



## 2011 Fair Statistics

High School Students 294  
Middle School Students 422

**Total Students 716**

High School Projects 201  
Middle School Projects 335

**Total Projects 536**

New Adult Sponsors 43

**Total Adult Sponsors 113**

New Participating Schools 12

**Total Participating Schools 71**

Special Award Sponsors 44

**Total Awards Given 329**

High School Judges 114

Middle School Judges 123

**Total Judges 237**

The Intel NWSE is the premier forum for the young scientists, engineers, and mathematicians of Oregon to showcase their talents. It is the state-level fair in the NWSEs. Visit [nwse.org](http://nwse.org) for more information on the fair and the system.

## Intel NWSE Sponsors

**Title Sponsor:**  
Intel Foundation

**Presenting Sponsor:**  
Portland State University

**Gold Partner:** Center for  
Science Education

**Silver Partner:**  
Genentech

**Bronze Partner:**  
William Becker

**Investor:** Kelly and  
Stephanie Jones

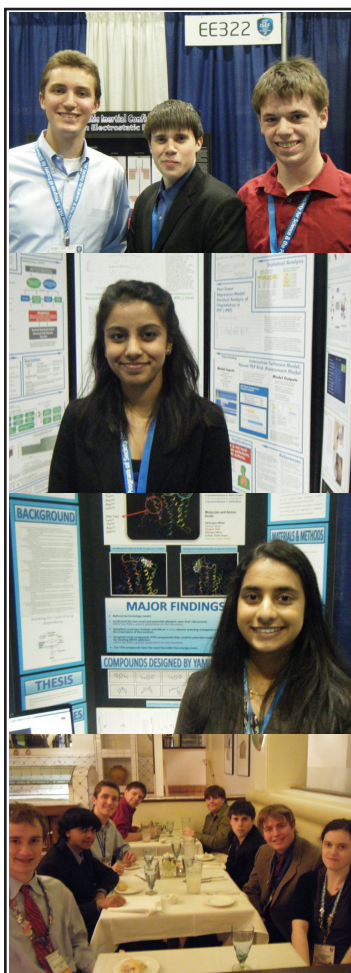
**Scholarships are provided to  
selected winners by:**

Portland State University  
Maseeh College of  
Engineering and Computer  
Science

Oregon State University  
College of Engineering  
Oregon State University  
College of Science  
University of Oregon  
Lewis and Clark College



CWOSE Best of Fair winners Joseph Meyer and Heidi Wade, and PPSSE Best of Fair winner Alexander Harding prepare to enter the exhibit hall on judging day at the Los Angeles Convention Center.



## Intel ISEF 2011 Highlights

Forrest Betton, Eric Thomas and Demitri Hopkins were the top Team Oregon winners at Intel ISEF this year, winning the \$8000 Best of Category in Electrical & Mechanical Engineering. Both their school, Merlo Station High School in Beaverton, and the fair that selected them as ISEF attendees, Intel NWSE, also receive \$1000. Naomi Shah and Yamini Naidu were First Place winners in Environmental Sciences and Biochemistry, respectively. Shah was also selected to receive \$13,000 in scholarships from the Oregon Institute of Technology and the Office of Naval Research. All finalists were treated to a Team Oregon dinner before the award ceremonies began.

## 2011 Local Award Sponsors

American Chemical Society,  
Portland Section  
American Society of Mechanical  
Engineers  
American Statistical Association  
Association of Electrical  
Engineers  
City of Banks  
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Ralph M Cohen Consultancy  
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Lake Oswego Corporation  
Nancy Lapotin  
Legacy Emanuel Hospital  
Marylhurst University  
Department of Science &  
Mathematics  
Jaime Mitchell

Mt. St. Helens Institute  
Northwest Power and  
Conservation Council  
Oregon Bioscience Association  
Oregon Environmental Health  
Association  
Oregon Forest Resources  
Institute  
Oregon Health & Sciences  
University  
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Oregon Museum of Science and  
Industry  
Pacific Northwest Research  
Station, USDA Forest Service  
Portland Industrial Chemists'  
Association  
Rachel Robinson  
Southwest Clean Air Agency  
TiE Oregon  
US Geological Survey  
Mike Zamzov



The Northwest Science Expo System (NWSES) is a system of fairs affiliated with the Intel International Science and Engineering Fair, the world's largest international precollege science competition, which is a program of Society for Science and the Public. NWSES provides opportunities for middle and high school students statewide to participate in scientific research.

Team Oregon is comprised of the top winners from all system fairs chosen to compete at Intel ISEF each year. This year Team Oregon included 29 students presenting 25 projects at Intel ISEF. They were selected from the 921 high school students who participated system-wide.

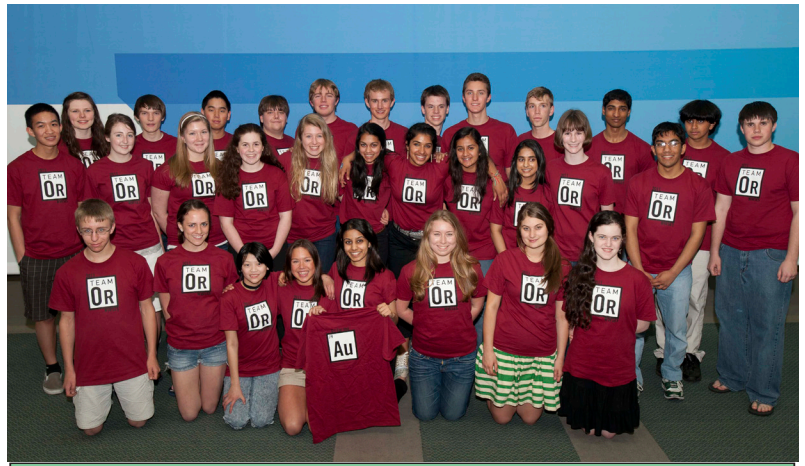
- ★ Team Oregon won 10 Grand Awards and 18 Special Awards.
- ★ Fourteen out of 25, or 56% of Team Oregon projects received Special or Grand Awards.
- ★ Team Oregon brought home an accumulated prize total of \$56,400 plus the value of three all expenses paid trips to Europe.
- ★ Students from 10 different Oregon schools were prize winners. Five of the 8 fairs in the Northwest Science Expo System sent projects to ISEF that won awards.

Encouraging girls to enter careers of science, technology, engineering or math is important to NWSES. In 2011, of the 1,501 total high school and middle school students systemwide, 49% were female and 43% were male (12% did not report their gender). NWSES works closely with the PSU Louis Stokes Alliance for Minority Participation to increase underrepresented minorities' participation in system fairs as well.

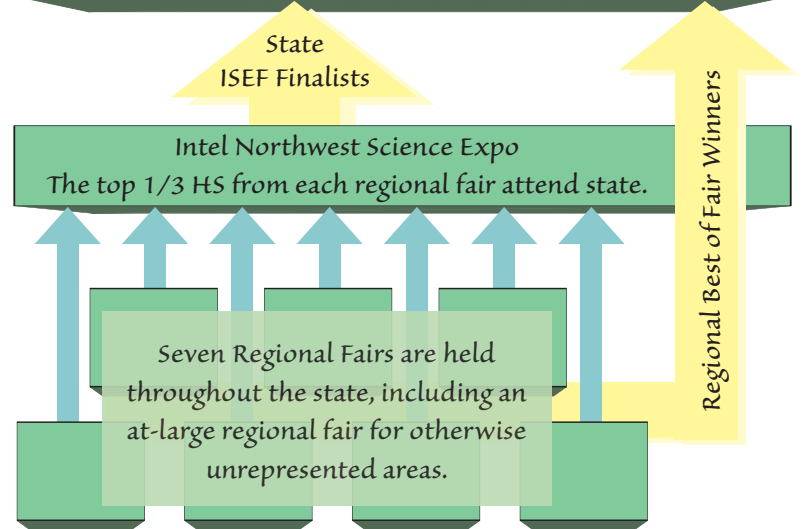
We have consistent participation from schools with high percentages of students on free and reduced lunch programs. Goals of the NWSES are to increase access to ISEF-affiliated fairs statewide and to provide support for teachers and students in their research activities, through both financial contributions and mentorship programs.

Sponsors are needed to support Team Oregon each year. For each member of Team Oregon we aim to provide travel and lodging, meal allowances, shipping of project display boards, a Team Oregon dinner during Intel ISEF week, and the "Go for the Au" t-shirts that all Team Oregon members receive.

Thanks to our system sponsors Applied Materials, McGeady Family Foundation, Synopsys, Pearson, Richard Knight and Linda Mantel for their generous support.



**TEAM OREGON**  
All members attend the Intel International Science and Engineering Fair.



**Intel Northwest Science Expo**

Location: Portland State University, Portland  
Director: Stephanie Jones

**Aardvark Science Expo**

Location: Oregon Episcopal School, Portland  
Directors: Chris Mader, Tanja Horvat

**Beaverton-Hillsboro Science Expo**

Location: Intel Jones Farm Campus, Hillsboro  
Directors: Susan Holveck, Chris Steiner

**Central Western Oregon Science Expo**

Location: Linn-Benton Community College, Albany  
Directors: Dan Lara, David Hackleman

**CREST-Jane Goodall Science Symposium**

Location: West Linn High School, West Linn  
Director: Amy Schauer

**Gresham Barlow Science Expo - At-large**

Location: Gresham High School, Gresham  
Director: Stephen Scannell

**High Desert Science Expo**

Location: St. Charles Hospital, Bend  
Director: Tom Stueve

**Portland Public Schools Science Expo**

Location: Oregon Museum of Science and Industry, Portland  
Director: Nancy Lapotin