

**2011 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>
101 Apps - Best innovation: Computer science or technology	eHeart: ECG Signal Processing System for Automatic Detection of Cardiac Abnormalities	Vamsi Chunduru	12th	Capital High School	Olympia
AAUW Top Female Project	Entropion Eye Causitive Factors	Aerin Towle	12th	Sumner High School	Sumner
American Psychological Association Certificate of Award	Analysis of Risk Factors for Obesity in Washington State High School Students	Ashwin Prakash	10th	Curtis High School	University Place
AMS Certificate of Outstanding Achievement	Effects of Geomagnetic Storms	Brandyn Bayes	9th	Frontier Junior High	Bethel
ASM Certificate of Recognition	Filtering Roof Run-off with Natural Filters	Liam McCormack	9th	Wilson High School	Tacoma
Association for Women Geoscientists	The Effect of Carbon Dioxide Acidified Seawater on Shell Dissolution on the Manila Clam ( <i>Venerupis philippinarum</i> ) and the Olympia Oyster ( <i>Ostrea lurida</i> )	Alokya Perera	12th	Bellarmine Preparatory School	Private
Best documented projects (data organization, lab notes)	Acid Kills: The Effects of Different Acids on Bacteria Growth and Prevention	Joan Vo	9th	Wilson High School	Tacoma
Best documented projects (data organization, lab notes)	Grades: Does Attendance Matter?	Katelyn Carlson	9th	Frontier Junior High	Bethel
Intel	Filtering Roof Run-off with Natural Filters	Liam McCormack	9th	Wilson High School	Tacoma
Mu Alpha Theta	Black Holes	Chanel Washington	12th	Lakes High School	Clover Park
NEED Energy in Action	Bagged vs. Plastic	Christopher Neiman	9th	Wilson High School	Tacoma
NOAA's 2009 Taking the Pulse of the Planet Award	Biofilm Nutrient Concentration From Spirit Lake Log Mat	Sara Scott	12th	Bellarmine Preparatory School	Private
NSPE Innovative Engineering Award	Using a Genetic Algorithm to Optimize Robot Navigation	Jill Shah	9th	Olympia High School	Olympia
Office of Naval Research Naval Science Award	Cleaning Water With Duckweed	Jesse Gayvoronski	9th	Wilson High School	Tacoma
Office of Naval Research Naval Science Award	Just a Spoonful of Medicine: The Effects of Filtration on Ammonia Level in Water	Natalia Cortez	9th	Wilson High School	Tacoma
Office of Naval Research Naval Science Award	Using a Genetic Algorithm to Optimize Robot Navigation	Jill Shah	9th	Olympia High School	Olympia
Point Defiance Zoo: Best project involving wildlife or other animals	Bivalve Larval Settling Patterns Using In situ Methods in Quartermaster Harbor	Kate Harrison	12th	Bellarmine Preparatory School	Private

**2011 South Sound Regional Science Fair  
High School Specialty Awards (Continued)**

<b>Award</b>	<b>Project Title</b>	<b>Name</b>	<b>GR</b>	<b>School</b>	<b>District</b>
Safety First Award	Bathroom Pass Bacteria: Girls vs. Boys	Cody Dodge	9th	Wilson High School	Tacoma
Safety First Award	Burning The Wood	Tommy Tu	9th	Wilson High School	Tacoma
Safety First Award	Ingredients to Stop Ants: Ways to Effectively Stop an Ant From Moving Forward	Kayleena Roberts	9th	Wilson High School	Tacoma
Society for In Vitro Biology	Aspects of Images	Jasjit Basi	11th	Capital High School	Olympia
Stockholm Junior Water Prize	Greener Gas Engines	Amanda Gill	10th	Lakes High School	Clover Park
The 2011 Regional Ricoh Sustainable Development Award	Greener Gas Engines	Amanda Gill	10th	Lakes High School	Clover Park
US Air Force Certificate of Achievement	Building Placement Affecting Wind Speed	Toni Cox	9th	Wilson High School	Tacoma
US Air Force Certificate of Achievement	Effects of Geomagnetic Storms	Brandyn Bayes	9th	Frontier Junior High	Bethel
US Air Force Certificate of Achievement	Magnetic Field Highway	Troy Leithead	9th	Wilson High School	Tacoma
US Army Certificate of Achievement - Engineering	Gone With the Wind: Engineering a Car Powered by Wind.	Cooper Eddy	9th	Wilson High School	Tacoma
US Army Certificate of Achievement - Environment	Nutrient Analysis of Macrophytes Collected in Spirit Lake	Conor Flannigan	12th	Bellarmino Preparatory School	Private
US Army Certificate of Achievement - Life Sciences	Bathroom Pass Bacteria: Girls vs. Boys	Cody Dodge	9th	Wilson High School	Tacoma
US Army Certificate of Achievement - Math	Using a Genetic Algorithm to Optimize Robot Navigation	Jill Shah	9th	Olympia High School	Olympia
US Army Certificate of Achievement - Physical Sciences	It's All a Spatter of Opinion	Colette Moss	12th	Lakes High School	Clover Park
US Metric System Award	Using a Genetic Algorithm to Optimize Robot Navigation	Jill Shah	9th	Olympia High School	Olympia
Weyerhaeuser Cellulose Fibers	Acid Kills: The Effects of Different Acids on Bacteria Growth and Prevention	Joan Vo	9th	Wilson High School	Tacoma
Yale Science and Engineering	Aspects of Images	Jasjit Basi	11th	Capital High School	Olympia