

**2014 South Sound Regional Science Fair
High School Specialty Awards**

Award	Project Title	Name	School	District	Gr
American Meteorological Society Certificate of Outstanding Achievement	Stardust in your own back yard	Anthony Painter	W.F. West High School	Chehalis	12th
	The Green Flash: Understanding Light Transmittance in the Ocean	Cecilia Black	Annie Wright Schools	Private	10th
American Psychological Association Certificate of Award	The Same in Every Language: The Effect of Facial Expressions on Responding Facial Expressions	Grace Drechsel	Wilson High School	Tacoma	9th
ASM Materials Education Foundation	Rust Away - Essential Oils as Corrosion Inhibitors	Guy Alberts	Wilson High School	Tacoma	9th
Association for Women Geoscientists	The effect of car wash chemicals on ground water	Trinity Charles	Wilson High School	Tacoma	9th
Center for Web and Data Science, Environmental Program,UW Tacoma	Where does wood break?	Dakota White	W.F. West High School	Chehalis	12th
Honorable Award	Distracted Driving	Gabriel Mozipo	Capital High School	Olympia	10th
	Increased Mirror Neuron Activity During Emotion Processing: The Role of Embodied Cognition in Empathy	Eve Pugsley	Bellarmine Preparatory School	Private	12th
	The Relationship between IQ and Mindless Memorization	Janice Fang	Annie Wright Schools	Private	11th
	An Apple a Day	Olivia Moore	Washington High School	Franklin Pierce	12th
	Its The Yeast You Can Do: The Effect of Electromagnetic Radiation on the growth of Saccharomyces cerevisiae	Kelsey Goering	Wilson High School	Tacoma	9th
	Multiplying Madness: The Effect of Triclosan and Sodium Bicarbonate on the Amount of Bacteria in Your Mouth	Kristen Gala	Wilson High School	Tacoma	9th
	The Effect of a Body of Water's Distance from a Road on the Amount of Plankton Found in the Body of Water	Anita Carroll	Wilson High School	Tacoma	9th
	The Effect of Fertilizer on Bacteria Growth within Soil	Alex Motonaga	Wilson High School	Tacoma	9th
	The Silver Bullet: The Antibacterial Properties of Silver Hydrosol for Purposes of Water Purification	Michael Young	Wilson High School	Tacoma	9th
Innovative Science Award	Harvesting Vibrations for Unlimited Energy	Zoe Saylor	W.F. West High School	Chehalis	12th
	Neurobiotic Mechanical Arm	Jaiteg Mundi	W.F. West High School	Chehalis	12th

High School Specialty Awards (cont)

NOAA's Taking the Pulse of the Planet Award	Reducing Bellarmine Preparatory's Carbon Footprint by Generating Compost through Solar Power	Jacqueline Pecaro	Bellarmine Preparatory School	Private	12th
Notebook Neatness	Aurora Borealis	Diane Nguyen	Lakes High School	Clover Park	9th
		Lila Ridge	Lakes High School	Clover Park	9th
	The Gathering of Particles in the Earth's Stratosphere	Jacob Schneider	W.F. West High School	Chehalis	12th
	Reducing Bellarmine Preparatory's Carbon Footprint by Generating Compost through Solar Power	Jacqueline Pecaro	Bellarmine Preparatory School	Private	12th
	IoT (Internet of Things) connected Air Quality Monitor to detect and measure Particulate Matters concentration	Anjali Vasisht	Olympia High School	Olympia	9th
	Comparative evaluation of the potential environmental impact of Zinc Oxide Bulk and Zinc Oxide Nanoparticles on Daphnia Magna and Lemna Minor	Nitya KrishnaKumar	Olympia High School	Olympia	9th
PLU Chemistry Department/American Chemical Society	Invertigation of of Active Compounds in Ocimum sanctum Affecting the Cell Reduction of Klebsiella pneumonia and Yersina enterocolitica	Mehar Nallamalli	Capital High School	Olympia	10th
Reach for the Stars	Skyglow Analysis Using a Digital Camera	Nicole Bach	W.F. West High School	Chehalis	12th
Ricoh Sustainable Development Award	A Study of Beach Erosion and How to Prevent It	Adam McCombs	Harrison Prepatory	Clover Park	9th
Safety First Award	Basalt or Granite	Tihana Tili	Clover Park High School	Clover Park	12th
	Lead the Way: The effect of textured surfaces on the removal of lead contaminants and soil from shoes	Alicia Long	Wilson High School	Tacoma	9th
	The Effect The The Density of a Species of Wood Has One It's Own Burning Rate	Kayla Deibert	Wilson High School	Tacoma	9th
	Evolution of an AlternativeTreatment for Candida Albicans Using Natural Plant Extracts	Surabhi Mundada	Olympia High School	Olympia	9th
Society for In Vitro Biology	Mycoplasma ovipneumoniae: evaluation of serum titers as a correlate of nasal shedding	Colin Wakefield	Sumner High School	Sumner	11th

High School Specialty Awards (cont)

Stockholm Junior Water Prize	An Analysis on the Effect of Overpass Runoff on Lake Water Quality and the Local Plankton	Kately Kass	Wilson High School	Tacoma	9th
	Food Quality versus Water Quality: The Effects of Fertilizer on the Nitrate Levels in Groundwater	Micah Tate	Wilson High School	Tacoma	9th
	The effect of car wash chemicals on ground water	Trinity Charles	Wilson High School	Tacoma	9th
US Metric System Award	Developing a Variable Frequency RC Phase Shift Oscillator Prototype and Addressing Limitations of Limited Frequency Stability, Feedback, and Voltage Output	Don Li	Capital High School	Olympia	11th
US Public Health Service	Teeth Staining	Shirley Mayanja	Life Christan Academy	Private	10th
Yale Science and Engineering	Multiplication Madness: An experiment on Online Versus Traditional Learning	Samantha Ward	Sumner High School	Sumner	11th