

2017 South Sound Regional Science Fair

High School Specialty Awards

Award	Project Title	Name	GR	School	District
American Psychological Association Certificate of Award	Priming the Subconscious Brain	Jeremy Kurtz	12	Bonney Lake High School	Sumner
NOAA's Taking the Pulse of the Planet Award	Plastic investigation: Testing Sites in Titlow on the amount of plastic	Jack Spitzer	9	Wilson High School	Tacoma
Office of Naval Research Naval Science Award	The Effect of Electronic Cigarettes on Pulmonary Function Test	Emma Song	10	Olympia High School	Olympia
	Determining optimal net structure through the principles of reticular chemistry for the optimization of catalyst structure for efficient biofuel production	Aditi Kumar	11	Timberline High School	North Thurston
	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	10	Capital High School	Olympia
	Cloud chamber	Samuel Dawson	10	Life Christian Academy	Private
Innovative Science Award	Rosemary & Alzheimer's Dementia: A Cognitive Mental Disorder Affecting Memory	Elizabeth Buchanan	9	Wilson High School	Tacoma
Safety First Award	The Effects of Silver Nitrate on the Enzyme Catalase	Jennifer Niemi	11	Harrison Preparatory School	Clover Park
	The Effect of the Water Source on Nitrate Levels	Taylor Herbert	9	Wilson High School	Tacoma

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High School Specialty Awards (Continued)

Award	Project Title	Name	GR	School	District
Stockholm Junior Water Price	Effects of Time on the Dilution of Bleach in Water	Alex Parsons	10	Wilson High School	Tacoma
	The effect of the amount of time sunscreen is exposed to water on the amount of sunscreen that enters the water	Brianna Benner	9	Wilson High School	Tacoma
	Plastic investigation: Testing Sites in Titlow on the amount of plastic	Jack Spitzer	9	Wilson High School	Tacoma
The Regional Ricoh Sustainable Development Award	Biofiltration Battles: phosphate and nitrate will determine the most effective plant and soil combination for nutrient removal	Gavin Fink	9	Wilson High School	Tacoma
US Air Force Certificate of Achievement	An Early Myocardial Infarction Detection System Using Complex Artificial Intelligence	Abhinav Gundrala	10	Olympia High School	Olympia
	Making Wind Energy Even More Efficient	Isaak Caves	10	Curtis High School	University Place
	Priming the Subconscious Brain	Jeremy Kurtz	12	Bonney Lake High School	Sumner
	Using Spices to Develop an Alternative Treatment for Staphylococcus epidermidis	Supraja Kadagandla	9	Olympia High School	Olympia
US Metric System Award	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	11	W.F. West High School	Chehalis

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Yale: Most Outstanding 11th Grade Exhibit	The Effects of Silver Nitrate on the Enzyme Catalase	Jennifer Niemi	11	Harrison Preparatory School	Clover Park
Notebook Neatness	Mlcroplastics Impact on Goldfish's Digestive System	Brooklyn Grant	10	Wilson High School	Tacoma
	Within The Tides: The Effect Of Current Velocity And Plankton Density On Barnacle Density	Anna Krabill	9	Wilson High School	Tacoma
	The Effect of the Water Source on Nitrate Levels	Taylor Herbert	9	Wilson High School	Tacoma
	Making Wind Energy Even More Efficient	Isaak Caves	10	Curtis High School	University Place
	Plastic Microbeads: The Effect of Toxic Microbeads on the Heartbeat of Daphnia	Christine To	9	Wilson High School	Tacoma
	The effect of chemical pellets on moss and how much it reduces moss growth in lawns	Hayley Scarlett	9	Wilson High School	Tacoma
Intel's Excellence in Computer Science	An Early Myocardial Infarction Detection System Using Complex Artificial Intelligence	Abhinav Gundrala	10	Olympia High School	Olympia
Association for Women Geoscientists	The effect of park soil vs healthy soil on field capacity will determain how to improve degradated soil	Claudia Cook	9	Wilson High School	Tacoma

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Cummins	Determining optimal net structure through the principles of reticular chemistry for the optimization of catalyst structure for efficient biofuel production	Aditi Kumar	11	Timberline High School	North Thurston
USGS Award	A Death Wish for Star Wish	Audrey Streun	9	Wilson High School	Tacoma
	Within The Tides: The Effect Of Current Velocity And Plankton Density On Barnacle Density	Anna Krabill	9	Wilson High School	Tacoma
	Introducing Dissolved Oxygen	Angela Nguyen	9	Wilson High School	Tacoma
	The Effect of the Water Source on Nitrate Levels	Taylor Herbert	9	Wilson High School	Tacoma
	Plastic investigation: Testing Sites in Titlow on the amount of plastic	Jack Spitzer	9	Wilson High School	Tacoma
	Plastic Microbeads: The Effect of Toxic Microbeads on the Heartbeat of Daphnia	Christine To	9	Wilson High School	Tacoma
NASA Earth System Science Award	Natural Repellent: Can tomatoes reduce the amount of carrot flies on growing carrots to increase the benefit of healthy carrots?	Kimora Phillips	9	Wilson High School	Tacoma

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Award	Project Title	Name	GR	School	District
Washington State Science and Engineering Fair	MyHealth: Detection and Monitoring of Parkinson's Disease Motor Symptoms	Surabhi Mundada	12	Olympia High School	Olympia
Exceptional Genius Award	Natural Repellent: Can tomatoes reduce the amount of carrot flies on growing carrots to increase the benefit of healthy carrots?	Kimora Phillips	9	Wilson High School	Tacoma
	The effects of rain on the fecal coliform count	Luke Lewis	9	Wilson High School	Tacoma
	Plastic investigation: Testing Sites in Titlow on the amount of plastic	Jack Spitzer	9	Wilson High School	Tacoma