

03/11/2008

**SENIOR DIVISION CATEGORY WINNERS**

<b>WINNER</b>	<b>CATEGORY</b>	<b>Student Name</b>	<b>Other Team Members</b>	<b>SCHOOL</b>	<b>GRADE</b>	<b>TITLE</b>
1	Animal Sciences	Rebecca Wescott		Battlefield High	09	How Do Sleeping Pills Effect Daphnias Heart Rate
2	Animal Sciences	Luz Espinoza -reyes	Brenda Martinez, Perla Vitela	Freedom High	11	The Effect of Nicotine on the Heart Rate of Daphnia magna
3	Animal Sciences	Michelle Mahoney		Battlefield High	11	The Effect of Light Intensity and Allergen Levels on Freeway's Trigeminal- Mediated Headshaking
HM	Animal Sciences	Zach Swansbrough		Potomac High	09	The Effect of Music on Blood Pressure
1	Behavioral Science	Sarah Bui		Battlefield High	09	The Effect of Nasal Breathing and Forehead Cooling on the Incidence of Contagious Yawning
2	Behavioral Science	Sara Chehreh		Battlefield High	09	The Effect Of Sight, Hearing, and Touch On Learning A Number Sequence
3	Behavioral Science	Keith Hetrick	Connor Geiran	Seton School	12	Under Pressure: Pressures of Temperament
HM	Behavioral Science	Jessica Dunn	Mary Dobak, Katie Racine	Seton School	12	Does Color Affect the Perception of Taste
HM	Behavioral Science	Zavia Hammond		Potomac High	09	The Effect of Different People's Hand Gestures on Their Personality Type
1	Biochemistry	Gabriella Baldo		Seton School	12	The Effects of a Biotin-Rich Diet on Drosophila melanogaster
2	Biochemistry	Shin Jang		Battlefield High	10	The Effect of Different pH Levels on the Digestion of
3	Biochemistry	Jessica Jacobson		Battlefield High	11	The Effect of Epinephrine on the Oxygen Release of Tissue
HM	Biochemistry	Deneka Williams		Osborn High	11	Chemical Energy Stored in Different Types of Nuts
1	Chemistry	Katelyn Walters		Battlefield High	11	The Effect of Various Fruits on Ethanol Production and Efficiency
2	Chemistry	Amanda Desbiens	Rachel Santschi	Seton School	12	My Pants are on Fire: The Flammability of Fabric
3	Chemistry	Margaret Guckenberg		Battlefield High	10	The Effect of Coffee Brands on the Quantity of Caffeine
HM	Chemistry	Mary Fowler		Seton School	10	The Fastest Dissolving Solution
HM	Chemistry	Michael Kim		Osborn High	11	Sonic Crystal Growth

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1	Computer Science	Caroline Collins	Anne Misimann, Kathryn Scheetz	Seton School	12	Eye-dentification: Analysis of the External Characteristics of the Eye as a Form of Identification
2	Computer Science	David Winings		Stonewall Jackson	10	From C to Shining C
1	Engineering	Sydney Fisher		Freedom High	10	"It's Getting Hot In Here!"
2	Engineering	Riley Cooke		Stonewall Jackson	09	Run Robot Run
3	Engineering	Tylor Lang		Freedom High	10	The Real Inconvenience of Truth
HM	Engineering	Lisa Apted		Stonewall Jackson	09	The Effect of Damping on a Shock Absorber
HM	Engineering	Regan Lovelady		Stonewall Jackson	09	Pin-Hole Camera
HM	Engineering	David Dodge	Adishesh Narahari	Osborn High	10	The Chuckernaut
1	Earth Sciences	Brianna Duffy		Stonewall Jackson	09	Air Tides: Moon Phases vs. Barometric Pressure
2	Earth Sciences	Brett Plaughter		Stonewall Jackson	09	How Does the Angle of the Sun Affect the Temperature of Water
3	Earth Sciences	Lauren Panell		Battlefield High	09	The Effect of the Type of Soil on Moisture Retention
1	Environmental Sciences	Jagmeet Warraich		Battlefield High	12	The Effect of Acid Concentration on the Buffering Capacity of Different Soil Samples
2	Environmental Sciences	Yvonne Cramer		Osborn High	11	Effects of pH on Rock Erosion
3	Environmental Sciences	Katelyn Power		Battlefield High	11	The Effect of Pesticides on the Oxidation of Sea Shells
HM	Environmental Sciences	Rishi Saxena		Stonewall Jackson	09	Amount of Burned Area on Wood with Different Paints
HM	Environmental Sciences	Margaret O'Neill		Potomac High	12	The Effect of the Human Population on Water Quality
1	Mathematics	Soraya Simon	Fiana Aguirre	Battlefield High	12	The Effect of Blood Substitutes on the Reliability of Trigonometric Analysis of Blood Spatter
2	Mathematics	Renee Roccato	Scott Jemielity, Ginny Zimmerman	Seton School	12	Phi in Your Face: An Examination of the Relationship Between Phi and Maturing Human Faces
3	Mathematics	Rachel Lambrecht		Seton School	09	The Birthday Paradox

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HM	Mathematics	Grant Bodner		Battlefield High	09	The Effect of Pascal's Triangle on a Coin Toss
1	Medicine & Health	Amanda Mazzu		Battlefield High	11	The Effect of Orlistat Dosage on Amount of Triacylglyceride Hydrolyzed
2	Medicine & Health	Josh Turner	Kayla, Turner	Potomac High	12	Clean or Contaminated?
3	Medicine & Health	Peter Mooney		Seton School	10	Judging From Your Reaction
HM	Medicine & Health	Gloribel Bonilla	Angela Franco, Edwin Addo Dankwa	Potomac High	12	The Effect of MRSA on the Public
1	Microbiology	Bella Martinez	Gardner Villagomez	Freedom High	11	Does Progressive exposure to Tetracycline Produce e. Coli
2	Microbiology	Alexis Wissinger		Stonewall Jackson	09	Germaphobia
3	Microbiology	Kristina Baehr		Stonewall Jackson	09	Does Bacteria Become Resistant to Cleaning Product?
HM	Microbiology	Jerome Tolson		Stonewall Jackson	09	Damaging Hair Cells
1	Physics and Astronomy	Kevin Coffey		Stonewall Jackson	10	In the Heat of the Light
2	Physics and Astronomy	Daniel Harriman	Gary Ford	Osborn High	11	The Effect of Winglet Design on the Lift and Dispersal of Wing Vortices of Wings
3	Physics and Astronomy	James Mitchell		Osborn High	11	Water Glass Pitches
HM	Physics and Astronomy	Paul Duda		Seton School	12	I'm Seeing Stars... And Circles? The Relationship between Star Trails and One's Location on Earth
HM	Physics and Astronomy	Blaise DuFrain	Megan Hoffer	Seton School	12	Particle Pawprints: Building a Home-made Bubble Chamber
HM	Physics and Astronomy	Rima Januszewicz		Potomac High	11	The Effect of Complimentary Angles on Range
1	Plant Sciences	Rachel Brigham		Battlefield High	11	The Inquisition of Enigmatic Sphaerobolus
2	Plant Sciences	Abigail Quinan		Seton School	10	Blue is My Favorite Color
3	Plant Sciences	Catherine Nakor-Tetteh		Potomac High	10	The Effect of Different Amount of Cigarette Smoke on Plant Growth

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HM	Plant Sciences	Laura Talbot		Seton School	10	Does the Amount of Carbon Dioxide Change the Growth of Lima Bean Plants
HM	Plant Sciences	William Gauldin		Stonewall Jackson	12	The Effects of Radiation on the Germination Process in Radish Seeds
HM	Plant Sciences	Shadi Sabbagh		Potomac High	09	The Effect of Different Types of Water on Plants