

2004 Intel NWSE Best of Fair Winners

The Intel Northwest Science Expo awards Best of Fair awards and Intel International Science and Engineering Fair Finalists and Alternates. Finalists will compete at the Intel ISEF in Portland in May. Alternates are invited to participate in the Intel ISEF as observers.

The 2004 Intel NWSE consisted of 3 fairs. Middle school students competed with each other and two students were chosen as Best of Fair.

High school students that won the right to attend the Intel NWSE by qualifying in one of 6 regional science expos around Oregon competed in the Intel NWSE State fair. Students that had no opportunity to participate in a regional fair in their area competed with each other in the Intel NWSE Regional fair. In each of these fairs best of fair awards and Intel ISEF Finalists and Alternates were chosen.

High School

Northwest Science Expo State Fair

Best of Fair, State

Students: Elyse Hope

Project Title: A STUDY IN THE CORRELATION BETWEEN THE MOVEMENT RATES OF SUNSPOTS AND ACTIVE SOLAR MAGNETIC REGIONS USING A NOVEL MEASUREMENT METHOD

School: Oregon Episcopal Upper School

Teacher/Sponsor: Rosa Hemphill

This award includes: Plaque

Best of Fair, State

Students: Allison Landstrom

Project Title: The Effects of the Relaxin Hormone on the Laxity of Male and Female Anterior Cruciate Ligament Tissue, In Vitro

School: Southridge High School

Teacher/Sponsor: Joel Morgan

This award includes: Plaque

ISEF Finalist Individual

Students: Allison Landstrom

Project Title: The Effects of the Relaxin Hormone on the Laxity of Male and Female Anterior Cruciate Ligament Tissue, In Vitro

School: Southridge High School

Teacher/Sponsor: Joel Morgan

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

ISEF Finalist Individual

Students: Mike Olson

Project Title: Wildfire Affected Soils and Rhizosphere Recovery

School: Gold Beach High School

Teacher/Sponsor: Mary Omberg

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

ISEF Finalist Individual

Students: Elyse Hope

Project Title: A STUDY IN THE CORRELATION BETWEEN THE MOVEMENT RATES OF SUNSPOTS AND ACTIVE SOLAR MAGNETIC REGIONS USING A NOVEL MEASUREMENT METHOD

School: Oregon Episcopal Upper School

Teacher/Sponsor: Rosa Hemphill

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

ISEF Finalist Individual

Students: Michael Coulter

Project Title: A Novel Growth Method For Silicon Oxide Nanowires

School: Oregon Episcopal Upper School

Teacher/Sponsor: Bill Lamb

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

ISEF Finalist Team

Students: Thomas Chen, Sharat Ganapati

Project Title: Atmospheric Chemical Instabilities

School: Skyview High School

Teacher/Sponsor: Robert OBrien

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

ISEF Finalist Team

Students: Rachel Reitmeyer, Elaine Hulteng

Project Title: THE EFFECTS OF ASPARTAME OBSERVED IN THE METABOLISM OF ALBINO MICE

School: CREST (West Linn-Wilsonville Projects)

Teacher/Sponsor: Holly Gardner

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

ISEF Alternate

Students: Ben Weintraub

Project Title: Port Knocking: A New Implementation of Authentication Across Closed Ports

School: Sunset High School

Teacher/Sponsor: Kirk Soule

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

ISEF Alternate

Students: Brandon Lei

Project Title: Do Fresher Fruits Reap in More Antioxidants?

School: Oregon Episcopal Upper School

Teacher/Sponsor: Rosa Hemphill

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

ISEF Alternate

Students: Grant Snitker

Project Title: A statistical comparison of terrestrial arthropods in old-growth and mature forests

School: West Salem High School

Teacher/Sponsor: Steve Holman

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

ISEF Alternate

Students: Allison Rhines

Project Title: A Comparative Study of the Effectiveness of Anti-Microbial Agents in Reducing Oral Biofilms

School: Oregon Episcopal Upper School

Teacher/Sponsor: Bill Lamb

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

Northwest Science Expo Regional Fair

Best of Fair, Regional and ISEF Finalist Individual

Students: Aitor Maiz

Project Title: Synthesis and Characterization of Tungsten Oxide Nanowires and their Conversion to Tungsten Sulfide Nanotubes

School: Catlin Gabel School

Teacher/Sponsor: Jose Maiz

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

Best of Fair, Regional and ISEF Finalist Individual

Students: Anarghya Vardhana

Project Title: A Study of a Prime Determining Algorithm in Polynomial Time

School: Jesuit High School

Teacher/Sponsor: John Gorman

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

ISEF Alternate

Students: Alan Hsieh

Project Title: Interaction between varying dosages of Opioid Antagonist and Morphine Agonist Administration in Sprague-Dawley Rats.

School: Columbia River High School

Teacher/Sponsor: Pam Lehrman

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

ISEF Alternate

Students: Tristan Wagner

Project Title: Conductive Polymer Gels in Porphyrin-Sensitized Solar Cells: Variation of Acid Component

School: Lincoln High School

Teacher/Sponsor: Larry Scheffler

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: Katie VanderWeele, Jenni VanderWeele

Project Title: Designing and Building a Backyard Stormwater Treatment System

School: Oregon Episcopal Middle School

Teacher/Sponsor: Angela Hancock

This award includes: Trophy
