

2012 South Sound Regional Science Fair

High School Awards

Honorable Mention

Project Category	Project Title	Name	School	School District	Grade
Animal Science	A Study of Worm Migration in Different Soil Types	Nadia Afifi	Wilson High School	Tacoma	9th
Behavioral & Social Sciences	All in the Family: The Affects of Birth Order on Personality and Socail Behavior	Jasmine Littlejohn	Wilson High School	Tacoma	9th
	How People See a Drink and Taste it as it Should be Flavored Due to Color	Hannah Pepin	Wilson High School	Tacoma	9th
	The Effect of Musical Experience on a 14-17 Year Old's Intelligence Quotient	Delaney Dawson	Wilson High School	Tacoma	9th
Chemistry	Examining the Usage of Calcium Chloride to Maintain Food Temperature	Sarah Gage	Wilson High School	Tacoma	9th
Eng: Electrical & Mechanical	Design and Construction of a Self-Sustainable Garden	Thomas Yabroff	Bellarmine Preparatory School	Private	12th
	Development of an Illuminated Portable Brachyuran Crab Larva Excystment Trap	Ian Staeheli	Bellarmine Preparatory School	Private	12th
		Thomas Grant	Bellarmine Preparatory School	Private	12th
Eng: Materials & BioEng	Using the Right Aggregates Has Its Perks	Jde Bateman	Frontier Junior High School	Bethel	9th
Environmental Management	Nutrient Removal from Spirit Lake at Mount Saint Helens Through Aquatic Insect Emergence	Jane Manley	Bellarmine Preparatory School	Private	12th
Environmental Sciences	Earthworms and Their Life Style in Grey Water	Madison Dibari	Wilson High School	Tacoma	9th
	Total Nitrogen in Local Rivers: Rural vs Urban Waterways	Micky Al-Safran	Wilson High School	Tacoma	9th
Medicine & Health Sciences	The Effect of Rib and Alp 2/3 Surface Proteins on Streptococcus agalactiae Virulence	Jennifer Li	Bellarmine Preparatory School	Private	12th
		Jinsung Kim	Bellarmine Preparatory School	Private	12th
Microbiology	A Survey of Bacterial Presence on Purified Water Dispensers	Katherine Miller	Wilson High School	Tacoma	9th
	Oral Health and Bacteria	Marjoree Razal	Harrison Preparatory School	Clover Park	9th
Physics & Astronomy	Guitar String Resonation	Montgomery Potter	Frontier Junior High School	Bethel	9th
Plant Sciences	Aloe Vera: The Effect of Aloe Vera on Growing Bacteria Colonies	Christopher Schwartz	Frontier Junior High School	Bethel	9th
	Those Are Mitosis Onions!	Madison Gordon	Wilson High School	Tacoma	9th

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Third Place

Project Category	Project Title	Name	School	School District	Grade
Animal Science	Night Insects	Brian Robbins	Harrison Preparatory School	Clover Park	9th
Behavioral & Social Sciences	How Accurate is Eyewitness Testimony?	Tessa Thurman	Annie Wright School	Private	10th
	The Pattern of Hand and Body Gestures in Extroverts	Hannah Kenfield	Wilson High School	Tacoma	9th
Environmental Management	Affect of Dead Leaves on the Heart Rate of Goldfish	Alyssa Nelson	Wilson High School	Tacoma	9th
Environmental Sciences	Assesing the Effects of Lead Produced by the ASARCO Smelter on Aquatic and Subterranean Animals	Maya Bittmann	Wilson High School	Tacoma	9th
		Tianna Kelly	Wilson High School	Tacoma	9th
Medicine & Health Sciences	The Effect of Apple Cider VInegar on Streptococcus lactis	Sabrina Scarlett	Wilson High School	Tacoma	9th
Microbiology	Bacteria Coolers	Louis Fox	Wilson High School	Tacoma	9th
	Difference In Mold Resistance Between Cherry, Birch, and Pine Wood	Hayat Saleh	Wilson High School	Tacoma	9th
Physics & Astronomy	Energy Burner	Ashley Yotter	Frontier Junior High School	Bethel	9th
Plant Sciences	Influence of Environmental Parameters on the Location of Phyrophthora ramorum in Western Washington Waters	Hayley Raquer	Bellarmine Preparatory School	Private	12th

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Second Place

Project Category	Project Title	Name	School	School District	Grade
Animal Science	Testing the Effects of Overpopulation on a Population of Crickets	Andrew Lay	Wilson High School	Tacoma	9th
Behavioral & Social Sciences	The Use of Peppermints and Retention of Colors	Roycen Daley	Wilson High School	Tacoma	9th
Energy & Transportation	An Assessment of the Practicality of Copper Solar Cells	Nicolas Basil	Curtis High School	University Place	11th
Environmental Management	The Development of a Probability Occurrence Model for Alexandrium catenella Blooms in Quartermaster Harbor, WA	Casey Kendall	Bellarmino Preparatory School	Private	12th
		Elizabeth Sharrard	Bellarmino Preparatory School	Private	12th
Environmental Sciences	Best Pesticide in Town	Erik Carlsen	Wilson High School	Tacoma	9th
Medicine & Health Sciences	Vitamin C in Bell Peppers	Avonlea Werdell	Frontier Junior High School	Bethel	9th
Microbiology	Bacteria in Different Headphone Type	Jimmy Van	Wilson High School	Tacoma	9th
Physics & Astronomy	Surface Tension	Jordan McAllister	Frontier Junior High School	Bethel	9th
Plant Sciences	The Affect of Citric Acid on How Fast Seeds Germinate	Daniel Hanson	Wilson High School	Tacoma	9th

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First Place

Project Category	Project Title	Name	School	School District	Grade
Animal Science	The Effect of Lawn Products H2O Pollution on Gold Fish Respiration	Brittany Mahoney	Wilson High School	Tacoma	9th
Behavioral & Social Sciences	Boy Girl or Neutral?	Rachel Newkirk	Lakes High School	Clover Park	9th
Cellular & Molecular Biology	Distinguishing Associations between the Entropion Eyelid Phenotype and Mutations on the Candidate Gene on Chromosome 4	Ashwin Prakash	Curtis High School	University Place	11th
Chemistry	Electrolysis and Supersaturation of Sodium Bicarbonate	Makayla Henry	Lakes High School	Clover Park	10th
Energy & Transportation	The Revolution of Supersonic Technology: Implementing Dihedral Winglets for Performance Optimization in Supersonic Flow	Sumukh Bharadwaj	Capital High School	Olympia	11th
Eng: Electrical & Mechanical	Can You Hear Me Now?	Sampath Duddu	Capital High School	Olympia	10th
Eng: Materials & BioEng	Construction and Utilization of a Two-Space Mechanical Lung Models for the Estimation of Airway Resistance of Infants with Pulmonary Diseases	Veena Iyengar	Bellarmine Preparatory School	Private	11th
Environmental Management	The use of mint as a Rodent Repellent	Sierra Suafoa-McClain	Wilson High School	Tacoma	9th
Environmental Sciences	Plankton Effect on Razor Clams	Colton Kray	Lakes High School	Clover Park	10th
Medicine & Health Sciences	Holistic Cancer Preventions to Crown Gall Tumors Caused by Agrobacterium Tumefaciens	Elise Wilson	Sumner High School	Sumner	10th
Microbiology	Testing Water Quality at Chambers Creek	Nick Merriman	Wilson High School	Tacoma	9th
Physics & Astronomy	Testing the Effects of Electret Backing Geometry on Rotational Velocity	Rian Chandra	Capital High School	Olympia	11th
Plant Sciences	The Effects of Phytophthora and Pythium on Noble Fir Seedlings	Amanda Lane	Bellarmine Preparatory School	Private	12th