



## Honorable Mention Place Winner

### Fairfax County Regional Science and Engineering Fair

March 18, 2007

<b>Code</b>	<b>Project Title</b>	<b>Student</b>	<b>School</b>
09-A-1	The Effects of Sweeteners on Ant Reaction	Sarah Ray	Mount Vernon High School
09-A-3	The Effect of Music on the Heart Rate of Daphnia	Roiya Amin-Arsala	Lake Braddock Secondary School
TM-A-3	Effect of Types of Music on Mice Speed Thru a Maze	Ashley Jones, Sara Kirsch	South Lakes High School
TM-A-5	The Effect of Nitrate on Heartrate of Daphnia	Amy Kerr, Lacy Roling, Rosa Tahmassebi	Mount Vernon High School
10-B-1	Around the World in 80 Profiles	Amy Root	Centreville High School
09-C-1	Effect of Hair Color on Tensile Strength	Lauren Quast	Oakton High School
09-C-4	Hair Treatment and Exposure to Pool Water	Brooke Ream	Oakton High School
10-C-1	Efficiency of Natural Catalysts as Protease	Chelsea Bracci	South County Secondary School
TM-C-1	The Effect of Different Milk on Casein Production	Divya Bezwada, Christine de Kanter	South County Secondary School
TM-C-7	The Effect of Sunlight on the Mass of Dyed Hair	Gautam Gupta, Emily Seman	Hayfield Secondary
TM-D-1	Effect of Milk's Fat Content on Rate of Spoilage	Abhinav Davuluri, Christopher Nguyen	Fairfax High School
09-E-1	Electrolyte Current Variation	Takuma Koide	Langley High School
09-E-3	Effect of Corrosion on Tensile Strength of Wire	David Knapp	Oakton High School
09-E-4	The Fastest Fabric Flame	Saad Sakaji	Islamic Saudi Academy
09-E-9	The Effect of Hybrid Popcorn on How They Pop	Hannah Beamon	Hayfield Secondary
10-E-8	AHHH... the Diaper's Leaking	Karem Saund	Lee High School
10-E-9	C for Yourself	Dominic Nelson	Hayfield Secondary
TM-E-3	Link Between Pepper Acidity and Scoville Units	Rachel Hettler, Amanda Monahan	Oakton High School
TM-E-4	Water Contamination	Sara Assaf, Mariam Zaidan	Islamic Saudi Academy
TM-E-5	Heat Absorption Rate	Shabnam Dakwala, Valerie Rodriguez, Aaliya Shaikh	Lee High School
TM-E-10	The Effect of pH on Organic Decomposition	Pallavi Sirajuddin, Elizabeth Whaley	South Lakes High School
TM-E-12	Which Wood Type Produces the Most Heat	Jason Kim, Jiho Kim, Basheer Rehman	Woodson High School
TM-E-13	The Flammability of Air Freshener on Fabric	Jasmine Le, Maggie Sigle	South Lakes High School
TM-E-14	The Effect of Different Brands of Antacid	Adil Kadir, Dimitri Sakellarides	Lee High School
TM-E-15	The Effect of Heat on the Calories in Cereal	Katherine Broadway, Emily Shi	South County Secondary School
TM-E-18	The Effect of Alternate Ingredients in Playdough	Lauren Braman, Kasey Cerny	Hayfield Secondary



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TM-E-19	Enzyme Catalysis Study of Acetylcholinesterase	Juo-Ho Kim, Karthik Seetharam	Thomas Jefferson H S for Science and Technology
TM-E-25	Rock N Split	Alex Howe, Irene Howe	Falls Church High School
TM-F-1	XML Markup Language and Web Efficiency For Blind	Wade Norris, Patrick Shipe	Langley High School
TM-G-3	The Heat Capacity of Rocks and Minerals	Danny Otto, Patrick RoDee	Lake Braddock Secondary School
09-H-2	The Effect of Insulating Materials on Heat Loss	Evan Huffman	Hayfield Secondary
09-H-4	The Effect of Truss Heights on their Strength	Matthew McVicker	Lake Braddock Secondary School
10-H-2	Golf Club Shaft Material/Drive Distance	Thomas Davis	Lake Braddock Secondary School
11-H-2	pH and the Compressive Strength of Concrete	Drew Reese	West Potomac High School
11-H-3	Effect of Tiny Feather Motions on Air Turbulence	Caroline Boulanger	Chantilly High School
12-H-2	The Optimization of Metal Adhesion on HgCdTe	George Krivorotov	Thomas Jefferson H S for Science and Technology
TM-H-2	The Effect of Support Shape on Bridge Performance	Rebecca Hartley, Andrew Puckett, Ryan Smith	Centreville High School
TM-H-3	The Effect of Density on Sound Prevention	Kevin Do, Daniel Southard, Patrick Visbeck	South County Secondary School
TM-H-6	The Effect of Different Materials on Sandbags	Paul Budge, Daniel Garcia	Hayfield Secondary
TM-H-7	Open Sesame: A Study in Design of Locks	Benjamin Babineau, Amanda Bakovic	Lee High School
TM-H-8	Hurricane Survival of Residential Construction	Bradley Kaufman, Jason Knickmeyer, Nicholas Walsh	Lake Braddock Secondary School
09-I-6	Does Shape Effect Weight That Can Be Supported?	Kiefer Moore	Lee High School
10-I-1	Effect of Reduced Size Cupola Furnace on Fe Melt	Adam Irvine	West Springfield High School
10-I-3	Effect of Fin Angle on Rocket Altitude	Shawn Mittal	Chantilly High School
11-I-8	The Effect of Different Canard Shapes on Takeoff	Seth McCann	Langley High School
TM-I-4	The Effect of Hull Stability on Roll Period	Christopher Clark, Todd Yurkovic	South County Secondary School
TM-I-5	The Effect of a Bridge's Design on Its Strength	Saman Ehsan, Fareesa Hasan	Langley High School
09-J-1	The Effect of Different Shoe Treads on Friction	Laura Fiddler	Oakton High School
11-J-1	Airplane	Thomas Gray	Falls Church High School
09-K-3	The Power of Soil	Sagah Ahmed	Islamic Saudi Academy
10-K-4	Effect of Erosion Controls on Erosion Rate of Soil	James Priebe	South County Secondary School



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10-K-6	The Effect of Thermoclines on Water Qualities	Daniel Sonnenmark	Mount Vernon High School
10-K-7	The Effect of Lawn Fertilizer on Water Ecosystems	Veronica Elkins	McLean High School
10-K-9	The Effect of Farms on the Shenandoah River	Emily Smith	Woodson High School
11-K-2	The Effect of Soil Enrichment on Pollution Run-off	Ryan Deneault	Mount Vernon High School
TM-K-1	What Happens To Our Trash?	Ahmad Garada, Abduljabar Totonji	Islamic Saudi Academy
TM-K-2	The Effect of Precipitation on Lake Thoreau	Parker Benbow, Lindley Taylor	South Lakes High School
TM-K-8	Effect of Sediments on the Percolation of Water	Courtney Hoang, Hyejin Sul, Whitney Tso	Robinson Secondary
TM-K-9	Offsetting Acid Rain? A New Approach to Neutralize	Ahmed Aly, Muhammad Kandil	Islamic Saudi Academy
TM-K-12	Phytoremediation: A Cleaner Environment	Iram Shaikh, Zahra Younoszai	Lake Braddock Secondary School
TM-K-14	Effect of Paper Fiber on Durability & Environment	Alexandra Kosanko, Noelani Martin, Katherine Zajic	Lee High School
09-L-1	Effect of Sorbents Used to Clean Oil Spills	R. Max Post	Oakton High School
TM-N-1	Are You Protected From UV?	Wade Holmes, Hamza Rahimi, Nicholas Taillon	South County Secondary School
09-P-2	Predicting Resonant Frequency	Patrick Reed	Madison High School
09-P-3	The Effect of Velocity on Trajectory	Adin Katz	Madison High School
10-P-3	The Study of Projectile Motion and Energy	Chufan Zhai	Marshall High School
11-P-5	Effect of Disk Area on the Air Resistance	Courtney Sparrell	Oakton High School
11-P-6	The Effect of Distance on the Energy of an Ion Ray	Mark Siegel	South County Secondary School
11-P-7	Passive Materials on Temperature in a Solar Box	Ian Rabusseau	Mount Vernon High School
11-P-12	The Effect of Material on the Friction Coefficient	Marjan Darab	Falls Church High School
11-P-13	Static and Kinetic Friction	Andy Blacker	West Potomac High School
11-P-15	Energy Transformations Along Catenary Curves	Kaitlyn Sprague	Mount Vernon High School
11-P-16	The Effect of Density on an Object's Drag Forces	Nicole Sharer	Oakton High School
TM-P-1	The Effect of Temperature on Elasticity	Ashton Hubbard, Justin Loo, Arun Sapkota	South County Secondary School
TM-P-4	The Effect of Body Positions on Dancers' Turns	Allison Benson, Bethany Johnson	Westfield High School
TM-P-8	The Effect of Temperature on the Tone of a Violin	Shruti Kuppa, Kristin Kurtz	South Lakes High School



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TM-P-10	Some Like It Hot	Shih-Yun Chiu, Rachel Cohen	Marshall High School
TM-P-12	The Tribology of Wood on Wood Surfaces	Mathew Barkan, Jordan Pennock	South Lakes High School
TM-P-13	The Effect of Wood Width on the Amount of Sound	Matthew Karwel, Phillip Kleess	South County Secondary School
TM-P-15	Wire Wrap Number and Electromagnetic Strength	Jessica Levine, Elizabeth Stonehill	Marshall High School
TM-P-18	Resistor Strength and 9 volt Battery Life	Lance Cheng, Lisa Vo	Marshall High School
TM-P-19	The Effect of Temperature on Viscosity	Christina Botten, Kathleen Stevens	Westfield High School
TM-P-20	Radiation Levels Emitted From Ground Construction	Sabina Samipour-Pakdehi, Margaret Westenhoff	South Lakes High School
TM-P-22	The Most Energy Efficient Insulation Material	Arlene Chung, Trung Le	Annandale High School
TM-P-32	The Effect of Turns on Wind Speed	David Belyea, Karlos Morgan, Daniel Sexton	South County Secondary School
TM-P-33	Electromagnets and Today	Caroline Mills, Kara Westerfield	Falls Church High School
10-Q-3	The Effect of Nitrate on Mustard Seed Growth	Emily Moonan	Marshall High School
12-Q-1	Effect of Electrical Currents on Bean Germination	Mary Kichinko	South County Secondary School
TM-Q-1	The Effect of Magnetism on the Growth of Plants	Alishir Alim, Antonio Larios	Lee High School
TM-Q-10	The Effect of Sports Drinks on Tomato Plants	Phillip Le, John Ponton, Mahmoud Sarhan	Lee High School
TM-Q-11	The Effect of Different Colored Lights on Plants	Mario Posada, Hakam Zaghmout	Hayfield Secondary
TM-Q-14	The Effect of Nutrients on Bean Plants	Angela Rupinen, Emily Sonstroem	West Springfield High School