

## 2010 South Sound Regional Science Fair

### High School Honorable Mention Awards

Category	Project Title	Name	School	School District
Animal Science	Mealworms	Tatianna Bryant	Lakes HS	Clover Park
Behavioral & Social Sciences	I Just Can't Think! An Eperiment of the Effect's of Sounds on a Person's Ability to Form Thoughts	Zoe Mix	Wilson HS	Tacoma
	Light The Way	Alexandria Clark	Wilson HS	Tacoma
	The Science of Bias: How Bias Affects Perception/ The Affects of Mood vs. Color Therapy on Reaction to Color	Skylar Osler	Wilson HS	Tacoma
Chemistry	Amount of Water Inside of Cleaners	Rosemary Mathison	Lakes HS	Clover Park
Earth & Planetary Science	Washington: More Than Just Gray Skies	Tony Propp	Lakes HS	Clover Park
Energy & Transportation	Different Fuels vs Time	Levi Tegge	Wilson HS	Tacoma
Eng: Electrical & Mechanical	Better Protection Armor Project	Slater Heath	Wilson HS	Tacoma
	From Wind to Electricity	Amanda Finney	Wilson HS	Tacoma
Eng: Materials & Bioengineering	Leaf Logs! The Construction and Burning Process	Emilio Castaneda	Wilson HS	Tacoma
Environmental Sciences	Energy Made by your Commute:	Justin Oellerich	Wilson HS	Tacoma
Medicine & Health Sciences	Do Athletes Have Heart?	Emily Bohlen	Wilson HS	Tacoma
	The Cancer Genome Anatomy Project	Riley Roth	Frontier JH	Bethel
Physics & Astronomy	Cork vs Wood	Tori Vaughn	Bonney Lake HS	Sumner
	Why Did it Snap? : A Test on How Rapid Elevation Change Affects the Tension of Guitar Strings	Kyle Kass	Wilson HS	Tacoma

**2010 South Sound Regional Science Fair**  
**High School Third Place Awards**

<b>Category</b>	<b>Project Title</b>	<b>Name</b>	<b>School</b>	<b>School District</b>
Animal Science	Magnetic Shrimp! Effects of Magnetism on Brine Shrimp Heart Rate	Vatt Nem	Wilson HS	Tacoma
Behavioral & Social Sciences	Traditional and Thriving	Katherine Lee	Washington HS	Franklin Pierce
Chemistry	How does salt help to make fuel: Catalysts Effect on Hydrogen Production	Sheehan Smith	Wilson HS	Tacoma
Earth & Planetary Science	Don't be Trashy: A Reduction in Household Garbage Production Through Recycling and Composting	Alyssa Smith	Wilson HS	Tacoma
Energy & Transportation	Hot Water: What Could You Lose?	Alexa Blackman	Wilson HS	Tacoma
Eng: Electrical & Mechanical	A study in the effects of blunt force trauma in bullet impact.	Ryan Worrell	Wilson HS	Tacoma
Environmental Management	Slimey Business: A Solution for an Eco-Efficient Way to Repel Slugs From Healthy Plants	Diana Karlova	Wilson HS	Tacoma
Environmental Sciences	Can You Breathe Without Oxygen? Testing the Effects of the Presence of a Bridge on the Mixing of Water in a Canal Setting	Josiah MacDonald	Wilson HS	Tacoma
Medicine & Health Sciences	Testing the Accuracy of Diabetic Glucometers	Sean Contris	Wilson HS	Tacoma
Microbiology	Cleaning the World or Poisoning	Kaysha Fox	Wilson HS	Tacoma
Physics & Astronomy	Play it Right! Violins and Temperature	Catherine Wolfe	Wilson HS	Tacoma
Plant Sciences	From Garbage to Gifts! How Fruit Scraps Can Give Your Garden the Gift of Life.	Joseph Condon	Wilson HS	Tacoma

**2010 South Sound Regional Science Fair**  
**High School Second Place Awards**

<b>Category</b>	<b>Project Title</b>	<b>Name</b>	<b>School</b>	<b>School District</b>
Animal Science	Seasick Shellfish the Effect of Water Pollution on Sea Creatures	James Sivonen	Wilson HS	Tacoma
Behavioral & Social Sciences	Operant Conditioning in Household Pets: Which Household Animal Learns The Fastest	Roselise Sullivan-Barrett	Wilson HS	Tacoma
Cellular & Molecular Biology	Nature's Toxins: The Effects of Allelopathic Oils in Black Oil Sunflower Seed Shells on Living Organisms	Nicholas Dillon	Wilson HS	Tacoma
Chemistry	Chemiluminescence: Crime Scene Chemistry	Billie Edwards	Lakes HS	Clover Park
Earth & Planetary Science	The Race to Decay: The Effects of the Type of Container Compost is In	Diamond Atkins	Wilson HS	Tacoma
Energy & Transportation	Can You Feel The Heat? How the Air Temperature Around a Solar Panel Affects its Energy Output	Andrew Murphy	Wilson HS	Tacoma
Eng: Electrical & Mechanical	Design and Construction of a solar Powered Self Operating Composter	Ashwin Karnik	Bellarmino Prep	Private
Environmental Management	Just Water Please: The Effects of Lead on Aquatic Organisms	Heather Gerrish	Wilson HS	Tacoma
Environmental Sciences	Secrets of the Shingles: An Examination of the Effects of Different Shingles	Jacob Carrillo	Wilson HS	Tacoma
Medicine & Health Sciences	Springing Into Action	Sierra Espinal	Bonney Lake HS	Sumner
Microbiology	Nature's Antibiotics: The Effects of Natural vs. Pharmaceutical Antibiotics on Bacteria	Julie Van	Wilson HS	Tacoma
Physics & Astronomy	The Effects of an Airfoil on Lift	Jackson Dixon Galbreath	Lakes HS	Clover Park
Plant Sciences	Allelopathy	Avery Smalls	Wilson HS	Tacoma

**2010 South Sound Regional Science Fair**  
**High School First Place Awards**

<b>Category</b>	<b>Project Title</b>	<b>Name</b>	<b>School</b>	<b>School District</b>
Animal Science	Pop will make you drop! Checking Bones for Density Loss by pop Products.	Allyson Porter	Wilson HS	Tacoma
Behavioral & Social Sciences	Calling All Bacteria	Karissa Olson	Bonney Lake High School	Sumner
Biochemistry	Survivor: DNA	Chanel Washington	Lakes HS	Clover Park
Chemistry	Aluminum and Iron Salts' Effects on Phosphate Concentrations and pH of Pierce County Lake Water	Zac Johnson	Bellarmino Prep	Private
Earth & Planetary Science	Are They in Hot Water? Using Compost to Heat Water and Insulating Compost	Sela Neils	Wilson HS	Tacoma
Energy & Transportation	Rain Light! How Rain Energy Can Power Your Light Bulb	Tia Briggs	Wilson HS	Tacoma
Eng: Electrical & Mechanical	Design and Development of a Portable Light Trap for Sampling Brachyuran Crab Larvae	Heather Eberhart	Bellarmino Prep	Private
Environmental Management	Building a Better Bulkhead to Reduce Beach Erosion	Connor Henricksen	Wilson HS	Tacoma
Environmental Sciences	A Simple Byproduct of Metallurgy: An Examination of Slag's Affect on Marine Life and an Analysis of Seawater Exposed to Slag	Pearl Kahle	Wilson HS	Tacoma
Mathematical Sciences	Do You Like Pi? An Examine Of Dropping Needles On Lines To See How Many Hit And The Effects Of Replacing The Needle With An Equilateral Triangle	Abigail Richardson	Wilson HS	Tacoma
Medicine & Health Sciences	Coronary Artery Disease in Women: An Analysis of its Risk Factors and General Population Awareness	Preeti Prakash	Curtis HS	University Place
Microbiology	The Effects of Dandelion Tea on Microorganism Growth	Paije Mriglot	Wilson HS	Tacoma
Physics & Astronomy	Flashlight for firefighters. The penetration of different colored lights through smoke.	Alex Worland	Wilson HS	Tacoma
Plant Sciences	Rock on with Rock Dust: An Examination of the Effects of an All Natural Fertilizer On Soils Ability to Produce Taller and Drought Resistant Plants	Melissa McCarthy	Wilson HS	Tacoma

## 2010 South Sound Regional Science Fair

### High School Team Awards

Place	Project Title	Name	School	School District
Third Place	Analysis of Nutrient Content in Macrophytes at Spirit Lake	Andre Joseph	Bellarmino Prep	Private
		Meghan Blanchet	Bellarmino Prep	Private
Second Place	Shedding of OvHV-2 from Sheep at Fairs	Kelsey Oliver	Sumner HS	Sumner
		Rebecca Humphries	Sumner HS	Sumner
First Place	Design and Construction of a Rugosity Substrate Profile Gauge and Comparison with the In-Situ Chain Method	Kate Donahue	Bellarmino Prep	Private
		Lauren Farwell	Bellarmino Prep	Private

## 2010 South Sound Regional Science Fair

### High School Overall Awards

Place	Project Title	Name	Grade	School	School District
Third	Aluminum and Iron Salts' Effects on Phosphate Concentrations and pH of Pierce County Lake Water	Zac Johnson	12th	Bellarmino Prep	Private
Second	Coronary Artery Disease in Women: An Analysis of its Risk Factors and General Population Awareness	Preeti Prakash	11th	Curtis HS	University Place
<b>First/AAUW</b> Outstanding Research	Design and Development of a Portable Light Trap for Sampling Brachyuran Crab Larvae	Heather Eberhart	12th	Bellarmino Prep	Private