

2013 South Sound Regional Science Fair

High School Awards

Honorable Mention

Project Category	Project Title	Name	School	School District	Grade
Animal Science	Mint Mouse: The study of Mentha piperita on	Kyra Williams	Wilson High School	Tacoma	9th
Behavioral & Social Sciences	Strange Addiction: The Effect of the Presence of a Cell Phone on	Jaeda Ballard	Wilson High School	Tacoma	10th
Biochemistry	Can raw foods be digested as	Christina Olivieri	Annie Wright Schools	PNAIS	11th
		Heidi Bock	Annie Wright Schools	PNAIS	11th
Chemistry	The Chemistry of Hair	Elisa Jones	Harrison Preparatory	Clover Park	10th
	The Effect of Type of Liquid on the Liquid's Electrical	Zoe Nelson	Harrison Preparatory School	Clover Park	9th
Computer Science	Operating System Performance	Idean Labib	Olympia High School	Olympia	9th
		Saba Noorassa	Olympia High School	Olympia	9th
Eng: Electrical & Mechanical	Fried Technology: Using Different Computer Fan Configurations on the Effect of Case	Andrew Bone	Wilson High School	Tacoma	9th
Environmental Management	Better Electricity: Putting Turbines	Daniel MacDonald	Wilson High School	Tacoma	9th
	Surface Erosion	Gavin Hilligoss	Wilson High	Tacoma	9th
Environmental Sciences	Butts Don't: The Effect of Cigarette Butts on the	Tram Nguyen	Wilson High School	Tacoma	9th
	Tagro or Tag-NO? The effect of	Vinny Peitz	Wilson High School	Tacoma	9th
Mathematical Sciences	Did you get that?: Possible Relationships Between	Katherine Richardson	Wilson High School	Tacoma	9th
Medicine & Health Sciences	Sanitize your Purse	Yelizaveta Dorokhova	Wilson High School	Tacoma	9th
	That Clean Feeling: The Study of Liquid and Solid Soap and which	Alex Moore	Wilson High School	Tacoma	10th
Microbiology	Hand Bacteria: Testing grocery cart handles for bacteria before	Ethan Preston	Wilson High School	Tacoma	9th
	Which disinfectant kills	Hyun Jin Kim	Life Christian Academy	Private	9th

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Honorable Mention (Continued)

Physics & Astronomy	Electric Heat	Hannah Ott	Lakes High School	Clover Park	12th
	What is the Effect of Spin on	Riki Takeuchi	Harrison Preparatory	Clover Park	10th
Plant Sciences	Committing Herbicide: Simulating Weed Control Using Allelopathic	Alex Gayvoronski	Wilson High School	Tacoma	9th
	Killing the Morning: The effect of different	Cordell Corbin	Wilson High School	Tacoma	9th
	The Effect of Cooking Methods and Time on the	Rachel Newkirk	Lakes High School	Clover Park	10th

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Third Place

Project Category	Project Title	Name	School	School District	Grade
Animal Science	The Effect of Temperature on the Reproduction Rate of	Marlee Hopkins	Harrison Preparatory School	Clover Park	10th
Eng: Electrical & Mechanical	A Comparative Study of Electronic and	Don Li	Capital High School	Olympia	10th
Environmental Sciences	Testing the effect of different pesticides on the	Cyrus Maxon	Wilson High School	Tacoma	9th
Medicine & Health Sciences	Dirty Talk: The effect of cleaning a cell phone with alcohol wipes on	Madeleine Dodge	Wilson High School	Tacoma	9th
	Is pupil size the only factor of eye adaptation to darkness?	Amber Beck	Harrison Preparatory	Clover Park School District	9th
Microbiology	Bad Bacteria: How bacteria colonies grow when sampled from	Katy Murphy	Wilson High School	Tacoma	9th
	How Dairy You: The effect of multiple sources of milk on the multiplication and	Alexander Dillon	Wilson High School	Tacoma	9th

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Second Place

Project Category	Project Title	Name	School	School District	Grade
Animal Science	12 Nucleotides on Chromosome 18; Are They Responsible for	Alyssa McGee	Sumner High School	Sumner	9th
		Natalie Santo Domingo	Sumner High School	Sumner	9th
Behavioral & Social Sciences	Male Versus Female: Prevalence of Autism Spectrum	Elise Wilson	Sumner High School	Sumner	11th
	Paper vs. Computer: The Effect of Using a	Cor Kruithof	Wilson High School	Tacoma	9th
Chemistry	Frozen Fuel	Joshua Jolibois	Harrison Preparatory	Clover Park	12th
Eng: Electrical & Mechanical	xAlert:Safety Alert System for Mobile	Mehar Nallamalli	Capital High School	Olympia	9th
Environmental Sciences	Aerated Vs. Static Composting	Amanda Hooser	Sumner High School	Sumner	11th
		Kaitlin Tighe	Sumner High School	Sumner	11th
	Effects of Arsenic on Puget Sound's	Colton Kray	Lakes High School	Clover Park	11th
Medicine & Health Sciences	Dust in the Wind: The Effectiveness of a Honeywell F300 Electronic	Jake Patzer	Wilson High School	Tacoma	9th
Microbiology	Comparing the Safety of Water Sources: Analyzing Bacteria	Myung Joo "Angela" Song	Annie Wright School	PNAIS	9th
Physics & Astronomy	Icing On Top	Samantha Ward	Sumner High School	Sumner	10th

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First Place

Project Category	Project Title	Name	School	School District	Grade
Animal Science	The a-MAZE-ing Race: Testing The Intellegence Level	Joshua Lawrence	Wilson High School	Tacoma	9th
Behavioral & Social Sciences	The effect of aromas on simple physical	Tali Haller	Olympia High School	Olympia	11th
Chemistry	What is the effect of different acids (muriatic acid and CLR) on different	Hailey Noyes	Harrison Preparatory School	Clover Park	11th
Computer Science	Comparing the Sound Fidelity of Different Sound	Sampath Duddu	Capital High School	Olympia	11th
Energy & Transportation	Configuring a biplane airfoil for practical application and sonic boom reduction in	Sumukh Bharadwaj	Capital High School	Olympia	12th
Eng: Electrical & Mechanical	Next Generation Robot	Deepak Ganesh	Olympia High School	Olympia	9th
Eng: Materials & Bioeng	What is the effect of varying materials on the amount of water	Hannah Jolibois	Harrison Preparatory School	Clover Park	10th
Environmental Sciences	Lead In The Water! The Lead Leeching of	Tessa Thurman	Annie Wright Schools	PNAIS	11th
Medicine & Health Sciences	Identifying Biomarkers That Predict the Onset	Alexis Harroun	Bellarmine Preparatory School	Private	12th
Microbiology	A Comparative Analysis of Bighorn Sheep (Ovis aries) and	Sean McGranaghan	Sumner High School	Sumner	10th
		Colin Wakefield	Sumner High School	Sumner	10th
Physics & Astronomy	Investigation of Anisotropic Neutron Radiation	Rian Chandra	Capital High School	Olympia	12th
		Jake Hecla	Aviation High School	Highline	12th
		Ray Maung	Kentwood High School	Kent	12th

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High School Overall Awards

Place	Project Title	Name	School	School District	Grade
Alternate	A Comparative Analysis of Bighorn Sheep (Ovis aries) and Domestic Sheep (Ovis canadensis) Blood Leukocytes	Sean McGranaghan	Sumner High School	Sumner	10th
		Colin Wakefield	Sumner High School	Sumner	10th
Third	Identifying Biomarkers That Predict the Onset	Alexis Harroun	Bellarmine Preparatory School	Private	12th
Second	Investigation of Anisotropic Neutron Radiation from a Farnsworth IEC Fusion Reactor	Rian Chandra	Capital High School	Olympia	12th
		Jake Hecla	Aviation High School	Highline	12th
		Ray Maung	Kentwood High School	Kent	12th
First/AAUW Outstanding Research	Configuring a biplane airfoil for practical application and sonic boom reduction in subsonic to supersonic flow through performance optimization	Sumukh Bharadwaj	Capital High School	Olympia	12th