	How Print Properties Affect the Water Tightness of a 3D Print	Avery Neice	Lake Oswego Middle School	Aimee Ponteri
Consumer Products and Materials Testing	Third Place	Evaluation of How Well Moisturizing Cream Retains Moisture on a JELL-O Skin Model	Vedika Dessai	Summa Stoller	Todd Freiboth
Consumer Products and Materials Testing	Third Place	What Material is Best for Soccer Cleats?	Kyle Smith, Jaylen Doty	Cascades Academy of Central Oregon	Anne-Marie Eklund

Consumer Products and Materials Testing	Third Place	The Effectiveness of Low-Cost Treatments on Improving the Fire Resistance of Common Building Materials such as Wood	Zunyra Kadri	International School of Beaverton Middle School	Colin Seebach
Consumer Products and Materials Testing	Honorable Mention	Making a homemade eco-friendly Pistachio Nut Shell air-freshener	Aaminah Iqbal, Qirat Fatima	Stoller Middle School	Georgi Harris
Consumer Products and Materials Testing	Honorable Mention	It's Lotion Time!	Finnley Dougherty	Class Academy	Jessica Dodson
Consumer Products and Materials Testing	Honorable Mention	Cloud Catching	Adam Rasheed	Winterhaven Middle School	Brian Jay Dyer
Earth, Weather and Mineral Science	First Place	Eye in the Sky: From Pixels to Predictions for Lithium and Beyond	Ishaan Dokania	Willamette Valley Academy	Kyle Golden
Earth, Weather and Mineral Science	Second Place	Slope Failure	Avery Rhea	ACCESS Academy	Alfonso Garcia Arriola
Earth, Weather and Mineral Science	Third Place	Take It With a Grain of (Epsom) Salt.	Au Kukreti	Winterhaven Middle School	Brian Jay Dyer
Earth, Weather and Mineral Science	Honorable Mention	Desalination of water	Henry Brezina	Rosemont Ridge Middle School	Jessamyn Van Hook
Earth, Weather and Mineral Science	Honorable Mention	Ocean Acidification and How it Affects Coral	Isla Wright, Lena Goodman	ACCESS Academy	Alfonso Garcia Arriola
Energy and Clean Water	First Place	Power for Decades Without Recharging: A Proof-of-Concept Nuclear Battery Technology with Safe, Low-Energy Beta Radiation	Albert Liu	Willamette Valley Academy	Kyle Golden
Energy and Clean Water	Second Place	Carbon - Aluminum Battery	Jason Lin	Summa Meadow	Meaghan Ferris
Energy and Clean Water	Third Place	Transforming Everyday Motion into Energy: A Study on Kinetic Power for Urban Energy	Krish Telang	Summa Stoller	Todd Freiboth
Energy and Clean Water	Third Place	Do Larger Batteries Make Better Motors?	Charlie LeBlanc	Lake Oswego Middle School	Aimee Ponteri
Energy and Clean Water	Honorable Mention	If Live Gives you Lemons...Make a Battery	Casey Hutton - Tine	Class Academy	Jessica Dodson
Energy and Clean Water	Honorable Mention	Natural Filtration System	Vismay Sangodkar, Shruthi Ganeshkumar, Ishwantia Ravi	Beaverton Academy of Science and Engineering	Melody Childers
Energy and Clean Water	Honorable Mention	Nature's Cleanse-turning kitchen scraps into a safer healthier water supply	Lasya Singaraju	Summa Stoller	Todd Freiboth
Engineering	First Place	Automated Pill Dispensers	Ayza Tanriover	International School of Beaverton Middle School	Colin Seebach
Engineering	Second Place	Bridges Spanning the Gap	Wyatt Noggle	Classical Conversations of Coos Bay	Heather Clausen
Engineering	Third Place	Spectroscopic Ripeness Detection Using Photoresistor Based Circuit	Vivasvan Kuruveri	Summa Stoller	Todd Freiboth

Engineering	Honorable Mention	Wrist-worn wearable device that integrates biosensors and systematically records data to generate alerts.	Nick Pradhan	Meridian Creek Middle School	Becca Strohm
Engineering	Honorable Mention	Can I build and design a sustainable water generating chamber that can consistently generate and distribute water for a plant?	Roy Kim	Summa Whitford	Carolee Dearborn
Engineering	Honorable Mention	Designing a Water-Based CO2 Filtration System	Jithuli Weerasekera	Summa Whitford	Carolee Dearborn
Environmental Science	First Place	A Cost Effective Method and System for Detecting Nanoplastics	Shanran Lee	Summa Stoller	Todd Freiboth
Environmental Science	Second Place	Mushrooms vs. Microplastics: Accelerating PLA Degradation in Oregon Soil Environments via Pleurotus ostreatus Enzymatic Catalysis	Prisha Aswal, Tvisha Nasarpuri	Willamette Valley Academy	Kyle Golden
Environmental Science	Third Place	Low-cost moss-based biosensing using light signatures with Fiji/ImageJ Software	Shaayan Punj	Summa Whitford	Carolee Dearborn
Environmental Science	Third Place	Effects of Mycorrhizal Fungi on Environmental Phosphate Reduction in Bioretention Cells	Alex Streifer	Summa Whitford	Carolee Dearborn
Environmental Science	Third Place	Come Break Down with My Strawberries	Lucy Wilson	Class Academy	Jessica Dodson
Environmental Science	Honorable Mention	Macro invertebrates as an Indicator of our Neighborhood Watershed Health	Noah Yoo, Henry Wolfe, Sanjay Vadapalli	Conestoga Middle School	Melody Childers
Food Science	First Place	CART-KIDS- Convenience, Not Cost, Drives Ultra-Processed Food & Carcinogen Exposure in Children's Grocery Carts	Vihaan Manipatruni	Willamette Valley Academy	Kyle Golden
Food Science	Second Place	Farm To Lab: A Comparative Study Of Mass Loss over Time in PCR-Verified GMO And Non-GMO Produce	Orly Frank	German International School	Bettina Gregg
Food Science	Third Place	Honey vs Sugar: The Sweet Fight Against Mold	Elise Bacon	Ashbrook Independent School	Jennifer Henry
Food Science	Third Place	ACID - BASED BAKING	Diana Rahmanian	Whitford Middle School	Ben Kuykendall
Food Science	Honorable Mention	Hot Ice Cream	Eddie Tu	Lake Oswego Middle School	Aimee Ponteri
Food Science	Honorable Mention	How Does the pH of a Proteolytic Substance Affect the Substance's Proteolytic Activity Over the Course of 24 Hours?	Gia Suh	Summa Whitford	Carolee Dearborn
Mathematics and Data Reasoning	First Place	What is the Equation for the tower of Hanoi	Merritt Burkhart	Yamhill Carlton School District	Elizabeth Dillow
Mathematics and Data Reasoning	Second Place	On the openings of chess, an exploration of the percentages of victory and defeat at the master level.	Forrest Matlow Bach	ACCESS Academy	Alfonso Garcia Arriola
Mathematics and Data Reasoning	Third Place	The Point of No Return: Scrambling a Rubik's Cube	Nischal Amgai	Summa Meadow	Meaghan Ferris
Mathematics and Data Reasoning	Honorable Mention	Exploring Coffin Corner	Maxwell Powers	Yamhill Carlton School District	Elizabeth Dillow

Mathematics and Data Reasoning	Honorable Mention	Which method will randomize number patterns	Kaia McMullen	Yamhill Carlton School District	Elizabeth Dillow
Medicine and Health Sciences	First Place	Evaluating Calcium Supplement Absorption: A Study for Osteoporosis Prevention	Reyansh Gautam	Summa Tumwater	Kirk Koehler
Medicine and Health Sciences	Second Place	How effective antifungal herbs are against yeast	Taruni Sriram	Stoller Middle School	Georgi Harris
Medicine and Health Sciences	Third Place	Using Convolutional Neural Network (CNN) for Early Detection of Melanoma	Faisal Alaloosi	Oregon Islamic Academy	Sahar Bassyouni
Medicine and Health Sciences	Honorable Mention	Detecting Cognitive Decline through Handwriting Analysis	Cayden Hutchinson, Dhruv Walwadkar	Summa Meadow	Meaghan Ferris
Physics	First Place	What Effect Do Different Egg Carton Configurations Have On Impact Force?	Jeremy Lim	Summa Stoller	Todd Freiboth
Physics	Second Place	Mirrors Spacing Effect on Depth of the Image in an Infinity Mirror	Akshaj Saini	Beaverton Academy of Science and Engineering	Melody Childers
Physics	Third Place	How does Humidity Affect Violin Intonation	Lydia Chen	Summa Meadow	Meaghan Ferris
Physics	Third Place	Knock on Wood	Adivi Dhananjay	Summa Stoller	Todd Freiboth
Physics	Third Place	Albedo Assignment	Francis Alapatt, Rhett Qualls, Diego Davila Elizondo	West Sylvan Middle School	Thea Keith
Physics	Honorable Mention	Rainbow Fire	Zoe Murcott	Winterhaven Middle School	Brian Jay Dyer
Physics	Honorable Mention	How Does An Increase In Mass Affect An Arrow's Velocity And Kinetic Energy	Hazel Adams	Cascades Academy of Central Oregon	Anne-Marie Eklund
Physics	Honorable Mention	Candle Carousel: An Exploration of Thermal Energy	Elias Brizuela Villavicencio	Lake Oswego Middle School	Aimee Ponteri
Plant Sciences	First Place	How does proximity to underground storage tanks affect how plants will grow in the soil?	Alice Fuller	Whitford Middle School	Jennifer Deeb
Plant Sciences	Second Place	Propagating succulents in a variety of liquids and soil to understand the assembly of simple propagati	Ishaan Sankar	Summa Whitford	Carolee Dearborn
Plant Sciences	Third Place	Too Sour to Sprout? How pH affects radish sprout growth.	Elise Moore	Winterhaven Middle School	Brian Jay Dyer
Plant Sciences	Third Place	Fungi Forte: Can Music Accelerate Fungi Growth?	Surya Terrall	Summa Meadow	Meaghan Ferris
Plant Sciences	Third Place	Polluted Pollen	Anne Brinkerhoff	Rachel Carson Environmental Middle School	Melody Childers
Plant Sciences	Honorable Mention	Natural Root Filters for Microplastic Clean Up	Aanvi Singh	International School of Beaverton Middle School	Colin Seebach
Plant Sciences	Honorable Mention	How does pH of the soil affect plant growth?	Benjamin Chiovaro, Ali Azizi	Meridian Creek Middle School	Becca Strohm