

**2018 South Sound Regional Science Fair  
High School Specialty Awards**

<b>Award</b>	<b>Project Title</b>	<b>Name</b>	<b>GR</b>	<b>School</b>	<b>District</b>
NOAA's Taking the Pulse of the Planet Award	DO Phytoplankton	Angela Nguyen	10	Wilson HS	Tacoma
Technology Award	Myocardial Infarction Prediction and Detection System Using AI Based GAN Algorithms	Abhinav Gundrala	11	Olympia HS	Olympia
Safety First Award	Redesign Water Filters Worldwide to Neutralize pH Levels of Water	Kathleen Julca	9	Harrison Preparatory	Clover Park
	Mystery pH	Makayla Nauta	10	Lakes HS	Clover Park
	The Effect of Burning Incense on Particle Pollution in the Air	Kai Wilks	11	Wilson HS	Tacoma
	An Innovative Alternative to Treating HIV: The Use of an Antibody Drug Conjugate	Nathan Avery	12	W.F. West HS	Chehalis
Stockholm Junior Water Prize	Marina Mayhem: The Effect of Nitrates & Phosphates in Local Marina	Abigaile Richmond	11	Wilson HS	Tacoma
		Grace Pitts	11		
Association for Women Geoscientists	Redesign Water Filters Worldwide to Neutralize pH Levels of Water	Kathleen Julca	9	Harrison Preparatory	Clover Park
USGS	DO Phytoplankton	Angela Nguyen	10	Wilson HS	Tacoma
	Marina Mayhem: The Effect of Nitrates & Phosphates in Local Marina	Abigaile Richmond	11	Wilson HS	Tacoma
		Grace Pitts	11		

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### High School Specialty Awards (Continued)

Award	Project Title	Name	GR	School	District
US Metric System Award	Can Lettuce Cells Survive in Extreme Temperatures?	Katherine Becking	9	Harrison Preparatory	Clover Park
Yale: Most Outstanding 11th Grade Exhibit	The Effect of Different pH Values on the Reaction Time of the Enzyme Catalase	Jessica Niemi	10	Harrison Preparatory	Clover Park
Notebook Neatness	Clothing for Climate	Mya Baker	9	Harrison Preparatory	Clover Park
	The Effects of Iodized Salt on the Mung Beans Spouting Time	ChannBorAmey Phon	10	Wilson HS	Tacoma
	Isolation and Characterization of an E. faecalis Bacteriophage for Dental Caries Treatment	Nuria Chandra	11	Capital HS	Olympia
	An Innovative Alternative to Treating HIV: The Use of an Antibody Drug Conjugate	Nathan Avery	12	W.F. West HS	Chehalis
ASU Walton Sustainability Solutions Initiatives	Redesign Water Filters Worldwide to Neutralize pH Levels of Water	Kathleen Julca	9	Harrison Preparatory	Clover Park

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### High School Specialty Awards (Continued)

Award	Project Title	Name	GR	School	District
Project Achievement Award	A Novel Approach To Diagnosing Zika: The Use of Silk Fibroin Protein and 2D Paper Networks To Create A Temperature-Independent, Affordable Paper Test Strip	Ashlynn Gallagher	12	W.F. West HS	Chehalis
Mu Alpha Theta Award	Myocardial Infarction Prediction and Detection System Using AI Based GAN Algorithms	Abhinav Gundrala	11	Olympia HS	Olympia
Cummins Award	Marina Mayhem: The Effect of Nitrates & Phosphates in Local Marina	Abigaile Richmond	11	Wilson HS	Tacoma
		Grace Pitts	11	Wilson HS	Tacoma