

2018 South Sound Regional Science Fair

High School Awards

Third Place

Project Category	Project Title	Name	School	School District	GR
Earth & Environmental Science	Marina Mayhem: The Effect of Nitrates & Phosphates in Local Marina	Abigaile Richmond	Wilson HS	Tacoma	11
		Grace Pitts			11
Plant Sciences	Growth of sprouts in solutions with varying concentrations of fertilizer	Meredith Young	Harrison Preparatory	Clover Park	10

Second Place

Project Category	Project Title	Name	School	School District	GR
Chemistry	Mystery pH	Makayla Nauta	Lakes HS	Clover Park	10
Earth & Environmental Science	The Effect of Burning Incense on Particle Pollution in the Air	Kai Wilks	Wilson HS	Tacoma	11
Plant Sciences	The Effects of Iodized Salt on the Mung Beans Spouting Time	ChannBorAmey Phon	Wilson HS	Tacoma	10

First Place

Project Category	Project Title	Name	School	School District	GR
Biochemistry	An Innovative Alternative to Treating HIV: The Use of an Antibody Drug Conjugate	Nathan Avery	W.F. West HS	Chehalis	12
Biomedical and Health Sciences	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	W.F. West HS	Chehalis	12
Cellular & Molecular Biology	The Effects of stress hormones in Zebrafish neural repair	Bennett Bull	W.F. West HS	Chehalis	12

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First Place (Continued)

Project Category	Project Title	Name	School	School District	GR
Chemistry	The Effect of Different pH Values on the Reaction Time of the Enzyme Catalase	Jessica Niemi	Harrison Preparatory	Clover Park	10
Earth & Environmental Science	DO Phytoplankton	Angela Nguyen	Wilson HS	Tacoma	10
Embedded Systems	A Portable Android Based Diagnosis System of Prevalent Chronic Respiratory Illnesses	Sathvik Nallamalli	Olympia HS	Olympia	9
Environmental Engineering	Redesign Water Filters Worldwide to Neutralize pH Levels of Water	Kathleen Julca	Harrison Preparatory	Clover Park	9
Microbiology	Isolation and Characterization of an E. faecalis Bacteriophage for Dental Caries Treatment	Nuria Chandra	Capital HS	Olympia	11
Plant Sciences	Can Lettuce Cells Survive in Extreme Temperatures?	Katherine Becking	Harrison Preparatory	Clover Park	9
Robotics & Intelligent Machines	Myocardial Infarction Prediction and Detection System Using AI Based GAN Algorithms	Abhinav Gundrala	Olympia HS	Olympia	11
Systems Software	Clothing for Climate	Mya Baker	Harrison Preparatory	Clover Park	9

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2018 OVERALL AWARDS

Place	Project Title	Name	School	School District	GR
Fourth	Isolation and Characterization of an E. faecalis Bacteriophage for Dental Caries Treatment	Nuria Chandra	Capital HS	Olympia	11
Third	Myocardial Infarction Prediction and Detection System Using AI Based GAN Algorithms	Abhinav Gundrala	Olympia HS	Olympia	11
Second	A Portable Android Based Diagnosis System of Prevalent Chronic Respiratory Illnesses	Sathvik Nallamalli	Olympia HS	Olympia	9
First	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	W.F. West HS	Chehalis	12