
Intel NWSE State High School Category Awards Press Report

Some of the students that participated in the Intel NWSE had already participated in one of 6 regional science expos around Oregon. Those students participated in the state fair on 4/2. Other students had no opportunity to participate in a regional fair in their area. They participated for awards in the NWSE At-Large regional fair on 4/2. Like all the students that participated in regional fairs, these students were also eligible for state fair awards if their projects were among the best in the entire fair. These students were judged simultaneously for the regional and state fairs.

For more information contact Mike Ellison: 503-703-3590

HM = Honorable Mention

Behavioral & Social Sciences

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	BE	Molly Morgan	Oregon Episcopal Upper School	(HS-BE-004) The Media's Influence on Male's and Female's Perception of Body Image in Grade Levels One Through Twelve
2nd	BE	Cassandra Wills	Gold Beach High School	(HS-BE-085) Enhanced Team Productivity Using the Keirsey Temperament Sorter
3rd	BE	Jared Mueller, Alexis Rhiannon	Oregon Episcopal Upper School	(HS-BE-002) Family Background, Self-Esteem, and Academic Performance: Is There a Link?

Biochemistry

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	BI	Sergio Zenisek	Oregon Episcopal Upper School	(HS-BI-002) Controlling the encapsulation of ribonucleic acid in bilayer phospholipid vesicles through dehydration/rehydration cycles
2nd	BI	Mark Munoz	Merlo Station High School	(HS-BI-023) The Effects of Leptin on Fat Intake
3rd	BI	Holland MacLaurie	Gold Beach High School	(HS-BI-021) Genetic Variation in the Abies procera - Abies magnifica Complex

Botany

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	BO	Allison Blackwell	Gold Beach High School	(HS-BO-050) Influence of Leaf Characteristics on 'Sudden Oak Death' Susceptibility
2nd	BO	Lenka Ilcisin	Oregon Episcopal Upper School	(HS-BO-040) A Study of the Germination Rate and Percentage for Wild Carrot
3rd	BO	Cami Wendlandt	Merlo Station High School	(HS-BO-008) MMHC & Growth Rate in Peas

Chemistry

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	CH	Brandon Lei	Oregon Episcopal Upper School	(HS-CH-003) Do Fresher Fruits Reap in More Antioxidants?
2nd	CH	Eric Wang	Southridge High School	(HS-CH-048) The Efficacy of Hydrogen Peroxide in Swimming Pool Disinfection
3rd	CH	Henry Behel	Oregon Episcopal Upper School	(HS-CH-007) Making and Testing Blue Fireworks

Computer Sciences

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	CO	Ben Weintraub	Sunset High School	(HS-CO-009) Port Knocking: A New Implementation of Authentication Across Closed Ports
		Also receives: PSU College of Engineering and Computer Science Computer Sciences Scholarship	Sponsored by: PSU College of Engineering and Computer Science	Includes: \$3000 scholarship
		Also receives: Intel Excellence in Computer Science	Sponsored by: Intel Corporation	Includes: \$200, certificate, memento
2nd	CO	Solly Reisberg	Oregon Episcopal Upper School	(HS-CO-004) Computer Simulation as a Tool forEvaluating the Relationship Between Driving Habits and Automobile Exhaust Pollution
		Also receives: PSU College of Engineering and Computer Science Computer Sciences Scholarship	Sponsored by: PSU College of Engineering and Computer Science	Includes: \$3000 scholarship
3rd	CO	Kyle Kingsbury	Merlo Station High School	(HS-CO-011) Two Systems for Digital Content Management and Presentation

Earth and Space Sciences

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	EA	Elyse Hope	Oregon Episcopal Upper School	(HS-EA-002) A STUDY IN THE CORRELATION BETWEEN THE MOVEMENT RATES OF SUNSPOTS AND ACTIVE SOLAR MAGNETIC REGIONS USING A NOVEL MEASUREMENT METHOD
2nd	EA	Will Taylor	Gold Beach High School	(HS-EA-024) Effectiveness of Postfire Straw Mulch Soil Erosion Treatments
3rd	EA	Yvonne Yamanaka	Oregon Episcopal Upper School	(HS-EA-011) The Influence of Prograde and Retrograde Galaxy Rotation on the Morphology and Composition of Interacting Galaxy Pairs

Engineering

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	EG	Aitor Maiz	Catlin Gabel School	(HS-EG-051) Synthesis and Characterization of Tungsten Oxide Nanowires and their Conversion to Tungsten Sulfide Nanotubes
		Also receives: PSU College of Engineering and Computer Science Engineering Scholarship	Sponsored by: PSU College of Engineering and Computer Science	Includes: \$3000 scholarship
		Also receives: CTL Corporation Award	Sponsored by: CTL Corporation	Includes: Computer monitor
2nd	EG	Kathryn King	West Salem High School	(HS-EG-059) Energy Efficiency and Construction of Windows
		Also receives: PSU College of Engineering and Computer Science Engineering Scholarship	Sponsored by: PSU College of Engineering and Computer Science	Includes: \$3000 scholarship
3rd	EG	Ryna Karnik	Oregon Episcopal Upper School	(HS-EG-044) A Non-Photolithographic Approach to the Construction of N-Type MOSFET Devices Using FIB Technology

Environmental Sciences

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	EV	Mike Olson	Gold Beach High School	(HS-EV-094) Wildfire Affected Soils and Rhizosphere Recovery
		Also receives: Intel Excellence in Environmental Health and Safety	Sponsored by: Intel Corporation	Includes: \$200, certificate, memento
2nd	EV	Katie Herbage	Gold Beach High School	(HS-EV-101) Wood Fiber Filters as Water Contaminant Removal Systems: Year Two
3rd	EV	Jason Kniss	Southridge High School	(HS-EV-080) Reducing Sedimentary Runoff

Gerontology

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	GE	Reid Olsen	Cleveland High School	(HS-GE-001) An Investigation of the Possible Gender Dependency of the Effects of CD44-/- on Brain Function
2nd	GE	Ann Bulskov	Gold Beach High School	(HS-GE-007) The Effects of Physical Exercise on Women Compared to Age

Large Team

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	LT	Stephanie Griffin, Georgi Mitev, Bau Kim, Zak Costello, Brian Maloney	Crescent Valley High School	(HS-LT-022)
		Also receives: Discover Science Award	Sponsored by: Discover Science	Includes: Plaque, lab equipment for school
2nd	LT	Michelle Lewis, Alex Dreisin, Robert Davenport, Colin Ackerman, Katherine Perry	Oregon Episcopal Upper School	(HS-LT-002) The Effects of the Fanno Creek Restoration on the Water Quality of the OES Wetlands

Mathematics

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	MA	Anarghya Vardhana	Jesuit High School	(HS-MA-007) A Study of a Prime Determining Algorithm in Polynomial Time
2nd	MA	Melissa Giottonini	Gold Beach High School	(HS-MA-011) Mathematical Growth of the Biscuit Fire
3rd	MA	Alyssa Grant	CREST (West Linn-Wilsonville Proj	(HS-MA-005) Investing in stocks by random, technical, and fundamental selection

Medicine & Health

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	ME	Allison Landstrom	Southridge High School	(HS-ME-055) The Effects of the Relaxin Hormone on the Laxity of Male and Female Anterior Cruciate Ligament Tissue, In Vitro
2nd	ME	Tiiu Magi	Oregon Episcopal Upper School	(HS-ME-003) A Comparison of the Effects of Different Types of Tea, Caffeine, and Catechol on Bacterial Growth
3rd	ME	Dimitris Stavrakis	Oregon Episcopal Upper School	(HS-ME-002) How Does Surgical Stress Affect Arterial and Venous Blood Gas Levels?
3rd	ME	Rachel Reitmeyer, Elaine Hulteng	CREST (West Linn-Wilsonville Proj	(HS-ME-051) THE EFFECTS OF ASPARTAME OBSERVED IN THE METABOLISM OF ALBINO MICE

Microbiology

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	MI	Allison Rhines	Oregon Episcopal Upper School	(HS-MI-028) A Comparative Study of the Effectiveness of Anti-Microbial Agents in Reducing Oral Biofilms
2nd	MI	Briana Carp	Oregon Episcopal Upper School	(HS-MI-004) A Comparative Study of the Formation of Biofilms of Staphylococcus epidermidis on Four Different Orthopedic Implant Materials
3rd	MI	Doretta Dunham	Gold Beach High School	(HS-MI-037) Antimicrobial Properties of Woods

Physics

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	PH	Michael Coulter	Oregon Episcopal Upper School	(HS-PH-106) A Novel Growth Method For Silicon Oxide Nanowires
2nd	PH	Allison Solanki	Glencoe High School	(HS-PH-132) Catalytic growth and characterization of ZnO nanowires and nanobelts
3rd	PH	Ozan Unlu, Michael Chau, Thomas Saiget	Oregon Episcopal Upper School	(HS-PH-104) Determining Mean Lifetime of Cosmic Ray Muons to Support Special Relativity: Time Dilation

Zoology

<i>Place</i>	<i>Category</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	ZO	Thomas Stout	Oregon Episcopal Upper School	(HS-ZO-015) Effect of pH and water temperature on the regeneration of hydra.
2nd	ZO	Nick Thiessen	Oregon Episcopal Upper School	(HS-ZO-005) The Effects of the Y chromosome on the Behavior and Anatomy of Female Drosophila with Attached-X Syndrome
3rd	ZO	Grant Snitker	West Salem High School	(HS-ZO-046) A statistical comparison of terrestrial arthropods in old-growth and mature forests