

2017 South Sound Regional Science Fair

High School Awards

Honorable Mention

Project Category	Project Title	Name	School	School District	GR
Animal Sciences	A Death Wish for Star Wish	Audrey Streun	Wilson High School	Tacoma	9
	Microplastics Impact on Goldfish's Digestive System	Brooklyn Grant	Wilson High School	Tacoma	10
Behavioral & Social Sciences	What Effect Does Music Have on Sleep Induction and Quality?	Vanessa Honaker	Wilson High School	Tacoma	9
Biochemistry	Plant Versus Plant: The effects of different allelopathic leaf litters on Echinoclea Crus-Galli	Grey Egenes	Wilson High School	Tacoma	9
Biomedical and Health Sciences	A bacterial ballet inside your shoe: Determining the effect of time on bacterial growth on leather, canvas, and satin to determine which type of ballet shoe is better for a dancer's foot health	Delaney Mitchell	Wilson High School	Tacoma	9
	The Effect of Electronic Cigarettes on Pulmonary Function Test	Emma Song	Olympia High School	Olympia	10
Chemistry	Crystallization of Copper Sulfate on Varied Surfaces	Joel Barkman	Oakland Bay Junior High	Shelton	9
		Kevin Major	Oakland Bay Junior High	Shelton	9
		Joshua Manning	Oakland Bay Junior High	Shelton	9
Earth & Environmental Science	Oil and WATER: the effects of presence of a charcoal filter on the amount of oil filtered from a water sample	Rolin Stone	Wilson High School	Tacoma	10
	The effect of the amount of time sunscreen is exposed to water on the amount of sunscreen that enters the water	Brianna Benner	Wilson High School	Tacoma	9
	Water Testing for Dogs: The Effects of Different Types of Water on Daphnia	Mackenzie Hough	Wilson High School	Tacoma	9

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Engineering Mechanics	Biosand On Demand	Grace Livingston	Harrison Preparatory School	Clover Park	9
Environmental Engineering	Rain Water	Hope Lalau	Wilson High School	Tacoma	9
Microbiology	Bacteria on Socks	Jamal Camat	Wilson High School	Tacoma	9
	The effect of lavender, tea tree, and oregano essential oils on bacteria	Maura Kautz	Wilson High School	Tacoma	9
Plant Sciences	Biofilters	Julian Kloby	Wilson High School	Tacoma	9
	Plant Killer	Hunter McAmis	Wilson High School	Tacoma	9
	Smoky Plants; How incense smoke affects plants	Trey Lara	Wilson High School	Tacoma	9
	The Effect of the Presence on Banana Peels on the Plants Mass	Katie Beckner	Wilson High School	Tacoma	9
Translational Medical Science	Lead in school water systems	Kai Jorn	Wilson High School	Tacoma	9

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Third Place

Project Category	Project Title	Name	School	School District	GR
Behavioral & Social Sciences	The McCollough Effect	Katie Looper	Harrison Preparatory School	Clover Park	10
Biomedical and Health Sciences	Carbon dioxide: Athletes vs Non-athletes	Kiara Maxwell	Wilson High School	Tacoma	9
	Does Particulate Matter? : Measuring Air Particulate at Different Heights	Andrew Le	Wilson High School	Tacoma	9
Chemistry	Ocean Acidification	Angel Reddy	Harrison Preparatory School	Clover Park	11
Earth & Environmental Science	Carbon Dioxide in an Environment	Jordan Josey	Wilson High School	Tacoma	9
	Introducing Dissolved Oxygen	Angela Nguyen	Wilson High School	Tacoma	9
Microbiology	What is the effect of different dirty makeup brushes on the amount of dangerous bacteria?	Alexis Swenson	Wilson High School	Tacoma	9

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Second Place

Project Category	Project Title	Name	School	School District	GR
Animal Sciences	The Effect of Deicing Salts on Red Worms	Samuel Ulvila	Wilson High School	Tacoma	9
Behavioral & Social Sciences	Rosemary & Alzheimer's Dementia: A Cognitive Mental Disorder Affecting Memory	Elizabeth Buchanan	Wilson High School	Tacoma	9
Biomedical and Health Sciences	Coconut Oil, a Superfood	Trevon Kalning	Wilson High School	Tacoma	9
	Minty Menthol Mending: The effect of the presence of menthol (Mentha piperita-peppermint) on the number of Propionibacterium acnes bacteria colonies will show if peppermint can help manage acne	Juliann Luu	Wilson High School	Tacoma	9
Chemistry	The Effects of Silver Nitrate on the Enzyme Catalase	Jennifer Niemi	Harrison Preparatory School	Clover Park	11
Earth & Environmental Science	Natural Repellent: Can tomatoes reduce the amount of carrot flies on growing carrots to increase the benefit of healthy carrots?	Kimora Phillips	Wilson High School	Tacoma	9
	The effects of rain on the fecal coliform count	Luke Lewis	Wilson High School	Tacoma	9

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Second Place Continued)

Engineering Mechanics	Press-Sure Soccer Ball: Press-Sure Soccer Ball: A Stroke Therapy Tool to Improve the Process of Rebuilding Neural Pathways	Amelia Day	Sumner High School	Sumner	9
Microbiology	Plastic Microbeads: The Effect of Toxic Microbeads on the Heartbeat of Daphnia	Christine To	Wilson High School	Tacoma	9
Plant Sciences	Plants with Algae: The effect of algae compost on plant growth	Kelly Luong	Wilson High School	Tacoma	9

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First Place

Project Category	Project Title	Name	School	School District	GR
Animal Sciences	Within The Tides: The Effect Of Current Velocity And Plankton Density On Barnacle Density	Anna Krabill	Wilson High School	Tacoma	9
Behavioral & Social Sciences	Priming the Subconscious Brain	Jeremy Kurtz	Bonney Lake High School	Sumner	12
Biomedical and Health Sciences	The Effect of Phones on Ones Sleep	Leann Coates	Wilson High School	Tacoma	9
Biomedical Engineering	MyHealth: Detection and Monitoring of Parkinson's Disease Motor Symptoms	Surabhi Mundada	Olympia High School	Olympia	12
Cellular & Molecular Biology	A Novel Approach to Understanding Cancer: Using Antitumor Agents In The G2/M DNA Damage Checkpoint In The P53 Gene On The Early Development of Zebrafish Embryos	Ashlynn Gallagher	W.F. West High School	Chehalis	11
Chemistry	The Effect of Drying Time on the Amount of Volatile Organic Compounds (VOCs) Present in the Air	Savanah Olson	Wilson High School	Tacoma	9
Computational Biology	The TNFAIP8L2 Gene is Associated with Favorable Patient Prognosis and the Immune Response in Invasive Breast Carcinoma	Frances Maher	Timberline High School	North Thurston	12
Earth & Environmental Science	Plastic investigation: Testing Sites in Titlow on the amount of plastic	Jack Spitzer	Wilson High School	Tacoma	9

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First Place (Continued)

Energy: Chemical	Determining optimal net structure through the principles of reticular chemistry for the optimization of catalyst structure for efficient biofuel production	Aditi Kumar	Timberline High School	North Thurston	11
Energy: Physical	Making Wind Energy Even More Efficient	Isaak Caves	Curtis High School	University Place	10
Engineering Mechanics	Maximizing the efficiency of Delta wings; the effect of leading edge sweep angle and location of maximum thickness on lift-to-drag ratios of delta wings at various angles of attack.	Raghavendra Bharadwaj	Capital High School	Olympia	10
Microbiology	Using Spices to Develop an Alternative Treatment for Staphylococcus epidermidis	Supraja Kadagandla	Olympia High School	Olympia	9
Plant Sciences	Allelopathy of Prunus Serotina	Anastasia Argat	Wilson High School	Tacoma	9
Robotics & Intelligent Machines	An Early Myocardial Infarction Detection System Using Complex Artificial Intelligence	Abhinav Gundrala	Olympia High School	Olympia	10