

PRINCE GEORGE'S AREA SCIENCE FAIR

March 28, 2004

		Senior		PGCC Scholarship	
S-1403	Catherine	Butterworth		Analysis of Zebrafish RhoGEF Genes	Eleanor Roosevelt HS
		Senior		UMCP Scholarship	
S-0804	Sarah	Brownlee		The Role of Phosphorus in Controlling	Calvert HS
S-1203	Maria	Churaman		Defense Mechanisms of E. Coli	Eleanor Roosevelt HS
		Senior		UMBC Scholarship	
S-0203	Cindy	Tran		Antioxidants in Lingonberries	Eleanor Roosevelt HS
S-1409	Tejas	Suresh		Effect of C. Suttisuga on Whiteflies	Eleanor Roosevelt HS
		Junior		Grand Award	
1	J-1401	Morgan	Miller	Tell Tale Footprints	Father Andrew White MS
2	J-1304	Joshua	Queen	Up, Up, and Away	St. Mary's School Piscataway MS
		Senior		Grand Award	
1	S-0804	Sarah	Brownlee	The Role of Phosphorus in Controlling	Calvert HS
2	S-1001	Anthony	DeGennaro	Shifts & Transformations: Mandelbrot Set	Bishop McNamara HS
		Junior		Team Award	
		Senior		Team Award	
1	S-0841A	Eletha	Flores	Death by Gas Attack	Charles H. Flowers HS
1	S-0841B	Justin	Racadio	Death by Gas Attack	Charles H. Flowers HS
2	S-0741A	Jaya	Davis	Harmony Hightops	From the Heart HS
2	S-0741B	Nicole	Havis	Harmony Hightops	From the Heart HS
2	S-0741C	Bryan	Jackson	Harmony Hightops	From the Heart HS
3	S-0743A	Monique	Etheredge	Seatbelt Airbag	From the Heart HS

3	S-0743B	Alicia	Johnson	Seatbelt Airbag	From the Heart HS
3	S-0743C	William	Robinson, IV	Seatbelt Airbag	From the Heart HS
3	S-1240A	Lensay	Abadula	Characterization of Suttsuga and Mutant	Eleanor Roosevelt HS
3	S-1240B	Aleena	Hassan	Characterization of Suttsuga and Mutant	Eleanor Roosevelt HS
H	S-0540A	Alisa	Howard	Multitasking DOS/In-Signal Processing	From the Heart HS
H	S-0540B	Darren	Lamison-White	Multitasking DOS/In-Signal Processing	From the Heart HS
H	S-0540C	Natasha	Lewis	Multitasking DOS/In-Signal Processing	From the Heart HS
		Junior		Howard B. Owens	
	J-1311	Sarah	Boluda	Magnets and Temperature	St. PiusX Regional MS
		Senior		Howard B. Owens	
	S-0411	Brandon	Solano	Dyeing Easter Eggs	Gwynn Park HS
		Senior		Ota	
	S-0714	Jonathan	Steiner	The Effects of Dimpling on an Airfoil	Eleanor Roosevelt HS
		Junior		Best Presentation	
	J-0102	Asha	Fields	Video Bug	Thomas Pullen MS
	J-0203	Claire	Flintoff	Sugar, Sugar, Sugar: Where's the Energy?	Robert Goddard MS
	J-0313	Emmanuel	Livingston	Caffeine and Plant Growth	Oxon Hill MS
	J-0415	Justin	Mays	Acids or Bases	Stephen Decatur MS
	J-0504	Sean	Harder	Classifying Cellular Automata	Hyattsville MS
	J-0605	Courtney	Elliton	Acid Rain: Air Temperature's Effect	Plum Point MS
	J-0720	Stephen	Watkins	The Trebuchet Trials	St. PiusX Regional MS
	J-0805	Armand	Hodge	Does It Rot?	James Madison MS
	J-1001	Sarah	Brown	Lucky Seven	Kettering MS
	J-1104	Natalie	Sievers	Antacid Challenge	Kettering MS
	J-1208	Sharita	Persaud	Nothing to Sneeze At	Kenmoor MS
	J-1326	Angel	Plane	Do, Re, Me Nees 1, 2 or 3	Thomas Pullen MS
		Senior		Best Presentation	
	S-0108	Kandice	Brock-Smith	Which Gender Has a Better Memory?	Surrattsville HS

	S-0202	Briana	Strachan	Vitamin C Levels in Oranges	Bowie HS
	S-0340A	Nakita	Dolet	Stronger, Better Garlic	Parkdale HS
	S-0340B	Jessie	Manuel	Stronger, Better Garlic	Parkdale HS
	S-0413	Terry	Wallace	Paramagnetic Experiment	Gwynn Park HS
	S-0502	Daniel	Page	A Picture is Worth 2 Thousand Numbers	Leonardtown HS
	S-0603	Adric	Shearn	Effects of Soil Liquefaction...	Oxon Hill HS
	S-0709	Naresh	Kosgi	Rocket Thrust	Laurel HS
	S-0808	Damitra	Jackson	Bioassays	Oxon Hill HS
	S-1101	Iyen	Acosta	Bioluminescence: Revolutionizing	Oxon Hill HS
	S-1207	Victoria	Key	Funky Fungus	Jericho Christian Academy HS
	S-1309	Ernesto	Henderson	Magnetic Levitation	Central HS
	S-1403	Catherine	Butterworth	Analysis of Zebrafish RhoGEF Genes	Eleanor Roosevelt HS
		Junior		Behavioral and Social Sciences	
1	J-0103	Jessica	Jones	Colorful Feelings	St. Bernard's MS
2	J-0102	Asha	Fields	Video Bug	Thomas Pullen MS
3	J-0101	Jessica	Cherry	Do You Have the Brain Power?	St. Bernard's School MS
		Junior		Biochemistry	
1	J-0205	Tanner	Kellogg	What's Eating You? Acids in Drinks!	Esperanza MS
2	J-0203	Claire	Flintoff	Sugar, Sugar, Sugar: Where's the Energy?	Robert Goddard MS
3	J-0206	Stephanie	Mpamaugo	Soda-Saccharides	St. Columbia MS
HM	J-0204	Robbie	Hartwell	Vitamin C Analysis by Titration	St. Philip the Apostle MS
P	J-0201	Tiara	Burless-Harmon	Apple Solution	Benjamin Stoddert MS
P	J-0202	Eric	Fields	Plant Food for Thought	Ernest Everett Just MS
		Junior		Botany	
1	J-0316	Jaime	Valentine	Cigarette Smoke and Plant Growth	St. Ignatius Catholic MS
2	J-0317	Julie	Walker	StumpPed	Father Andrew White MS
3	J-0311	Angelique	Jones	Soil: Is the Grass Greener?	Jericho Christian Academy MS
HM	J-0303	Contee	Cameron	Does Temperature Affect the Uptake of Water	Ernest Everett Just MS
HM	J-0308	Madeline	Guay	Don't Put too Much Salt on Your Sprouts	Hyattsville MS
HM	J-0313	Emmanuel	Livingston	Caffeine and Plant Growth	Oxon Hill MS
HM	J-0318	Demetrius	White	Seasons Have Reasons in Leaves	James Madison MS
HM	J-0320	Joshua	Hicks	Roses, Red or Dead?	Andrew Jackson
P	J-0301	Jesse	Gallahan	Hydroponics vs. Soil	St. Mary's School Piscataway MS
P	J-0304	Brionna	Catrow	Light Source vs. Plant Growth	Stephen Decatur MS

P	J-0306	Carlyn	Gabor	The Power of Music in Plants	Oxon Hill MS
P	J-0307	Sydney	Gaskins	Microwaves and Seed Germination	St. Philip the Apostle MS
P	J-0310	Alonzo	Humphries	The Color of an Apple vs. its Seeds	Kettering MS
P	J-0312	Kathleen	Kenny	Sweet-n-Sour Flowers	St. PiusX Regional MS
P	J-0315	Jasmine	Slaughter	To Radiate or Not to Radiate	Stephen Decatur MS
P	J-0319	Joseph	Hanlon	Inside Rainbows Plants Grow Well	Saint Jerome MS
		Junior		Chemistry	
1	J-0404	Lynell	Clendenen	Strength vs. Absorbency	Gwynn Park MS
1	J-0412	Jessica	Marbourg	To Rush or Not to Rust	Hyattsville MS
2	J-0413	Monique	Matibag	Icy Meltdown	Gwynn Park MS
2	J-0426	Chad	Whisman	Drop on Top	Gwynn Park MS
2	J-0432	Sarah	Yun	Melt! Melt! Melt!	Kenmoor MS
3	J-0401	Kush	Abadey	What Happens When Liquids are Distilled?	Thomas Pullen MS
3	J-0409	Kurosh	Jafari	Eggs or Egg Replacer	Thomas Pullen MS
3	J-0416	Candice	Peart	Changed	Oxon Hill MS
3	J-0428	Renee	Williams	Which Metal is Most Rust-Resistant?	Jericho Christian Academy MS
HM	J-0407	Tinika	Edwards	Goin' Bananas	Kettering MS
HM	J-0415	Justin	Mays	Acids or Bases	Stephen Decatur MS
HM	J-0417	Emanuel	Petricoin, IV	The Paintball Problem	Northern MS
HM	J-0420	Cierra	Sims	Yeast and Molasses Bubble Up Gases	Oxon Hill MS
HM	J-0423	Dionna	Stone	The Unbelievable Glycerin Bubble	Eugene Burroughs MS
HM	J-0425	Dexter	Ware	The Best Ice-Melting Agent	Ernest Everett Just MS
HM	J-0431	Patrick	Young	CO2 - High or Low?	Robert Goddard MS
HM	J-0433	Alyce	Brown	Egg Enzymes	Andrew Jackson
P	J-0403	Arthur	Brown	Butter vs. Margarine	Thurgood Marshall MS
P	J-0405	Hilary	Covington	Yeast Air Balloons	Benjamin Stoddert MS
P	J-0406	Chaneeka	Dessesow	Cleaners vs. Soaps for Oily Surfaces	Concordia Lutheran School MS
P	J-0410	Jasmine	Kelly	It's a Gas!	James Madison MS
P	J-0418	Danielle	Royal	Vitamin C Catastrophe	Ernest Everett Just MS
P	J-0422	Maya	Smith	Vitamin C	Thurgood Marshall MS
P	J-0424	Lleah	Sturdivant	Which Toothpaste Cleans Coffee Stains Best?	Oxon Hill MS
P	J-0427	Gabrielle	Williams	Apples, Apples, Apples!	Oxon Hill MS
P	J-0429	Sean	Wilt	To Clean or Not to Clean	Father Andrew White MS
P	J-0430	Marcus	Wright	Hot Ball vs. Cold Ball	Thurgood Marshall MS
		Junior		Computer Science	
1	J-0504	Sean	Harder	Classifying Cellular Automata	Hyattsville MS

2	J-0501	Wesley	Miller	Non-Integer Coastline Dimensions	Robert Goddard MS
3	J-0505	Kyman	Rilee	Mazes the Finish's Around the Corner	Kenmoor MS
P	J-0503	Emerson	French	Can Spam Be Canned	Hyattsville MS
		Junior		Earth and Space Science	
1	J-0604	Brandyn	Phillips	Formation of Stalactites & Stalagmites	St. Philip the Apostle MS
2	J-0605	Courtney	Elliton	Acid Rain: Air Temperature's Effect	Plum Point MS
3	J-0602	Joshua	Gloster	Moon's Breath	Mill Creek MS
HM	J-0601	Tochi	Dike	Who Knew Sugar Could Grow?	Kettering MS
		Junior		Engineering	
1	J-0717	Andrew	Quadrini	Breaking Wind! Taming the Breeze!	Our Lady Star of the Sea MS
2	J-0705	Rachel	Fasone	Blowing in the Wind	St. PiusX Regional MS
2	J-0708	Sophia	Lee	Nail vs. Screw	Gwynn Park MS
3	J-0702	Kenrick	Rilee	Radio Antennas	Kenmoor MS
3	J-0710	Colleen	McFadden	Less Can Be More	St. Columbia MS
3	J-0720	Stephen	Watkins	The Trebuchet Trials	St. PiusX Regional MS
3	J-0722	Jacob	Schmidt	Water Wash Over	Little Flower MS
HM	J-0703	Evan	Crawford	Blast Off	Ernest Everett Just MS
HM	J-0706	Jamaal	Floyd-Roach	Test the Stress	Thomas Pullen MS
HM	J-0709	Maria	Manalac	Hot in Here	Gwynn Park MS
P	J-0701	Philip	Damron	Up, Up, and Away	Concordia Lutheran School MS
P	J-0704	Paul	Dela Cruz	The Perfect Flight	Oxon Hill MS
P	J-0711	Michele	McFadden	Tower Power	St. Columbia MS
P	J-0712	Aria	Miles	The Thicks and Thins of Electrical Circuits	Ernest Everett Just MS
P	J-0713	Joseph	Olley	Tremors	Thurgood Marshall MS
P	J-0715	Adam	Penny	What Kind of Bridge Holds the Most Weight?	Stephen Decatur MS
P	J-0716	Anthony	Ponafala	Crushing Columns	Thurgood Marshall MS
P	J-0718	Aaron	Riley	What to Wear in the Cold	Oxon Hill MS
P	J-0719	Brian	Steen	All Mixed Up	Concordia Lutheran MS
P	J-0721	Kandace	Younger	How Sticky is Glue?	Thurgood Marshall MS
		Junior		Environmental Sciences	
1	J-0802	Gi-ann	Acosta	Ozone's Role in Fruits' Shelf Life	Gwynn Park MS
2	J-0807	Harolyn	Phillips	Bioremediation To Solve Toxic Spills	St. Philip the Apostle MS
3	J-0805	Armand	Hodge	Does It Rot?	James Madison MS
HM	J-0808	Victor	Richeson	Seed Germination	Isaac Gourdine MS

P	J-0801	Jessica	Collins	Rainfall and the Environment	Grace Brethren Christian MS
P	J-0804	Catherine	Hardwick	How Healthy is Your Water?	Hyattsville MS
P	J-0806	Reginald	Pauling	Tap Water vs. Bottled Water	Buck Lodge MS
P	J-0809	Jasmine	Shelton	Static Electricity	Ernest Everett Just MS
		Junior		Gerontology	
		Junior		Mathematics	
1	J-1003	John	Gregg	Questioning the Information Theory	St. John's MS
2	J-1001	Sarah	Brown	Lucky Seven	Kettering MS
HM	J-1002	Angelo	Carter	Heads to Tails Ratio	Gwynn Park MS
		Junior		Medicine and Health	
1	J-1104	Natalie	Sievers	Antacid Challenge	Kettering MS
2	J-1102	Sharon	Miles	Heavy Metal in the Cereal Bowl?	Benjamin Stoddert MS
3	J-1101	Vanessa	Fogle	Fruit Juice and Vitamin C	Ernest Everett Just MS
HM	J-1105	Kiara	Sizemore	Sparkle	Kettering MS
		Junior		Microbiology	
1	J-1207	Joshua	McPherson	Yeast Feast	Ernest Everett Just MS
2	J-1208	Sharita	Persaud	Nothing to Sneeze At	Kenmoor MS
3	J-1204	Jasmine	Burgess	Hold the Mold	Kettering MS
HM	J-1203	Rena	Blakely	Bacteria Wars	St. Philip the Apostle MS
P	J-1202	April	Bautista	Molds Reactions to Environments	St. Columbia School MS
P	J-1206	Benton	James, Jr.	Say Cheese	Buck Lodge MS
		Junior		Physics	
1	J-1303	Brian	O'Donnell	The Wing Thing	St. Mary's School Piscataway MS
1	J-1304	Joshua	Queen	Up, Up, and Away	St. Mary's School Piscataway MS
2	J-1311	Sarah	Boluda	Magnets and Temperature	St. PiusX Regional MS
2	J-1326	Angel	Plane	Do, Re, Me Nees 1, 2 or 3	Thomas Pullen MS
2	J-1336	Carol	Yang	Friction Starts Glass Stops	Hyattsville MS
3	J-1302	Stanley	Henry	Is There More Bounce to the Ounce?	Jericho Christian Academy MS
3	J-1306	Samantha	Ahwah	The Affect of Temperature on Viscosity	St. Ignatius Catholic MS
3	J-1315	Alex	Dan	What's Hot/What's Not	Kenmoor MS

3	J-1325	Brittany	Pierce	Blast Off!	Mill Creek MS
3	J-1331	Santino	Rosanova	The Sweet Spot	Saint Jerome MS
HM	J-1307	Jared	Bailey	Stretch It	Ernest Everett Just MS
HM	J-1308	Kelcie	Bazzarre	Hold Me If You Can	St. Mary's School Piscataway MS
HM	J-1310	Richard	Bland	The Strongest Paper Towel Is...	Our Lady Star of the Sea MS
HM	J-1313	Ric	Chapman	The Aire of Gliders	St. Mary's School Piscataway MS
HM	J-1321	Kailas	Mehta	Zoom, Crash, Bang	Robert Goddard MS
HM	J-1334	Gabe	Weiss	Does Golf Ball Compression Affect Roll?	St. Philip the Apostle MS
HM	J-1335	Connor	Wilkinson	What Goes Up Must Come Down	Saint Jerome MS
HM	J-1337	John	Russo, Jr.	The Chilling Facts	St. Joseph's MS
P	J-1301	Betty	Bui	Get Cracked	Buck Lodge MS
P	J-1305	Hector	Zarzuela	Alternative Energy	Stephen Decatur MS
P	J-1312	Ishmael	Buckner	C02 Engine	Eugene Burroughs MS
P	J-1314	Ryan	Cureton	Citrus Power	Oxon Hill MS
P	J-1316	Bill	Ge	Isolation of Heat	Buck Lodge MS
P	J-1318	August	Hayes	Friction vs. Gravity	Concordia Lutheran School MS
P	J-1320	Amber	Jones	Going Down!	Thomas Pullen MS
P	J-1322	Angelica	Melara	Let It Dry, Let It Dry	Buck Lodge MS
P	J-1323	Amber	Molock	Tin Pan Alley	St. Philip the Apostle MS
P	J-1324	Daman	Nelson	Down the Drain	Stephen Decatur MS
P	J-1327	JayVaughn	Pope	The Mystery in My Sister's Pull-Ups	Benjamin Stoddert MS
P	J-1330	Jared	Robinson	Batteries: Name Brand vs. Generic	Thomas Pullen MS
P	J-1332	Brandon	Selby	Can't Take the Heat	Gwynn Park MS
P	J-1339	Marquez	Baggott	Temperature vs. Water	Andrew Jackson

Junior

Zoology

1	J-1401	Morgan	Miller	Tell Tale Footprints	Father Andrew White MS
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Senior

Behavioral and Social Sciences

1	S-0105	Jay	Barber	The Process of Memory	Bishop McNamara HS
2	S-0101	Patrick	Cates	Conversing While Cruising	Eleanor Roosevelt HS
3	S-0103	Vikram	Ivatury	The Memory Game!	Eleanor Roosevelt HS
HM	S-0102	Bobby	Henry, III	Better Environment Equal Better Math?	Jericho Christian Academy HS
HM	S-0108	Kandice	Brock-Smith	Which Gender Has a Better Memory?	Surrattsville HS
P	S-0104	Colin	Ball	Vision of a Frog	Oxon Hill HS
P	S-0106	Jacquelyn	Johnson	Learning Attitude Correlation...	Jericho Christian Academy HS
P	S-0107	Rachael	Smith	The Real World of Mice	Oxon Hill HS

Senior				Biochemistry	
1	S-0203	Cindy	Tran	Antioxidants in Lingonberries	Eleanor Roosevelt HS
2	S-0201	Afrin	Chowdhury	Lack of GADD45...	Eleanor Roosevelt HS
3	S-0202	Briana	Strachan	Vitamin C Levels in Oranges	Bowie HS
P	S-0240	Alia	Malik	Carotenoids in Potatoes	
P	S-0240A	Alia	Malik	Carotenoids in Potatoes	Eleanor Roosevelt HS
P	S-0240B	Amanda	Mendoza	Carotenoids in Potatoes	Eleanor Roosevelt HS
Senior				Botany	
1	S-0314	Yu	Xia	Extracting Xylella Fastidiosa for PCR	Eleanor Roosevelt HS
2	S-0307	Lauren	Maisel	Japanese Apricot Optimal Harvest Date	Eleanor Roosevelt HS
2	S-0311	Marybeth	Onyeukwu	Genetic Variations in A. Crenata	Eleanor Roosevelt HS
3	S-0306	Victor	Kwansa	Cold-Acclimation in Blueberry	Eleanor Roosevelt HS
3	S-0308	Lena	Martin	Can You Breathe?	Charles H. Flowers HS
3	S-0313	Jesse	Wolfe	Effects of Substrates on Eel Grass	Leonardtwn HS
HM	S-0304	Karat	Kitburi	Geritol for the Sea?	Oxon Hill HS
HM	S-0305	Daniel	Kucin	The Effect of Peanut Shells	DuVal HS
HM	S-0309	Mario	McWilliams	Do Leaves Have Waxy Skin?	Suitland HS
HM	S-0310	Jennifer	Onye	Vita-Plants	Largo HS
P	S-0302	Justin	Bland	Plants and Light	Oxon Hill HS
P	S-0303	Tiara	Jones	Freezin Seeds	Suitland HS
P	S-0312	Arian	Pettaway	Microwave Radiation and its Effect on Mold	Suitland HS
P	S-0340	Nakita	Dolet	Stronger, Better Garlic	
P	S-0340A	Nakita	Dolet	Stronger, Better Garlic	Parkdale HS
P	S-0340B	Jessie	Manuel	Stronger, Better Garlic	Parkdale HS
Senior				Chemistry	
1	S-0406	Regina	Johnson	Detection of Pyridoxine and Nicotinamide	Eleanor Roosevelt HS
2	S-0407	MyNgoc	Nguyen	Calories: Biochemical Energy	Parkdale HS
2	S-0413	Terry	Wallace	Paramagnetic Experiment	Gwynn Park HS
3	S-0414	Kara	Wilcox	Agrochemicals Fate in Groundwater	Eleanor Roosevelt HS
HM	S-0404	Michael	Fluharty	Which Dish Soap Repels Grease Best?	Grace Brethren Christian HS
P	S-0402	Joseph	Butler	A C02 Project	Gwynn Park HS
P	S-0403	Morgan	Clark	Calcium Carbonate in Paper	Gwynn Park HS
P	S-0410	Epiphany	Smith	The Melt	Suitland HS
P	S-0411	Brandon	Solano	Dyeing Easter Eggs	Gwynn Park HS
P	S-0415	Sacheen	Scott	Which Popcorn Pops the Most?	Central HS

Senior

Computer Science

1	S-0502	Daniel	Page	A Picture is Worth 2 Thousand Numbers	Leonardtown HS
2	S-0504	Malcolm	Taylor	Web Kiosk Security	Eleanor Roosevelt HS
3	S-0503	Madeline	Kirk	The Prediction of Orbital Positions	Eleanor Roosevelt HS
HM	S-0501	Eric	Lamison-White	XBOX Linux Conversion	Bowie HS
P	S-0540	Alisa	Howard	Multitasking DOS/In-Signal Processing	
P	S-0540A	Alisa	Howard	Multitasking DOS/In-Signal Processing	From the Heart HS
P	S-0540B	Darren	Lamison-White	Multitasking DOS/In-Signal Processing	From the Heart HS
P	S-0540C	Natasha	Lewis	Multitasking DOS/In-Signal Processing	From the Heart HS

Senior

Earth and Space Science

1	S-0603	Adric	Shearn	Effects of Soil Liquefaction...	Oxon Hill HS
2	S-0602	Maximilian	Iping-Petterson	Orbital Changes in X-ray Binary SMC X-1	Eleanor Roosevelt HS
3	S-0604	Robert	Wolff	Linking Weather Data to Moisture	Bowie HS

Senior

Engineering

1	S-0714	Jonathan	Steiner	The Effects of Dimpling on an Airfoil	Eleanor Roosevelt HS
2	S-0716	Mithun	Suresh	The Effects of Corrosion on Stainless Steel	Eleanor Roosevelt HS
3	S-0703	Javed	Ahamed	Maze Solving with Robots	Eleanor Roosevelt HS
3	S-0709	Naresh	Kosgi	Rocket Thrust	Laurel HS
HM	S-0705	Benjamin	Casto	Sounds Good	Bowie HS
HM	S-0706	Megan	Deming	Crash Barriers	Oxon Hill HS
P	S-0702	Justin	Thompson	Acrodynamics and the Wind Tunnel	Surrattsville HS
P	S-0708	Wesley	Hansborough	Which Cell Phone Has the Best Reception?	Central HS
P	S-0711	Stephen	MinWon	Golf Ball Dimples and Rockets	Great Mills HS
P	S-0712	Raneesha	Payne	Go Mouse Cars Go	Suitland HS
P	S-0713	Emerson	Smith	Hull Design of a Solar-Electric Boat	Eleanor Roosevelt HS
P	S-0715	Mikala	Streeter	Analysis of a Computer-Designed Satellite	Charles H. Flowers HS
P	S-0740	Stephanie	Battle	Can You Trust This Truss?	
P	S-0740A	Stephanie	Battle	Can You Trust This Truss?	Charles H. Flowers HS
P	S-0740B	Natee	Johnson	Can You Trust This Truss?	Charles H. Flowers HS
P	S-0741	Jaya	Davis	Harmony Hightops	
P	S-0741A	Jaya	Davis	Harmony Hightops	From the Heart HS
P	S-0741B	Nicole	Havis	Harmony Hightops	From the Heart HS
P	S-0741C	Bryan	Jackson	Harmony Hightops	From the Heart HS
P	S-0742	Richard	Duckworth	Structural Stability	

P	S-0742A	Richard	Duckworth	Structural Stability	Bowie HS
P	S-0742B	Matthew	Norman	Structural Stability	Bowie HS
P	S-0743	Monique	Etheredge	Seatbelt Airbag	
P	S-0743A	Monique	Etheredge	Seatbelt Airbag	From the Heart HS
P	S-0743B	Alicia	Johnson	Seatbelt Airbag	From the Heart HS
P	S-0743C	William	Robinson, IV	Seatbelt Airbag	From the Heart HS
P	S-0744	Alexis	Freeman	Air Flow Through a Ventilation System	
P	S-0744A	Alexis	Freeman	Air Flow Through a Ventilation System	Oxon Hill HS
P	S-0744B	Derric	Stotts	Air Flow Through a Ventilation System	Oxon Hill HS

Senior

Environmental Sciences

1	S-0804	Sarah	Brownlee	The Role of Phosphorus in Controlling	Calvert HS
2	S-0805	Joseph	Chapman	Soaking Up a Sticky Situation	Bishop McNamara HS
3	S-0809	Favia	Merritt	Are You Drinking Cancer?	Great Mills HS
3	S-0810	Priya	Ramaswamy	Dirty Rainbows	Leonardtwn HS
HM	S-0801	Camille	Acosta	03 Induced Responses	Oxon Hill HS
HM	S-0802	Lauren	Azebu	Effect of Leachate on Water Quality	Eleanor Roosevelt HS
P	S-0803	Emily	Brownlee	Friend or Foe to the Chesapeake Bay	Calvert HS
P	S-0806	Sarah	Dickerson	Aquatic Sword Plants Battle Pollutants	Eleanor Roosevelt HS
P	S-0807	Joshua	Grotte	Is Our Water Safe?	Bowie HS
P	S-0808	Damitra	Jackson	Bioassays	Oxon Hill HS
P	S-0840	Loydis	Cummings	The Water We Drink	
P	S-0840A	Loydis	Cummings	The Water We Drink	Oxon Hill HS
P	S-0840B	Jeff	Paraoan	The Water We Drink	Oxon Hill HS
P	S-0841	Eletha	Flores	Death by Gas Attack	
P	S-0841A	Eletha	Flores	Death by Gas Attack	Charles H. Flowers HS
P	S-0841B	Justin	Racadio	Death by Gas Attack	Charles H. Flowers HS
P	S-0842	Amanda	Harris	Environment vs. Water Quality	
P	S-0842A	Amanda	Harris	Environment vs. Water Quality	Eleanor Roosevelt HS
P	S-0842B	Eireann	Patterson	Environment vs. Water Quality	Eleanor Roosevelt HS

Senior

Gerontology

Senior

Mathematics

1	S-1001	Anthony	DeGennaro	Shifts & Transformations: Mandelbrot Set	Bishop McNamara HS
3	S-1002	Zev	Gurman	Quantum Question	Eleanor Roosevelt HS

Senior				Medicine and Health	
1	S-1102	Alex	Brewer	Bright White Teeth	Eleanor Roosevelt HS
2	S-1101	Iyen	Acosta	Bioluminescence: Revolutionizing	Oxon Hill HS
2	S-1107	Lauren	Smalls-Mantey	Mutations of the HRPT2 Gene	Charles H. Flowers HS
3	S-1108	Nirali	Soni	Role of Gadd45 in Autoimmune Diseases	Eleanor Roosevelt HS
3	S-1111	Stephanie	Warren	The Effect of Classical Music...	Leonardtown HS
HM	S-1103	Shauria	Douglas	Complement Activation	Charles H. Flowers HS
HM	S-1105	Efe	Jesuorobo	Gene Structure & Body Weight	Charles H. Flowers HS
P	S-1104	Ebony	Ellison	Analysis of Potential Sickle Cell Carriers	Charles H. Flowers HS
P	S-1106	Laura	Norris	Eat More Garlic Each Day...	Leonardtown HS
P	S-1109	Claire	Vazques	Effect of Gene Therapy...	Eleanor Roosevelt HS
P	S-1112	Ashley	Waters	Affect of Folate on Cell Growth	Charles H. Flowers HS
P	S-1113	Laura	Weiss	Do Peanuts Lower Triglycerides/Cholesterol?	Bishop McNamara HS
P	S-1114	Dorothy	Wiseman	BIG Hair	Bishop McNamara HS
Senior				Microbiology	
1	S-1203	Maria	Churaman	Defense Mechanisms of E. Coli	Eleanor Roosevelt HS
2	S-1205	Shilpa	Gadwal	Antibiotic Resistance in Enterococcus	Charles H. Flowers HS
3	S-1202	Suzanne	Brundage	Neomycin & Cyclohexamide Affect Bacteria	Eleanor Roosevelt HS
3	S-1211	Forum	Patel	Stemphylium on Lettuce	Eleanor Roosevelt HS
3	S-1213	Christina	Wamble	The Effects of Labeling Cells	Charles H. Flowers HS
HM	S-1206	Serenity	Garnette	Different Bacteria Found on Surfaces	Charles H. Flowers HS
HM	S-1214	Shannon	Woolery	Who Left the Milk Out?	Bowie HS
P	S-1201	Justin	Bost	Soapy Soaps	Suitland HS
P	S-1204	Stephanie	Deming	E. coli Growth	Oxon Hill HS
P	S-1207	Victoria	Key	Funky Fungus	Jericho Christian Academy HS
P	S-1208	Diane	Mattingly	The Fungus Among Us	Leonardtown HS
P	S-1209	Ashley	Minor	Get Exposed with Radiation!	Largo HS
P	S-1210	Erica	Parris	Microtubule Modifications	Charles H. Flowers HS
P	S-1212	Alita-Geri	Smith	What's in Your Cavity?	Largo HS
P	S-1215	Safiya	Ransome	Does Mr. Clean Really Clean?	Laurel HS
P	S-1240	Lensay	Abadula	Characterization of Suttisuga and Mutant	Eleanor Roosevelt HS
P	S-1240A	Lensay	Abadula	Characterization of Suttisuga and Mutant	Eleanor Roosevelt HS
P	S-1240B	Aleena	Hassan	Characterization of Suttisuga and Mutant	Eleanor Roosevelt HS
Senior				Physics	
1	S-1314	Dayan	Li	Evaluating Optical Refraction	Eleanor Roosevelt HS

2	S-1319	Patricia	Welker	A Sneak Preview ...	Bishop McNamara HS
3	S-1316	Grace	Norheim	Annie Oakley to the Test	Oxon Hill HS
HM	S-1307	Swanee	Daniels	Metal Swing	Charles H. Flowers HS
HM	S-1308	Maxwell	Fetter	Drop and Plop	Eleanor Roosevelt HS
HM	S-1320	John	Scott	When Temperature Goes Up....	Surrattsville HS
P	S-1302	Asteway	Addisu	Change of "ABE"	Forestville Military Academy HS
P	S-1303	Christopher	Antoine	Stretch Rubber, Stretch	Gwynn Park HS
P	S-1304	Christopher	Baruch	Angles of Reflection	Suitland HS
P	S-1305	Dexter	Briscoe	Rushing Water	Suitland HS
P	S-1309	Ernesto	Henderson	Magnetic Levitation	Central HS
P	S-1310	Timea	Jackson	How to Polarize Light	Gwynn Park HS
P	S-1312	Paul	Grigsby, Jr.	Searching for CP Violation in B-mesons	Charles H. Flowers HS
P	S-1313	Angela	Kitchens	Sink or Float?	Suitland HS
P	S-1315	Jonathan	McAllister	The Big Freeze	Bowie HS
P	S-1317	Anthony	Rufus	Does the Amount of Salt Affect Buoyancy?	Gwynn Park HS

Senior

Zoology

1	S-1409	Tejas	Suresh	Effect of C. Suttuga on Whiteflies	Eleanor Roosevelt HS
2	S-1405	Amauche	Emenari	Sandfly Attractant	Eleanor Roosevelt HS
3	S-1402	Matthew	Blohm	Sounds Good	Bowie HS
3	S-1408	Jonathon	Loutsch	Paint Quality and Size of Bee Bowls	Eleanor Roosevelt HS
HM	S-1403	Catherine	Butterworth	Analysis of Zebrafish RhoGEF Genes	Eleanor Roosevelt HS
P	S-1401	Jorge	Arguero	Fish-y Behavior	Oxon Hill HS
P	S-1404	Chelsea	Day	Musical Thermometers	Laurel HS