

2010 Prince George's Area Science Fair

Grand Awards

Senior Division

1 st	Mark Ragland	Engineering: Electrical and Mechanical	Simulating Ocean Water for Video Laser Comm.	St. Mary's Ryken High School	St. Mary's County
2 nd	Demi McCoy	Mathematical Sciences	Batter Up		Prince George's County
3 rd	Calvin Davies	Environmental Management	Mill Creek Oyster Project	Patuxent High School	Calvert County

Junior Division

1 st	Nirvana Lutchman	Behavioral and Social Sciences	How Does Age Affect Fear	Dwight D. Eisenhower	Prince George's County
1 st	Andrew Herbig	Computer Science	A Good Excuse to Use the Computer	Spring Ridge Middle School	St Mary's County
2 nd	Mary Williams	Animal Sciences	To "B" or not to "B"	St. John's School	St Mary's County
3 rd	Connor Alsheimer	Physics and Astronomy	Breaking News About Holograms	Spring Ridge Middle School	St Mary's County

Senior Team

Claire Weber Danielle Wilkin	Behavioral and Social Sciences	Dream Scheme	Great Mills High School	St. Mary's County
---------------------------------	-----------------------------------	--------------	----------------------------	----------------------

Senior Division Category Awards

Animal Sciences

1 st	Terrence Price	Growing, Growing, Gone!	Eleanor Roosevelt High School	Prince George's County
2 nd	Sue Boo	Comparison of Song Sparrows	Eleanor Roosevelt High School	Prince George's County

Behavioral and Social Sciences

1 st	Anthony Harrison	Victual's Upshot on Transitory Cognizance	Oxon Hill High School	Prince George's County
1 st Team	Claire Weber Danielle Wilkin	Dream Scheme	Great Mills High School	St. Mary's County
2 nd	Veronica Henry	Perceived Gaze Direction & Emotion	Eleanor Roosevelt High School	Prince George's County
3 rd	Jesica Moreland	Teenagers and Social Networks	Northwestern High School	Calvert County
HM	Raaheela Ahmed	The Name Game	Eleanor Roosevelt High School	Prince George's County

Biochemistry

1 st	Mallika Jai	Namebrand v. Storebrand Shampoos	Eleanor Roosevelt High School	Prince George's County
2 nd	Clifford Doby	Out With the Bad Air	Eleanor Roosevelt High School	Prince George's County
HM	Nathan Luke	DNA Separation	St. Mary's Ryken High School	St. Mary's County

Cellular and Molecular Biology

1 st	Melanie Dennis	Evolution of small HSPs in <i>F. vesca</i>	Eleanor Roosevelt High School	Prince George's County
2 nd	Lauren Highsmith	Needs More Salt	Oxon Hill High School	Prince George's County
3 rd	Ligaya Narbay	Stem Cell Healing	Oxon Hill High School	Prince George's County
HM	Sapna Gopalasubramanian	RNAi Analysis of SART1 in Caner Cells	Eleanor Roosevelt High School	Prince George's County
HM	Kelvin Jens Moncera	The Tumorigenicity of MDCK Cells	Oxon Hill High School	Prince George's County

Chemistry

1 st	Stephanie Rodrigues	The Antioxidant Power of Curry Leaves	Eleanor Roosevelt High School	Prince George's County
2 nd	Malarie O'Brien	Who's More Excited	Great Mills High School	St. Mary's County
2 rd	Natalie Steenrod	Global Warming - Close to Home	Eleanor Roosevelt High School	Prince George's County
3 rd	Robyn Harper	Spring Cleaning	Oxon Hill High School	Prince George's County
HM	Ronald Velez	Does High or Low pH Level Cause the Most Iron Loss	Suitland High School	Prince George's County
HM	Katrina Cortez	Speed It Up	Oxon Hill High School	Prince George's County
HM	Gabrielle Robinson	Water Purification	Eleanor Roosevelt High School	Prince George's County

Computer Science

1 st	Caitlin Cummings	"Life" Beyond the Second Dimension	Eleanor Roosevelt High School	Prince George's County
2 nd	Chitra Gadwal	Digital Classroom	Charles Herbert Flowers High School	Prince George's County
2 rd	Angelisa Plane	Data Mining of Traffic	Eleanor Roosevelt High School	Prince George's County
3 rd	Alexis Robinson	Keeping in Control	Charles Herbert Flowers High School	Prince George's County
HM	Samantha Martinez	The Fast and the Furious	Eleanor Roosevelt High School	Prince George's County

Earth & Planetary Science

1 st	Rebecca Webster	Disappearing Act	Eleanor Roosevelt High School	Prince George's County
2 nd	Danielle Thompson	Scientific vs. Conventional Weather	Eleanor Roosevelt High School	Prince George's County

Energy and Transportation

1 st	Jeremy Dehn	What Are Winglets?	Great Mills High School	St. Mary's County
2 nd	Alexander Kracinovich	Drag Caused by Wires on Biplanes	Leonardtown High School	St. Mary's County
HM	Brittney Ascencio	buying time to save your life	Eleanor Roosevelt High School	Prince George's County

Engineering: Electrical and Mechanical

1 st	Mark Ragland	Simulating Ocean Water for Video Laser Comm.	St. Mary's Ryken High School	St. Mary's County
1 st	Benjamin Shaibu	Incandescent Lamp Lifetimes	Eleanor Roosevelt High School	Prince George's County
2 nd	Varun Murthy	Modeling the frequency Drift of Quartz Core OCXO	Eleanor Roosevelt High School	Prince George's County
2 nd	Megan Triplett	Asteroid Mining: Payload Launcher	Great Mills High School	St. Mary's County
3 rd	Alex Klapka	Tennis Enhancements: Hype or Substance Part 2	Great Mills High School	St. Mary's County
HM	Daniel Bolton	Sound to Electricity Generator II	Great Mills High School	St. Mary's County

Engineering: Materials and Bioengineering

1 st	Sadia Naseem	Fantastic Elastics!	Eleanor Roosevelt High School	Prince George's County
2 nd	Courtney Like-Mathews	Let It Burn!	Eleanor Roosevelt High School	Prince George's County
3 rd Team	Jasmine Crooks Nickolas Ewing	Winded	Eleanor Roosevelt High School	Prince George's County

Environmental Analysis

1 st	Christian Burton	Levels of Pollution in the Chesapeake Bay	Leonardtwn High School	St. Mary's County
Team 1 st	Katie Chan & Alexa Cohen	Triclosan Exposed	Great Mills High School	St. Mary's County
2 nd	Shefali Shah	An Inconvenient Algal Truth	Great Mills High School	St. Mary's County
3 rd	P. Andrew Chiang-Smith	Testing the Effectiveness of Different Materials on Water Filtration	Bowie	Prince George's County
HM	Jessica Mattia	Acids and Snails		Prince George's County

Environmental Management

1 st	Calvin Davies	Mill Creek Oyster Project	Patuxent High School	Calvert County
2 nd	Bridget Cornett	Can you stop fire with floorplans?	Eleanor Roosevelt High School	Prince George's County
3 rd	Aisha Parihar	Farming Systems & CPOM-C/N Concentrations	Eleanor Roosevelt High School	Prince George's County
HM	Alison Treglia	Comparing Run-Off of Different Fertilizers	Great Mills High School	St. Mary's County

Mathematical Sciences

1 st	Demi McCoy	Batter Up		Prince George's County
2 nd	Sheiya Murthy	Recipe for Monte Carlo Pi	Eleanor Roosevelt High School	Prince George's County
3 rd	Jacobs Matthew	Can Statistics Predict A Winner?	Eleanor Roosevelt High School	Prince George's County
HM	Roderick Lucas	Can a Mixed Strategy Improve RPS Results?	Eleanor Roosevelt High School	Prince George's County

Medicine and Health

1 st	Kelles Gordge	Take a Deep Breath!	Great Mills High School	St. Mary's County
2 nd	Ankur Naik	Peripheral Color	Eleanor Roosevelt High School	Prince George's County
3 rd	Niambi Brewer	Benefits of Cessation	Charles Herbert Flowers High School	Prince George's County

Microbiology

1 st	Alexis Oguh	Genetic Variation Among Rust Fungi on Switchgrass	Eleanor Roosevelt High School	Prince George's County
2 nd	Malin Lindvall	Recovery of B. thuringiensis Strains	Eleanor Roosevelt High School	Prince George's County
3 rd	Sean Page	Bacteria Surge	Charles Herbert Flowers High School	Prince George's County
HM	William Lawson	Don't Sweat It	Great Mills High School	St. Mary's County

Physics and Astronomy

1 st	Mariko Sakemi	Geometric Dome Frequency vs. Strength	Great Mills High School	St. Mary's County
2 nd	Tyler Grover	Is Wireless Electricity in Our Future?	Calvert High School	Calvert County
3 rd	Katherine Coppess	Comparison Stellar Color Distribution Globular/Open Star Clusters	Eleanor Roosevelt High School	Prince George's County
3 rd	Norman Dickerson	Does a Knot Effect a Rope's Strength?	Eleanor Roosevelt High School	Prince George's County

Plant Sciences

1 st	Haneen Daham	Defend Till The End	Charles Herbert Flowers High School	Prince George's County
2 nd	Fayola Fears	Solanum Root Morphology and [N]	Eleanor Roosevelt High School	Prince George's County
3 rd	Cliff-Lawrence Ibeh	The Effects of Endophytes in the Tomato Xylem	Eleanor Roosevelt High School	Prince George's County
HM	Tyler Gatton	Hydroponics Irrigation Sources	Great Mills High School	St. Mary's County
HM	Caroline Wilson	Genetic Markers on the Genomic Map of Blueberry	Eleanor Roosevelt High School	Prince George's County
HM	Laci Taylor	Let's Get to the Root of it	Charles Herbert Flowers High School	Prince George's County

Junior Division Category Awards

Animal Sciences

1 st	Mary Williams	To "B" or not to "B"	St. John's School	St Mary's County
2 nd	Tristan Ritchey	Does Dirunal Variation Effect Egg ProduCourtion	Mother Catherine Spalding School	St Mary's County

Behavioral and Social Sciences

1 st	Nirvana Lutchman	How Does Age Affect Fear	Dwight D. Eisenhower	Prince George's County
2 nd	Rose Young	Handwriting Characteristics - Feminine or Masculine?	Spring Ridge Middle School	St Mary's County
3 rd	Christina Stancil	Cone Cell Fatigue		Prince George's County
HM	Treshawn Parker	The Nose Knows Smell but How About Taste	Dwight D. Eisenhower	Prince George's County

Biochemistry ?

Cellular and Molecular Biology

1 st	Erick Martinez	Extracting DNA	Oxon Hill Middle School	Prince George's County
-----------------	----------------	----------------	-------------------------	------------------------

Chemistry

1 st	Matthew Johnson	Oil Viscosity: Does it Matter?	Father Andrew White	St. Mary's County
2 nd	Sherymien Qureshi	Color Fusion	Martin Luther King, Jr. Middle School	Prince George's County
3 rd	Amanda Spyrapoulos	Eat Your Vegetables	Northern Middle School	Calvert County
HM	Tatiana Gordon	To Rust or Not Rust	Ernest E. Just Middle School	St. Mary's County
HM	Juan Melendez Jr.	Color Sprint	Kenmoor Middle School	Prince George's County
HM	Anthony Turner	Hot vs. Cold	Stephen Decatur Middle School	Prince George's County

Computer Science

1 st	Andrew Herbig	A Good Excuse to Use the Computer	Spring Ridge Middle School	St Mary's County
2 nd	Jackie Smedley	Sound Squeeze	St. John's School	St Mary's County
3 rd	Alexander T. Yu	Photo-Shrinkesis	Kenmoor Middle School	Prince George's County

Earth & Planetary Science

1 st	Benja Reilly	Glacier's Rock!	Benjamin Tasker	Prince George's County
2 nd	Eudora Tak	Weather's For The Birds		Prince George's County
3 rd	Roger Mieras	Windy Weather	Greenbelt Middle School	Prince George's County

Energy and Transportation

1 st	Everett Richmond	Sub Zero	John Hanson Montessori School	Prince George's County
HM	Michael Birckhead	Saving Gas	Samuel Olge Middle School	Prince George's County
HM	Derrell Young	Color Visibility	Samuel Olge Middle School	Prince George's County

Engineering: Electrical and Mechanical

1 st	Nicholas Tobler	Vampire Drain	Spring Ridge Middle School	St Mary's County
2 nd	Alexander Plansky	How to Increase the efficiency of water Electrolysis	St. Mary's of Piscataway	Prince George's County
3 rd	Harrison Hope	Solar Enhancer	Spring Ridge Middle School	St Mary's County
HM	Daniel Bernal Fuentes	Angle and Distance in a Solar Cell Experiment	Hyattsville Middle School	Prince George's County
HM	Taveius Graves	"Fruit"-The Battery of Nature		Prince George's County
HM	Michaela Johnson	The Missing Link	St. Mary's of Piscataway	Prince George's County

Engineering: Materials and Bioengineering

1 st	Kelly McGowan	I Crushed It! The Great Cement Event	Spring Ridge Middle School	St Mary's County
2 nd	Sumaiyah Liggans	The Stronger Brick	Thomas Johnson Middle School	Prince George's County
3 rd	Emily Clark	Soundproofin	Spring Ridge Middle School	St Mary's County

Environmental Analysis

1 st	Sky Weiss	Does Ultraviolet Light Purify Water as well as Bleach?	St. Mary's of Piscataway	Prince George's County
2 nd	Benjamin Anderson	Preventing the Squish	Spring Ridge Middle School	St Mary's County
3 rd	Parker Krueger	Nitrate vs. Phosphate in the Anacostia Watershed	Hyattsville Middle School	Prince George's County
HM	Bryce Carrington	The Investigation of SODIS	James Madison Middle School	Prince George's County
HM	Lauren Glisson	How Does Soil Affect the pH of Water?	St Phillip The Apostle School	Prince George's County
HM	Samantha Long	Polluted Waters	St. John's School	St Mary's County

Environmental Management

1 st	Ryan Schiele	Keep It Cool Earth: Those Gases Are Getting Hot		Calvert County
2 nd	Hailey Dodges	Build a Better Levee 2	Spring Ridge Middle School	St Mary's County
3 rd	Obinna Victor	Global Warming Solution	Walker Mill Middle School	Prince George's County
HM	Katie Jahn	Water, Water, Everywhere... Any to Drink?	Spring Ridge Middle School	St Mary's County

Mathematical Sciences

1 st	Nicholas Wilson	What Are The Odds?	Father Andrew White School	St Mary's County
2 nd	Patrick Offenbacher	Apple Medley: How Random is an iPod?	Spring Ridge Middle School	St Mary's County
3 rd	Carl Zumstein	MSA Challenge: Can Schools Make A Difference?	Northern Middle School	Calvert County
HM	Fionna Dayao	By Golly By Gum	Thurgood Marshall Middle School	Prince George's County
HM	Vernon Dallas	Basketball vs. Soccer = Height	James Madison Middle School	Prince George's County

Medicine and Health

1 st	Quinn Alsheimer	What's Your Eye-Q!	Spring Ridge Middle School	St Mary's County
2 nd	Brittany Eshun	Don't Go Chasing Decay	G. James Gholson Middle	Prince George's County
3 rd	Cassie Oliver	Got Oxygen?	St. John's School	St Mary's County

Microbiology

1 st	Messiah Nelson	Got Milk	James Madison Middle School	Prince George's County
2 nd	Jasmine Hayes	Gluten Glob	James Madison Middle School	Prince George's County
3 rd	Tyler Wyatt	THE EFFECT OF PROBIOTIC BACTERIA ON FOOD-BORN PATHOGENS	John Hanson French Immersion Middle School	Prince George's County

Physics and Astronomy

1 st	Connor Alsheimer	Breaking News About Holograms	Spring Ridge Middle School	St Mary's County
2 nd	Shamus Gridley	The Sound of Speed: Acoustical Detection of Hummingbird Feeding Patterns	Plum Point Middle School	Calvert County
3 rd	Jonathan Plane	Proportional Slowing with Parachute Growing	Kenmoor Middle School	Prince George's County
HM	Jake Dodges	Vexing Velocity VeCourtors	Spring Ridge Middle School	St Mary's County
HM	Rupali Shah	String 'N Swing	Spring Ridge Middle School	St Mary's County
HM	Ryan Frankle	One Cool Roof	Northern Middle School	Calvert County

Plant Sciences

1 st	Isabelle Lopez	Earth's Own Fertilizer	Father Andrew White	St Mary's County
2 nd	Clarissa Corey-Bey	Growin' Grass	Kenmoor Middle School	Prince George's County
3 rd	Collin Townsend-Nowlin	To Grow or Not to Grow? That's the question.		Prince George's County
HM	Charlyne Cole	The Effect of Added Carbon Dioxide From Baking Soda On The Rate of Photosynthesis	Nicholas Orem Middle School	Prince George's County
HM	Mina Fahmi	Plants Inner Polarity	St. John's School	St Mary's County
HM	Alan Pracht	How Acid Rain Effects Plant Growth	St Phillip The Apostle School	Prince George's County