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# *Intel NWSE At Large Regional Fair High School Category Awards Press Report*

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*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*

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## **Behavioral & Social Sciences**

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Noelle Pervere, Sean Malarkey	Skyview High School	( HS-BE-050) The difference in cognitive abilities between men and women
2nd	Zachary Smith	Skyview High School	( HS-BE-052) Human Behavioral Human Responses To Cinematography Techniques
3rd	Stephanie Wonser, Mallory Young	La Salle High School	( HS-BE-029) An Analysis of the Human Being's Ability to Percieve the Passage of Time

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## **Botany**

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Alexandra Covington	Skyview High School	( HS-BO-031) The Effect of Light Intensity on the Photosynthesis Rate of Aquatic Plants
2nd	Danielle Marck	Catlin Gabel School	( HS-BO-054) The Effects of Teflon on Philodendrons
3rd	Kyrie Peterson	Skyview High School	( HS-BO-033) Ph Level in Soil Effect on Cellular Respiration in Pea Plants
HM	Emily Tjuanakis	Catlin Gabel School	( HS-BO-037) Physical Adjustments of Auxin Levels in Flowering Plants
HM	Divya Sachdev	Catlin Gabel School	( HS-BO-036) The Effect of Vitamin C on healing leaf injuries.

## Chemistry

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Tristan Wagner	Lincoln High School	( HS-CH-044) Conductive Polymer Gels in Porphyrin-Sensitized Solar Cells: Variation of Acid Component
2nd	Thomas Chen, Sharat Ganapati	Skyview High School	( HS-CH-046) Atmospheric Chemical Instabilities
3rd	Kevin Mahr, Roshan Patel	Benson High School	( HS-CH-061) Patel Mahr Low Pressure Diamonds

## Engineering

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Aitor Maiz	Catlin Gabel School	( HS-EG-051) Synthesis and Characterization of Tungsten Oxide Nanowires and their Conversion to Tungsten Sulfide Nanotubes
2nd	Meher Vasdev, Nikhil Prem, Clint Perlaki	Crescent Valley High School	( HS-EG-022) The Effects of Anode Spacing on Power Output from a Sediment-Microbial Fuel cell.
3rd	Kyle Ingram	Skyview High School	( HS-EG-025) Constructing a Machine to wash and dry overhead transparencies

## Environmental Sciences

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	J.T. Sohr	Grant Union High School	( HS-EV-051) How Much of the Fuel Load on the Forest Floor is Reduced by Prescribed Burning
	Also receives: Intel Excellence in Environmental Health and Safety	Sponsored by: Intel Corporation	Includes: \$200, certificate, memento
2nd	Miranda Middleton	Catlin Gabel School	( HS-EV-100) The Effect of $\beta$ -Estradiol on Lumbriculus Variegatus
3rd	Ree Armstrong	Grant Union High School	( HS-EV-050) The Effects of Winter Road Treatments on Daphnia

## Gerontology

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Reid Olsen	Cleveland High School	( HS-GE-001) An Investigation of the Possible Gender Dependency of the Effects of CD44-/- on Brain Function

## Mathematics

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Anarghya Vardhana	Jesuit High School	( HS-MA-007) A Study of a Prime Determining Algorithm in Polynomial Time
2nd	Matthew Wu	Skyview High School	( HS-MA-009) Randomness
3rd	Evan Cate	Skyview High School	( HS-MA-008) The Design and Construction of an Accurate Population Model of Clark County from 1900 to 2000

## Medicine & Health

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Alan Hsieh	Columbia River High School	( HS-ME-037) Interaction between varying dosages of Opioid Antagonist and Morphine Agonist Admisnistration in Sprague-Dawley Rats.
2nd	Eugene Kim	Columbia River High School	( HS-ME-066) Evaluation of Breast Cancer Survival Based on the Fifth and Sixth Edition AJCC Staging Systems
2nd	Julie Baldwin	Skyview High School	( HS-ME-046) Statistical Analysis of Organ Donor Awareness
3rd	Chirag Patel	Skyview High School	( HS-ME-049) Materials Test The Affect of Corrosion On In Vitro Force Level of Nickel-Titanium Coil Springs That Are Used For Orthodontic Space Closure.
HM	Sara Brugger	Skyview High School	( HS-ME-045) The Effects of Exercise on A Women's Body Image.

## Microbiology

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Scott Thompson	Catlin Gabel School	( HS-MI-025) The Effects of Environmental Iron Concentration on the Nitrogen Fixation of <i>Cylindrospermum</i>
2nd	Andrew Shubin	Columbia River High School	( HS-MI-020) The Effects of Garlic on the Growth of Bacteria <i>Micrococcus luteus</i> and <i>Enterobacter aerogenes</i>
3rd	Tim Harris	Columbia River High School	( HS-MI-019) The Effect of Various Frequencies of Electromagnetic Radiation on the Growth of Pathogen <i>Pseudomonas aeruginosa</i> 48-hours after Exposure
HM	Sean Tacy	Grant Union High School	( HS-MI-018) In Hot Water?

## Physics

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Ella Dutton	Catlin Gabel School	( HS-PH-094) Burnt Cork Versus Eye Black Grease as the Most Effective Anti-Glare Product
2nd	Jerrell Sims III	Skyview High School	( HS-PH-090) A Quantitative Analysis of the Effects of Various Metals on the Electrolysis of Water

## Zoology

<i>Place</i>	<i>StudentNames</i>	<i>School</i>	<i>Title</i>
1st	Kendra Lyons	Columbia River High School	( HS-ZO-019) The Effect of Cryopreservation on Retention of Environmental Preference in Planaria (Dugesia dorotocephala)
2nd	Sun Jin Lee	Columbia River High School	( HS-ZO-020) The Effect of Different Wavelengths (Colors) of Light on Regeneration Abilities of Freshwater Flatworm Planaria (Dugesia tigina)
3rd	Marguerite Moore	Catlin Gabel School	( HS-ZO-031) The Effect of Chemical Stimulants on Deroceras reticulatum
HM	John Weisser, Catherine Young	Franklin High School	( HS-ZO-041) The West Indian Manatee Population