

2003 Intel NWSE Best of Fair Winners

High School **Best of Fair**

Students: Sam Asarnow

Project Title: Proteolytic Enzyme Production in the Insectivorous Plant Sundew (*Drosera adalae*) in Response to Prey Stimulation

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes: Plaque, Oregon Laurels Full-Tuition Scholarship to PSU

High School **Best of Fair**

Students: Yvonne Yamanaka

Project Title: Synthesis and Evaluation of Molecularly Imprinted Polymers for the Enantiomeric Resolution of D- and L- Phenylalanine in Aqueous Solutions

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes: Plaque, Oregon Laurels Full-Tuition Scholarship to PSU

High School **Best of Fair**

Students: Michael Coulter

Project Title: Catalytic Growth of Zirconium Oxide Nanowires and their Electron Field Emission Properties

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes: Plaque, Oregon Laurels Full-Tuition Scholarship to PSU

High School **Best of Fair**

Students: Mike Olson

Project Title: Wildfire Sterilized Soils and Rhizosphere Recovery

School: Gold Beach High School

Teacher/Sponsor: Mary Omberg

This award includes: Plaque, Oregon Laurels Full-Tuition Scholarship to PSU

High School Best of Fair Team

Students: Colin Ackerman, Robert Davenport

Project Title: Are There Elevated Levels of Nitrate in the Fanno Creek Watershed From Golf Course Runoff?

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes:

High School Best of Fair Team

Students: Saeyoon Baik, Paul Jang

Project Title: A New Method of Manufacturing A Silicon Solar Cell

School: Oregon Episcopal Upper School

Teacher/Sponsor: Rosa Hemphill

This award includes:

High School Best of Fair Alternate

Students: Christa von Behren

Project Title: The Effect of Growth Rate on the Competitive Success of Epiphytic Crustose Lichens

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes: Plaque

High School Best of Fair Alternate

Students: Jenna Schoof

Project Title: The Effects of Glucose on the Utilization of Creatine in Mice

School: Merlo Station High School

Teacher/Sponsor: Jim Gardner

This award includes: Plaque

High School Best of Fair Alternate

Students: Vanessa Spini

Project Title: Absorption of Radioactive Isotopes Using Nature Zeolites

School: Gold Beach High School

Teacher/Sponsor: Mary Omberg

This award includes: Plaque

High School Best of Fair Alternate

Students: Makely Lyon

Project Title: Correlation Analysis of Climatic Parameters by Latitude versus Galactic Cosmic Ray Flux and Solar Activity: Evidence for Naturally Caused Global Warming

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes: Plaque

High School ISEF Finalist Individual

Students: Christa von Behren

Project Title: The Effect of Growth Rate on the Competitive Success of Epiphytic Crustose Lichens

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Teacher/Sponsor: Peter Langley

This award includes: an expenses paid trip to the Intel International Science and Engineering Fair in May as a competitor

High School ISEF Finalist Individual

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Teacher/Sponsor: Rosa Hemphill

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High School ISEF Alternate

Students: Holland MacLaurie

Project Title: Genotypic Separation in Noble Fir Populations from the Coast and Cascade Ranges of Oregon

School: Gold Beach High School

Teacher/Sponsor: Mary Omberg

This award includes: Right to attend the ISEF as an observer.

High School ISEF Alternate

Students: Makely Lyon

Project Title: Correlation Analysis of Climatic Parameters by Latitude versus Galactic Cosmic Ray Flux and Solar Activity: Evidence for Naturally Caused Global Warming

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes: Right to attend the ISEF as an observer.

High School ISEF Alternate

Students: Iris Jeon

Project Title: Do Patterns in Numbers and Word Images Act as Aids to Memory?

School: Oregon Episcopal Upper School

Teacher/Sponsor: Peter Langley

This award includes: The right to attend the Intel International Science and Engineering Fair in May as an observer.

Middle School Best of Fair

Students: Lauren Gambie

Project Title: Eyewitness Report

School: Hoover Elementary School

Teacher/Sponsor: Janice Cox

This award includes: Trophy

Middle School Best of Fair

Students: Tanner Mathison

Project Title: Turbine Axis Orientation - Is a Vertical Axis or a Horizontal Axis Wind Turbine more efficient at generating power

School: Riley Creek Elem

Teacher/Sponsor: Jodi Litterell

This award includes: Trophy
