

Intel NWSE State High School Special Awards - Press Report

Special awards are sponsored by a variety of organizations. The prizes are determined by the sponsors and range from certificates to large sums of cash.

For more information contact Stephanie Jones: 503-703-3590

State HS Special Awards

<i>Title</i>	<i>Sponsor</i>	<i>Student(s)</i>	<i>School</i>	<i>Project Title</i>
Army Outstanding High School Project in Engineering <i>Description:</i> Certificate and Savings bond (\$100), Medallion	Army Research Office, U.S. Army	Philip Muñoz	Merlo Station High School	(HS-EG-102) Accelerated Angular Scanning in Holographic Data Storage
Army Outstanding High School Project in Environmental Science <i>Description:</i> Certificate and Savings bond (\$50)	Army Research Office, U.S. Army	Jason Kniss	Southridge High School	(HS-EV-139) Improving Efficiency of Riparian Buffers: A Novel Solution for Improving the Efficiency of Riparian Buffers for Sustainable Water Quality and Watershed Health.
Excellence in Statistics <i>Description:</i> Two \$75 awards and one \$50 award	American Statistical Association	Peggy Moser, Valerie Rippey, Kasey Grewe	Oregon Episcopal Upper School	(HS-ZO-051) Methylmercury Levels in Tuna
Excellence in Statistics <i>Description:</i> Two \$75 awards and one \$50 award	American Statistical Association	Elyse Hope	Oregon Episcopal Upper School	(HS-SP-021) Creating a Novel Program for Determining the Three-Dimensional Movement Rates of Sunspots and Active Solar Magnetic Regions: Year 2
Excellence in Statistics <i>Description:</i> Two \$75 awards and one \$50 award	American Statistical Association	Timothy Harris	Columbia River High School	(HS-ME-148) Glutamate's Role in Antinociceptive Processing within the Ventrolateral Periaqueductal Gray Matter of the Mesencephalon of the Rat
Honorable Mention Best in Communication Society Engineering <i>Description:</i> Certificate	IEEE Communication Society	Nicholas Horres, Isaac Zaworski, Alex Willard	Merlo Station High School	(HS-PH-165) Acousto-Optic Laser Pirating
Honorable Mention Best in Computer Society Engineering <i>Description:</i> certificate	IEEE Computer Society	Alan Pierce, Nate Broussard	Merlo Station High School	(HS-CO-022) Combining Text Recognition Methods for Increased Accuracy
Honorable Mention Best in Power Engineering <i>Description:</i> Certificate	IEEE Oregon	Kellie Tremaine	Girl Scouts - Col. River Council	(HS-EG-099) Manufacturing Identical Windmill Blades

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Innovative Engineering Award	National Society of Professional Engineers	Patrick Chen	Oregon Episcopal Upper School	(HS-PH-205) Incorporating a Pendulum for the purpose of the study of the magnetic induction, and its variables
<i>Description:</i> Award packet w/ poster, pin, certificate and subscription to Engineering Times				
Innovative Engineering Award	National Society of Professional Engineers	Loren Paulsen	West Salem High School	(HS-EG-160) A study of the properties of single-bubble sonoluminescence
<i>Description:</i> Award packet w/ poster, pin, certificate and subscription to Engineering Times				
Intel Excellence in Computer Science	Intel Corporation	Alan Pierce, Nate Broussard	Merlo Station High School	(HS-CO-022) Combining Text Recognition Methods for Increased Accuracy
<i>Description:</i> \$200, certificate, memento				
Julie Becker Award	Youth Exploring Science	Shane Walker	Lakeview High School	(HS-BI-086) USING BOVINE FECES AS AN ASPHALT BIOREMEDIATE
<i>Description:</i> \$1000, certificate, book, and biography of Julie Becker				
Most Effective Use of Photography	Eastman Kodak Company	Cassandra Wills	Gold Beach High School	(HS-BE-161) Facial Physiognomy and Temperament
<i>Description:</i> Certificate, Photo Kit to student & teacher				
Most Effective Use of Photography	Eastman Kodak Company	Orion VanHoesen	Lakeview High School	(HS-PH-196) Differentiating Wave Patterns in H ₂ O and Carbon-Based Alcohols with Respect to Surface Tension Effects caused by Changing Concentration of NaCl.
<i>Description:</i> Certificate, Photo Kit to student & teacher				
Most Effective Use of Photography	Eastman Kodak Company	Mond Guo	Sunset High School	(HS-PH-199) What Factors Influence the Appearance of Scratch Holograms
<i>Description:</i> Certificate, Photo Kit to student & teacher				
Mu Alpha Theta Award	Mu Alpha Theta	Matthew Tierney	Westview High School	(HS-MA-034) Finding Varieties in Nonlinear Systems using Algebraic-Geometry and Maple
<i>Description:</i> Certificate				
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Pip Allen	Oregon Episcopal Upper School	(HS-EG-092) R/C Rock Crawler
<i>Description:</i> Certificate and gift certificate and medal				
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Philip Muñoz	Merlo Station High School	(HS-EG-102) Accelerated Angular Scanning in Holographic Data Storage
<i>Description:</i> Certificate and gift certificate and medal				
Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Mond Guo	Sunset High School	(HS-PH-199) What Factors Influence the Appearance of Scratch Holograms
<i>Description:</i> Certificate and gift certificate and medal				

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Naval Excellence in Science and Engineering Award	Office of Naval Research, US Navy and Marine Corps	Kathryn King	McNary High School	(HS-EG-076) The Design and Construction of a Clinostat for Educational and Research Purposes
<i>Description:</i> Certificate and gift certificate and medal				
Outstanding Aquatic Related Environmental Science Project	Lake Oswego Corporation	Jessica Bufford	Columbia River High School	(HS-EV-107) The Effect of the Flushing Channel on Vancouver Lake Water Quality
<i>Description:</i> \$50				
Outstanding Chemistry Project	American Chemical Society, Portland Section	Da Lin	Westview High School	(HS-CH-141) Evaluation of cis-cis HOONO Production by Laser Photolysis through Modeling of Reaction Kinetics
<i>Description:</i> \$250, certificate				
Outstanding Chemistry Related Project	Iota Sigma Pi	Xuelin Lu	Westview High School	(HS-BI-049) lynx1 Expression in Cancer
<i>Description:</i> \$25, book, certificate				
Outstanding Creativity In Engineering	Society of Women Engineers	Kathryn King	McNary High School	(HS-EG-076) The Design and Construction of a Clinostat for Educational and Research Purposes
<i>Description:</i> Certificate and cash prize				
Outstanding Engineering Project	IEEE Oregon	Philip Muñoz	Merlo Station High School	(HS-EG-102) Accelerated Angular Scanning in Holographic Data Storage
<i>Description:</i> Certificate and plaque				
Outstanding Geoscience Project	Association Of Women Geoscientists	Michelle Watson	Lakeview High School	(HS-EV-162) Finding a relationship between pH, sulfate (SO ₄) levels, and temperature in geothermal pools and geysers affected by earthquakes.
<i>Description:</i> certificate				
Outstanding Mathematics Project	Oregon Council of Teachers of Mathematics	Matthew Tierney	Westview High School	(HS-MA-034) Finding Varieties in Nonlinear Systems using Algebraic-Geometry and Maple
<i>Description:</i> Plaque				
Outstanding Project by an 11th Grade Student	Yale University Science and Engineering Association	Ellen Kim	Columbia River High School	(HS-EG-077) The Effect of Varying Potential and Duration in Platinum-Iridium Scanning Tunneling Microscope Probe Tip Making in the Development of Molecular Nanotechnology
<i>Description:</i> Certificate				

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Outstanding Project in an Atmospheric Science Exhibit <i>Description:</i> certificate	American Meteorological Society	Maja Schling	Oregon Episcopal Upper School	(HS-EA-026) The frequency and intensity of hurricanes Have they increased because of global warming over the last hundred years?
Outstanding Project in an Atmospheric Science Exhibit <i>Description:</i> certificate	American Meteorological Society	Matty Jeronimo	Wilsonville High School	(HS-EA-031) Relative Accuracy of Modern Weather Prediction
Outstanding Project in Communications Engineering <i>Description:</i> Plaque and Certificate	IEEE Communication Society	Philip Muñoz	Merlo Station High School	(HS-EG-102) Accelerated Angular Scanning in Holographic Data Storage
Outstanding Project in In Vitro Biology <i>Description:</i> Certificate	Society for in Vitro Biology	Scott Saiget	Oregon Episcopal Upper School	(HS-MI-050) Optimizing Hydrogen Production from Chlamydomonas reinhardtii
Outstanding Project in Materials Science <i>Description:</i> certificate	ASM International Foundation	Amin Kolbehdari	Liberty High School	(HS-PH-197) The Development of New Theory and Applications for Multi-Mode Left-Handed Materials
Outstanding Project in Nuclear Science/Engineering <i>Description:</i> Student membership in American Nuclear Society, certificate	Packaging Technology, Inc.	Loren Paulsen	West Salem High School	(HS-EG-160) A study of the properties of single-bubble sonoluminescence
Outstanding Project in Optical Science and Engineering <i>Description:</i> Certificate	SPIE-The International Society for Optical Engineering	Philip Muñoz	Merlo Station High School	(HS-EG-102) Accelerated Angular Scanning in Holographic Data Storage
Outstanding Project in Optical Science and Engineering <i>Description:</i> Certificate	SPIE-The International Society for Optical Engineering	Mond Guo	Sunset High School	(HS-PH-199) What Factors Influence the Appearance of Scratch Holograms
Outstanding Project in Plant Biology <i>Description:</i> \$50	OSU Department of Botany and Plant Pathology	Michael Olson, Chad Schlottmann	Gold Beach High School	(HS-BO-093) The Influence of Mycorrhizal and Fertilizer Treatments on Tree Seedlings in Fire-Affected Soils
Outstanding Project in Power Engineering <i>Description:</i> Certificate and plaque	IEEE Oregon Power Society	Tim Kendrick	Lakeview High School	(HS-CH-140) The use of denitrifying bacteria in the removal of nitrous oxides from biomass power generation emissions.

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Outstanding Project in Water Quality <i>Description:</i> T-shirt	U.S. Geological Survey	Katie VanderWeele	Oregon Episcopal Upper School	(HS-BO-087) Removal of Arsenic from Drinking Water by Water Hyacinths
Outstanding Research in Psychology <i>Description:</i> Certificate	American Psychological Association and Teachers of Psychology in Secondary Schools	Jacob Reisberg	Oregon Episcopal Upper School	(HS-BE-100) Tracking Eye-movements to Examine the Influence of Visual Bias on Eyewitness Examination of Police Photospreads
Outstanding Science Project About Forests <i>Description:</i> Plaque	Pacific NW Research Station, USDA Forest Service	Sheila Van Prooyen	Gold Beach High School	(HS-EV-141) Environmental Differentiation of Pinus contorta on Serpentine Soil
Outstanding Use of the International System of Units <i>Description:</i> certificate	U.S. Metric Association	Kathryn King	McNary High School	(HS-EG-076) The Design and Construction of a Clinostat for Educational and Research Purposes
Project Best Illustrating Surgeon General's Health Recommendations <i>Description:</i> Certificate	U.S. Public Health Service	Paul Sobolewski	Columbia River High School	(HS-ME-088) The effects of protein, caffeine, and ephedrine on weight changes of mice.
PSU Maseeh College of Engineering and Computer Science Computer Sciences Scholarship <i>Description:</i> \$3000 scholarship	PSU College of Engineering and Computer Science	Solly Reisberg	Oregon Episcopal Upper School	(HS-CO-019) Using a Neural Network for Automated Analysis of Spectral Data
PSU Maseeh College of Engineering and Computer Science Computer Sciences Scholarship <i>Description:</i> \$3000 scholarship	PSU College of Engineering and Computer Science	Alan Pierce, Nate Broussard	Merlo Station High School	(HS-CO-022) Combining Text Recognition Methods for Increased Accuracy
PSU Maseeh College of Engineering and Computer Science Engineering Scholarship <i>Description:</i> \$3000 scholarship	PSU College of Engineering and Computer Science	Philip Muñoz	Merlo Station High School	(HS-EG-102) Accelerated Angular Scanning in Holographic Data Storage
PSU Maseeh College of Engineering and Computer Science Engineering Scholarship <i>Description:</i> \$3000 scholarship	PSU College of Engineering and Computer Science	Kathryn King	McNary High School	(HS-EG-076) The Design and Construction of a Clinostat for Educational and Research Purposes

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Studies in Aging	Oregon Geriatric Education Center	Allison Rhines	Oregon Episcopal Upper School	(HS-ME-091) An Analysis of Brain Tissue Sections for Proteins Targeted by the Genotoxicant Methylazoxymethanol (MAM)
<i>Description:</i> \$100, certificate				
U.S. Regional Stockholm Junior Water Prize	Water Environment Federation	Caitlin Machado	Lakeview High School	(HS-EV-155) The Influence of Geothermal Activity on Stream Water Chemistry, Case Study: Twenymile Watershed
<i>Description:</i> Certificate, invitation to compete for State Stockholm Junior Water Prize				