

2006 Award Report

Mt. Hood Science Expo

Behavioral & Social Sciences

1st, 2nd, 3rd are category place awards

<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-BE-026	Sabrina Hoffman	Rewards and Punishment: Which is more effective?	Grant Union High School	Randy Hennen
<i>Award:</i> 1st Behavioral and Social Sciences - Hs				
HS-BE-179	Hannah Silver, Parker Unruh	A Study of the Impairments Concerning the Recognition of Faces	La Salle High School	Georgi Brunning
<i>Award:</i> 2nd Behavioral and Social Sciences - HS				
<i>Award:</i> Outstanding Research in Psychology American Psychological Association and Teachers of				
HS-BE-177	Molly Gall, Sarah Hunt	Sound and Memory	La Salle High School	Georgi Brunning
<i>Award:</i> 3rd Behavioral and Social Science - HS				

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Botany		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-BO-073	Michael Ohnemus	Effects of a static magnetic field on pinto beans	La Salle High School	Georgi Brunning
<i>Award:</i>	1st Botany - HS			
<i>Award:</i>	Army Outstanding High School Project in Life Sciences		Army Research Office, U.S. Army	

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Chemistry		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-CH-052	Kevin Mahr, Steven Braun	The Efficiency of Aluminum Anodizing in Industry	Benson High School	Peter Mahr
<i>Award:</i>	1st Chemistry - HS			
<i>Award:</i>	ISEF Alternate, Team			
<i>Award:</i>	Outstanding Project in Materials Science	ASM International Foundation		
<i>Award:</i>	U.S. Air Force Outstanding Project	U.S. Air Force		
HS-CH-200	Mary Brant, Meredith Comnes	Which substance cleans glass most efficiently?	Grant High School	Carol Campbell
<i>Award:</i>	HM Chemistry - HS			

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Computer Sciences

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<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-CO-020	Christina Phillips	SPEND-A-DAY APPLICATION	Central Catholic High School	Bernie Carlsen
<i>Award:</i>	1st Computer Science - HS			
<i>Award:</i>	Army Outstanding High School Project in Mathematics/Computer Science		Army Research Office, U.S. Army	
<i>Award:</i>	Intel Excellence in Computer Science		Intel Corporation	
<i>Award:</i>	U.S. Air Force Outstanding Project		U.S. Air Force	

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Earth Science		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-EA-026	Vanessa Kemper, Will Niemann-Ross	An experiment to find and quantify the relationship between volume and the increase of the debris-covered portion of a glacier.	Cleveland High School	Robert Schlichting
<i>Award:</i>	1st Earth Science - HS			
<i>Award:</i>	Mu Alpha Theta Award	Mu Alpha Theta		
HS-EA-027	Molly Evjen, Josh Sargent, Draeger Gillespie	Glacier Change and Stream Discharge	Cleveland High School	Robert Schlichting
<i>Award:</i>	2nd Earth Science - HS			

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Engineering		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-EG-052	Marta Bryan	Non-Invasive Active Infrared Triggering Device to Detect Amphibian Movement in an Aqueous Environment	Bend Science Station	David Bermudez
<i>Award:</i>	1st Engineering - HS			
<i>Award:</i>	Innovative Engineering Award		National Society of Professional Engineers	
<i>Award:</i>	ISEF Alternate			
<i>Award:</i>	Naval Excellence in Science and Engineering Award		Office of Naval Research, US Navy and Marine Corps	
HS-EG-051	Kara Heagerty	Watts up with your workout?	Bend Science Station	David Bermudez
<i>Award:</i>	2nd Engineering - HS			
<i>Award:</i>	Herbert Hoover Young Engineer Award		Herbert Hoover Presidential Library Association	
<i>Award:</i>	ISEF Alternate			
<i>Award:</i>	Project Best Illustrating Surgeon General's Health Recommendations		U.S. Public Health Service	
HS-EG-098	Grant Ferschweiler	Thermal Efficiency of Various Configurations of Tubing Based Solar Collectors	La Salle High School	Georgi Brunning
<i>Award:</i>	3rd Engineering - HS			
<i>Award:</i>	Naval Excellence in Science and Engineering Award		Office of Naval Research, US Navy and Marine Corps	

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Environmental Sciences		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-EV-089	Amos Leager	Effect of Black Locust (Robinia Pseudoacacia) Leaves and Seedpods on Plant Growth	Cleveland High School	Matthew Staab
<i>Award:</i> 1st Environmental Sciences- HS				
HS-EV-200	Erica Herman	The Water Quality Difference between Johnson Creek and Crystal Springs Creek.	Cleveland High School	Matthew Staab
<i>Award:</i> 2nd Environmental Sciences - HS				
<i>Award:</i> NOAA's Taking the Pulse of the Planet		National Oceanic and Atmospheric Administration		
<i>Award:</i> Outstanding Geoscience Project		Association Of Women Geoscientists		
<i>Award:</i> U.S. Air Force Outstanding Project		U.S. Air Force		
HS-EV-024	Emily Slayton, Austyn Castro, Joseph Delaney	NO2 Concentration Levels in Gresham, Oregon	Gresham High School	Cyrus Harshfield
<i>Award:</i> 3rd Environmental Sciences - HS				
<i>Award:</i> Outstanding Project in an Atmospheric Science Exhibit		American Meteorological Society		
HS-EV-096	Rocko Worth	Biodiesel vs. Petroleum Diesel: A Comparative Study of Particulate Emissions and Engine Block Temperature.	Bend Science Station	David Bermudez
<i>Award:</i> HM Environmental Sciences - HS				
<i>Award:</i> Naval Excellence in Science and Engineering Award		Office of Naval Research, US Navy and Marine Corps		
<i>Award:</i> Sustainable Development Award		Ricoh Corporation		
HS-EV-085	Hack Heyward	Human Influences on Snow Purity.	Bend Science Station	David Bermudez
<i>Award:</i> U.S. Regional Stockholm Junior Water Prize		Water Environment Federation		
HS-EV-025	Yvan Trinh, Tatiana Trofimchuck	The effect of wind direction on the location of ozone concentration.	Gresham High School	Cyrus Harshfield
<i>Award:</i> Army Outstanding High School Project in Environmental Science		Army Research Office, U.S. Army		
<i>Award:</i> Outstanding Project in an Atmospheric Science Exhibit		American Meteorological Society		

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Mathematics		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-MA-018	Finn Womack	Dice Probability	Grant High School	Carol Campbell

Award: 3rd Mathematics - HS

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Medicine & Health		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-ME-095	Michael Rutenberg Schoenberg	Possible Radioprotective Effects of N-Acetylcysteine	Wilson High School	Gary Schoenberg
<i>Award:</i>	1st Medicine and Health - HS			
<i>Award:</i>	ISEF Finalist Individual			
HS-ME-074	Kavina Kief, Marie Bello	Effects of Caffeine on Reflexes	Grant High School	Carol Campbell
<i>Award:</i>	2nd Medicine and Health - HS			
HS-ME-200	Ali Moran, Michelle Van Den Heede	Does chewing gum effect your temperture	Grant High School	Carol Campbell
<i>Award:</i>	3rd Medicine and Health - HS			

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Microbiology		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-MI-052	Annika Sullivan, Kristen Delwiche	Ways to Decrease Microbial Contamination on Hamburger	Grant High School	John Kilkenny
<i>Award:</i>	1st Microbiology - HS			
<i>Award:</i>	Award for Excellence in Scientific Research in Environmental Health		Oregon Environmental Health Association	
<i>Award:</i>	ISEF Finalist Team			
HS-MI-054	Jessica Parries	The effects of Allium sativum and Melaleuca alternifolia on Fusobacterium necrophorum?	Estacada High School	Karen Doersam
<i>Award:</i>	2nd Microbiology - HS			
<i>Award:</i>	ISEF Finalist Individual			
<i>Award:</i>	Naval Excellence in Science and Engineering Award		Office of Naval Research, US Navy and Marine Corps	

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Physics				
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<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-PH-097	Ruby Sparks	The effect of music on the crystallization of water.	Cleveland High School	Matthew Staab
<i>Award:</i>	1st Physics - HS			
<i>Award:</i>	Outstanding Project by an 11th Grade Student		Yale University Science and Engineering Associatio	
<i>Award:</i>	Outstanding Use of the International System of Units		U.S. Metric Association	
HS-PH-076	Anthony Quevedo	"How Does Temperature and Climate Affect Musical Instruments?"	Grant High School	Carol Campbell
<i>Award:</i>	2nd Physics - HS			
<i>Award:</i>	Army Outstanding High School Project in Physical Sciences		Army Research Office, U.S. Army	
HS-PH-075	Garry Bradley	AIR TRANSPORTATION	Grant High School	Carol Campbell
<i>Award:</i>	3rd Physics - HS			
HS-PH-074	Grant Schuberg, David Ward	Can you make a rainbow?	Grant High School	Carol Campbell
<i>Award:</i>	Outstanding Project in Optical Science and Engineering		SPIE-The International Society for Optical Enginee	

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Zoology		<i>1st, 2nd, 3rd are category place awards</i>		
<i>Exhibit #</i>	<i>Student(s)</i>	<i>Project Title</i>	<i>Organization Name</i>	<i>Sponsor</i>
HS-ZO-028	Allison Joyner, Chelsea Elzinga, Miranda Campbell	Teaching An Old Dog New Tricks	Grant High School	Carol Campbell

Award: HM Zoology - HS