



**NORTHWEST SCIENCE EXPO
2021 VIRTUAL MIDDLE
SCHOOL AWARD CEREMONY**

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We had many individuals at other levels or who chose to remain anonymous.



CATEGORY AWARDS

All First place projects receive \$50 from the category sponsor, all places receive a ribbon.

**ANIMAL SCIENCES
SPONSORED BY COLUMBIA-
WILLAMETTE CHAPTER OF
SIGMA XI**

- **3rd : Jasper Gu, Summa Stoller**
- **3rd : Ezra Oncken, Cascades Academy of Central Oregon**
- **2nd : Sarah Ionis, Beaverton Academy of Science and Engineering**
- **2nd : Yuxuan Liu, Summa Whitford**
- **1st : Julia Masini, Summa Whitford**

**BEHAVIORAL AND SOCIAL SCIENCE
SPONSORED BY PORTLAND
ALCOHOL RESEARCH CENTER AT
OHSU & VAMC**

- **HM : Mailea Sass, Summa Whitford**
- **HM : Chloe Margason, Sophia You, Meadow Park Middle School**
- **HM : Aasha Patel, West Linn Wilsonville Middle Schools**
- **3rd : Samantha Moylan, Bridlemile Elementary School**
- **2nd : Samson Naleway, Summa Whitford**
- **1st : Annie Dubal, The Marylhurst School**

CHEMISTRY

SPONSORED BY THE BILOW GROUP

- **HM : Tejaswani Datla, Stoller Middle School**
- **HM : Layan Alkhateeb, Oregon Islamic Academy**
- **HM : Jade Fogg, Beaverton Academy of Science and Engineering**
- **3rd : Sanika Chaudhari, Summa Stoller**
- **2nd : Madeline Rejab, Summa Whitford**
- **1st : Autri Das, Summa Stoller**

COMPUTER SCIENCE AND ROBOTICS SPONSORED BY ECLIPSE TECHNOLOGIES

- **HM : Sahit Jayaweera, Meadow Park Middle School**
- **HM : Tanay Chitlur, Stoller Middle School**
- **HM : Keshav Arora, Meadow Park Middle School**
- **HM : Emaad Khawaja, Summa Whitford**
- **3rd : Orié Zadok, Robert Gray Middle School**
- **3rd : Richard Deng, ACCESS Academy @ Lane**
- **3rd : Zachary Santoso, West Linn Wilsonville Middle Schools**
- **2nd : Vendanti Patil, Summa Stoller**
- **2nd : Rosalie Liu, Summa Stoller**
- **1st : Sana Shah, Catlin Gabel School**

CONSUMER PRODUCTS TESTING SPONSORED BY TORTUGA EARLY INSTRUMENTS

- **HM : Bodie Dimmig, Bend Science Station**
- **HM : Kavin Ramadoss, Summa Meadow**
- **3rd : Linley Fawcett, Bridlemile Elementary School**
- **2nd : Kriti Guthikonda, Nivedha Sathish-Kumar,
Ankita Badrinarayanaraj, Stoller Middle School**
- **1st : Avni Gulrajani, Summa Stoller**

EARTH, WEATHER AND MINERAL SCIENCE SPONSORED BY COLUMBIA-WILLAMETTE CHAPTER OF SIGMA XI

- **HM : Sharan Pai, ACCESS Academy @ Lane**
- **3rd : Trinity Austin, Yamhill Carlton School District**
- **3rd : Zachary Schatzberg, Cascades Academy of Central Oregon**
- **2nd : Preethi Pinto, Summa Stoller**
- **2nd : Jenell Theobald, Summa Whitford**
- **1st : Sohan Govindaraju, Summa Stoller**

**ENERGY
SPONSORED BY NORTHWEST
ENGINEERING SERVICE, INC.**

- **HM : Nora LeBlanc, Metro Montessori Middle School**
- **HM : Aaron Roscher, St. Francis of Assisi School**
- **HM : Sam Cline, West Linn Wilsonville Middle Schools**
- **3rd : Aparna Kamath, Valley Catholic Middle School**
- **3rd : Ruben Yoder, Summa Whitford**
- **3rd : Dylan Baker, Meadow Park Middle School**
- **2nd : Achyutan Veeraraghavan, Summa Meadow**
- **1st : Skye Knox, Bend Science Station**

ENGINEERING SPONSORED BY RALPH M COHEN CONSULTANCY

- **HM : Susan Moseley, Stoller Middle School**
- **HM : Owen Peterson, Summa Meadow**
- **3rd : Anusha Jeyakumar, Stoller Middle School**
- **2nd : Vihaan Paliwal, Carden Cascade Academy**
- **1st : Mason Lewis, Summa Whitford**

ENVIRONMENTAL SCIENCE SPONSORED BY PATTON FAMILY

- **HM : Tara Shenoy-Kudpi, Meadow Park Middle School**
- **HM : Luke Miller, Davis Joy, The Marylhurst School**
- **HM : Julianna Tai, Summa Whitford**
- **3rd : Niyati Bhaskar, West Linn Wilsonville Middle Schools**
- **3rd : Mia Madland, Leslie Middle School**
- **3rd : Simone Alexander, Bend Science Station**
- **2nd : Arjun Agarwal, Summa Stoller**
- **1st : Brennan McEwen, ACCESS Academy @ Lane**

FOOD SCIENCE

SPONSORED BY DR. LARRY SHERMAN

- **HM : Aarushi Anand, Beaverton Academy of Science and Engineering**
- **3rd : Kylie Jacobson, Bridlemile Elementary School**
- **3rd : Lucas Triplett, Cascades Academy of Central Oregon**
- **2nd : Ali Heinly, Bend Science Station**
- **1st : Sam Hartoch, Robert Gray Middle School**

MATHEMATICAL SCIENCES SPONSORED BY STEPHEN & ESTHER PORTNOY

- **HM : Kai McFarland, Meadow Park Middle School**
- **HM : Torsten Nordstrom, Yamhill Carlton School District**
- **HM : Evelyn Bickford, Summa Whitford**
- **3rd : Lucas Partin, Yamhill Carlton School District**
- **2nd : Aashi Dixit, Summa Stoller**
- **1st : Anay Aggarwal, Summa Stoller**

MEDICINE AND HEALTH SCIENCES SPONSORED BY OREGON HEALTH & SCIENCES UNIVERSITY

- **HM : Ariya Lippincott, Cascades Academy of Central Oregon**
- **HM : Thahseena Nguyen, Summa Meadow**
- **HM : Sydney Hofmann, Robert Gray Middle School**
- **HM : Shreemoyee Saha, Stoller Middle School**
- **HM : Aman Reddy, Bridlemile Elementary School**
- **HM : Luke Fawcett, Robert Gray Middle School**
- **3rd : Akshara Ashok, Summa Whitford**
- **3rd : Shriya Marla, Meadow Park Middle School**
- **3rd : Vaani Aga, Yaamini Aga, West Linn Wilsonville Middle Schools**
- **2nd : Sai-Harshith Kodali, Stoller Middle School**
- **2nd : Shriya Pai, ACCESS Academy @ Lane**
- **1st : Anika Gandikota, Summa Stoller**

PHYSICS
SPONSORED BY CLAUDE &
FLORENCE ZELLER

- **HM : Anirudh Tumuluru, Bridlemile Elementary School**
- **HM : Tejas Pandit, Dinesh Puranik, Brandon Kojiro, Meadow Park Middle School**
- **3rd : Ella Hefty, Beaverton Academy of Science and Engineering**
- **2nd : Halle Longgood, Summa Whitford**
- **2nd : Gavin Tate, St. Francis of Assisi School**
- **1st : Dane Eichelberger, Cascades Academy of Central Oregon**

PLANT SCIENCES SPONSORED BY OREGON FOREST RESOURCES INSTITUTE

- **HM : Arjun Pai, Stoller Middle School**
- **HM : Thomas Fredricks, The Marylhurst School**
- **3rd : Luna Han, The Marylhurst School**
- **3rd : Noelle Plasse, Lake Oswego Junior High**
- **2nd : Celia Wood, Mason Ford, The Marylhurst School**
- **1st : Casey Hermanson, Bend Science Station**

SPECIAL AWARDS

Special awards are offered by many different local and national organizations.

OUTSTANDING RESEARCH IN PSYCHOLOGY

- **sponsored by American Psychological Association**
- **certificate**
 - **Chloe Margason, Sophia You, Meadow Park Middle School**

OUTSTANDING PROJECT IN AN ATMOSPHERIC SCIENCE EXHIBIT

- **sponsored by American Meteorological Society**
- **certificate**
 - **Sharan Pai, ACCESS Academy @ Lane**
 - **Luke Miller, Davis Joy, The Marylhurst School**

OUTSTANDING GEOSCIENCE PROJECT

- **sponsored by Association Of Women Geoscientists**
- **certificate**
 - **Preethi Pinto, Summa Stoller**

OUTSTANDING AQUATIC RELATED ENVIRONMENTAL SCIENCE PROJECT

- **sponsored by Lake Oswego Corporation**
- **certificate & \$50**
 - **Mia Madland, Leslie Middle School**

NASA EARTH SYSTEM SCIENCE AWARD

- **sponsored by NASA**
- **certificate**
 - **Sophie Lafrenz, Robert Gray Middle School**

NOAA'S TAKING THE PULSE OF THE PLANET

- **sponsored by National Oceanic and Atmospheric Administration**
- **certificate**
 - **Trinity Austin, Yamhill Carlton School District**
 - **Arjun Agarwal, Summa Stoller**

OUTSTANDING NATURAL RESOURCES SCIENCE PROJECT

- **sponsored by Pacific NW Research Station, USDA
Forest Service**
- **plaque**
 - **Brennan McEwen, ACCESS Academy @ Lane**

OUTSTANDING PROJECT IN WATER QUALITY

- **sponsored by U.S. Geological Survey, Oregon Water Science Center employees (no federal funds used)**
- **certificate & cash award**
 - **Addison Tuning, Yamhill Carlton School District**
 - **Zachary Schatzberg, Cascades Academy of Central Oregon**
 - **Vrushab Karthik, Stoller Middle School**

SUSTAINABLE DEVELOPMENT AWARD

- **sponsored by Ricoh Corporation**
- **certificate**
 - **Eisuke Hirota, Summa Stoller**
 - **Autri Das, Summa Stoller**

SCIENCE CHAMPION AWARD

- **sponsored by U.S. Agency for International Development**
- **certificate**
 - **Vrushab Karthik, Stoller Middle School**

OUTSTANDING USE OF THE INTERNATIONAL SYSTEM OF UNITS

- **sponsored by U.S. Metric Association**
- **certificate**
 - **Casey Hermanson, Bend Science Station**
 - **Ali Heinly, Bend Science Station**
 - **Aashi Dixit, Summa Stoller**

U.S. AIR FORCE OUTSTANDING PROJECT

- **sponsored by U.S. Air Force**
- **certificate**
 - **Vaani Aga, Yaamini Aga, West Linn Wilsonville Middle Schools**
 - **Madeeha Ansari, Oregon Islamic Academy**
 - **Dylan Baker, Meadow Park Middle School**

NAVAL EXCELLENCE IN SCIENCE AND ENGINEERING AWARD

- **sponsored by Office of Naval Research, US Navy and Marine Corps**
- **Certificate & medal**
 - **Vendanti Patil, Summa Stoller**
 - **Madeline Rejab, Summa Whitford**
 - **Tanay Chitlur, Stoller Middle School**
 - **Sai-Siddharth Nalamalpu, Stoller Middle School**
 - **Ruben Yoder, Summa Whitford**

TOM OWEN HONORABLE MENTION

- **sponsored by Oregon Chapter of the American Statistical Association**
- **certificate**
 - **Vendanti Patil, Summa Stoller**
 - **Tanay Chitlur, Stoller Middle School**
 - **Bodie Dimmig, Bend Science Station**
 - **Avni Gulrajani, Summa Stoller**
 - **Sohan Govindaraju, Summa Stoller**
 - **Jenell Theobald, Summa Whitford**
 - **Skye Knox, Bend Science Station**
 - **Simone Alexander, Bend Science Station**
 - **Brennan McEwen, ACCESS Academy @ Lane**
 - **Evelyn Bickford, Summa Whitford**

TOM OWEN AWARD FOR EXCELLENCE IN STATISTICS

- **sponsored by Oregon Chapter of the American Statistical Association**
- **certificate and \$50**
 - **Arjun Agarwal, Summa Stoller**
 - **Ali Heinly, Bend Science Station**
 - **Casey Hermanson, Bend Science Station**

The background features a black field with several flowing, ribbon-like shapes. On the left, there are green ribbons that curve upwards and then downwards. On the right, there are orange and yellow ribbons that curve downwards and then upwards. The ribbons have a slight gradient and a soft glow, giving them a three-dimensional appearance.

VERY SPECIAL AWARDS

OUTSTANDING PROJECT BY A 5TH GRADE STUDENT

- **sponsored by Pacific NW Society for Coating Technology**
 - **\$50**
 - **Linley Fawcett, Bridlemile Elementary School**
 - **Trinity Austin, Yamhill Carlton School District**
 - **Sharan Pai, ACCESS Academy @ Lane**
 - **Kylie Jacobson, Bridlemile Elementary School**

BROADCOM MASTERS NOMINATION

- **sponsored by The Broadcom Foundation**
- **All 1st and 2nd place category winners are nominated to compete in the Broadcom Masters. The first step is an online application. From those applications, 30 students are selected from across the United States to compete in October in Washington DC.**

THE LEMELSON EARLY INVENTOR PRIZE

- **sponsored by The Lemelson Foundation**
- **Certificate and \$100**
 - **Vihaan Paliwal, Carden Cascade Academy**

DAUGHTERS OF EVE EXCELLENCE IN SCIENCE AWARD

- **sponsored by Daughters of Eve**
- **certificate & \$100**
 - **Autri Das, Summa Stoller**

BROADCOM CODING WITH COMMITMENT

- **sponsored by Broadcom Foundation**
- **Certificate, \$250 and Raspberry Pi Foundation
Official RP 400 Personal Computer Kit**
 - **Sana Shah, Catlin Gabel School**

BEST OF FAIR

- **sponsored by Catalyst Education and Career Pathways**
- **trophy and \$100**
 - **"On the Use of a Machine Learning Model to Improve the Time Complexity of Finding the Inverse of a Matrix" by: Anay Aggarwal, Summa Stoller**
 - **"FaceMaskNet- An AI based face mask detection and alerting system." by: Sana Shah, Catlin Gabel School**

THANK YOU EVERYONE!

- I hope you enjoyed the virtual fair experience, next year we hope to return to an in person fair. To that end fundraising has begun for 2022. Online donations can be made using our Donate Today button at nwse.org or by mailing a check. If your company would like to be a listed sponsor, please contact me at nwse@pdx.edu
- Stephanie Jones-fair director