2019 South Sound Regional Science Fair

High School Awards

Honorable Mention

Project Category	Project Title	Name	School	School District	GR
Animal Sciences	The Great Hermit Crab Escape: Assessing the Adaptability of Hermit Crabs	Eva Gleitz	Annie Wright Schools	Private	11
Behavioral & Social Sciences	Synesthesia: Studying the association of color	Mia Escobar	Annie Wright Schools	Private	9
	The Effect of Serial Tasking on Long-term Memory	Xinzhuoyun Li	Annie Wright Schools	Private	11
Biochemistry	Seeds chemical energy	Eliel Ortiz	Harrison Preparatory School	Clover Park	9
Biomedical and Health Sciences	Simulated Stomachs: An Investigation of NSAID Absorption	Gracie Kim	Annie Wright Schools	Private	10
		Kaylah Tan			10
	Taking Care of Your Lips: Natural v.s Chemical Lip Balm	Yi-Hsuan Wu	Annie Wright Schools	Private	12
		Jaskiran Pental			12
Cellular & Molecular Biology	Denaturing Proteins	Camilo Zuniga	Harrison Preparatory School	Clover Park	10
Chemistry	The Effect of pH Values on the Reaction Time of the Enzyme Catalase	Jason Niemi	Harrison Preparatory School	Clover Park	9
Embedded Systems	Camera Integrated Smoke Detector	Benjamin Skinner	Steilacoom High School	Steilacoom Historical	10
Physics & Astronomy	Accessible Thermoelectric Diffusion Cloud Chamber	Kathleen Julca	Harrison Preparatory School	Clover Park	10
Systems Software	UNet: A Networking Application To Provide Resources for the Community	Kaylee Lam	Olympia High School	Olympia	10

2019 South Sound Regional Science Fair

High School Awards

Second Place

Project Category	Project Title	Name	School	School District	GR
Biomedical and Health Sciences	Brushing Up on our Dental Hygiene: Manual vs. Electric Toothbrushes	Jisoo Kim	Annie Wright Schools	Private	10
		Simran Rakhra			12
	What is the effect of temperature on the ability of lipase to break down oil?	Josephine Kaiser	Harrison Preparatory School	Clover Park	9
Earth & Environmental Science	Scrubbing Out Microplastics: An Investigation of the Environmental Impacts of Facial Care Products	Joanne Wang	Annie Wright Schools	Private	11

First Place

Project Category	Project Title	Name	School	School District	GR
Animal Sciences	Pillbug "Scents"-ibilities: Essential Oils and Crustacean Behavior	Hollis Shadko	Annie Wright Schools	Private	12
		An Nguyen			12
Behavioral & Social Sciences	Anxiety Disorder Detection and EMDR Treatment Using Optical PCCR Eye Tracking	Abhinav Gundrala	Olympia High School	Olympia School District	12
		Nicole Gunderson			12
		Rachel Freeman			12
Biomedical and Health Sciences	Digestive Enzyme Activity And Lipid Digestion	Eileen Nguyen	Harrison Preparatory School	Clover Park	9

2019 South Sound Regional Science Fair

High School Awards

First Place (Continued)

Project Category	Project Title	Name	School	School District	GR
Biomedical Engineering	A Lung Cancer Prediction and Detection System using Nodule Based Methods and Machine Learning Algorithms	Sathvik Nallamalli	Olympia High School	Olympia	10
Chemistry	Fire Proof Paint	Angel Lee	Harrison Preparatory School	Clover Park	9
Earth & Environmental Science	Studying the Effects of BPS on Guppy Embryo Quality	Rachael Medalia	Woodrow Wilson High School	Tacoma	12
Energy: Chemical	Perovskite Solar Cells: A simple hot casting method to formulate high-quality uniform Lead Free Sn-based Perovskite film with Reduced Pin holes	Smriti Somasundaram	Olympia High School	Olympia	9
Energy: Physical	Vortex of Power: Power Generation from Hot and Cold Water	Jessy Li	Annie Wright Schools	Private	11
Plant Sciences	Power for Plants: The Effects of Different Types of Light on Plant Growth	Jillian Eliel	Annie Wright Schools	Private	10

2019 OVERALL AWARDS

Place	Project Title	Name	School	School District	GR
Third	Anxiety Disorder Detection and EMDR Treatment Using Optical PCCR Eye Tracking	Abhinav Gundrala	Olympia High School	Olympia School District	12
		Nicole Gunderson			12
		Rachel Freeman			12
Second	Perovskite Solar Cells: A simple hot casting method to formulate high-quality uniform Lead Free Sn-based Perovskite film with Reduced Pin holes	Smriti Somasundaram	Olympia High School	Olympia	9
First	A Lung Cancer Prediction and Detection System using Nodule Based Methods and Machine Learning Algorithms	Sathvik Nallamalli	Olympia High School	Olympia	10