

# Prince George's Area Science Fair - April 6, 2003

## *Junior Division*

### Behavioral and Social Sciences

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Shimer	Tara	J-0102	Sun or Rain . . . Does it Matter?	Martin L. King	PGC
2	Brown	Amanda	J-0114	Color Blindness: Are You Color Blind?	Nicholas Orem Middle	PGC

### Biochemistry

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	McCallen	Alexandra	J-0204	Mummification Gone Bananas	St. Johns School	SMC
2	Wallace	Christopher	J-0208	Which Soft Drink Has the Most Carbonation?	Drew Freeman Middle	PGC
3	Hines	Rebecca	J-0209	2 B or Not 2 B, That is the Question	Nicholas Orem Middle	PGC
H	Wilkinson	Connor	J-0213	Indicator Against Advertisement	St. Jerome's School	PGCP
P	Acosta	Camille	J-0206	Sugar in Red and Green Skinned Fruits	Andrew Jackson Middle	PGC
P	Daniels	Nicole	J-0205	Can You See Vitamin C?	Buck Lodge Middle	PGC
P	Wilson	Danielle	J-0201	Break It Down	Thomas G. Pullen	PGC
P	Yirga	Matheos	J-0212	Nut Power	Oxon Hill Middle	PGC

### Botany

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Dickerson	Sarah	J-0301	Polluted Pachysandra Fight Back!	Hyattsville Middle	PGC
2	Autry	Pierce	J-0310	Algae Bloom Chemical UR Natural	Kings Christian Acad.	SMC
2	Rehner	Daniel	J-0303	Effects of Irradiation on Plant DNA	Greenbelt Middle	PGC
3	Baker	Nicole	J-0318	Plant Transpiration	Drew Freeman Middle	PGC
3	Sardella	Steven	J-0315	Welcome to the PMA's (Plant Music Awards)	Robt. Goddard Mont.	PGC
H	Dewey	Alex	J-0302	Fertilizer and Early Plant Growth	St. Mary's of Piscataway	PGCP
H	Flett	Sean	J-0309	Plant Crowding	St. Pius X Regional	PGCP
H	Harrison	Brittany	J-0316	Lights and Beans	Walker Mill Middle	PGC
H	Raza	Maryum	J-0312	Plant, Growth, and Light	Buck Lodge Middle	PGC

P	Blackman	Chelsea	J-0311	Environment Requirement	Buck Lodge Middle	PGC
P	Campbell	Robert	J-0305	Saving Dying Plants in Contaminated Soil	Gwynn Park Middle	PGC
P	Collins, Jr.	Rocha	J-0314	The Effect of Light on the Growth of Seeds	Thurgood Marshall Middle	PGC
P	Munson	Jaylynn	J-0306	How Do Grass Seedlings Respond to Light?	Jericho Christian Acad.	PGCP
P	Nash	Jovan	J-0319	Dirty Business	Ernest Everett Just	PGC
P	Owens	Constance	J-0322	Plants and Artificial Lights	St. Phillip the Apostle	PGCP
P	Ridgley	Nathan	J-0313	What Liquid has the Best Effect on Plants?	Thurgood Marshall Middle	PGC
P	Wheeler	Jeanette	J-0304	What is the Solution?	Grace Brethren	PGCP
P	Winbush	Jade	J-0321	Liquids and Plants	Ernest Everett Just	PGC
P	Young	Timothy	J-0317	Lights . . .Plants . . .Grow	Concordia Lutheran	PGCP

## Chemistry

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Hogie	Glenn	J-0402	Build A Better Battery	Martin L. King	PGC
1	Whitehead	Shannon	J-0431	Can I Make Oxygen?	Oxon Hill Middle	PGC
2	Acevedo	Joye	J-0410	Which Liquids Will Stain Teeth the Most?	Thurgood Marshall Middle	PGC
2	Anderson	Calvin	J-0414	Viscosity	Ernest Everett Just	PGC
2	Garcia	Melissa	J-0408	The Heat is On	Kenmoor Middle	PGC
3	Allen	Michael	J-0434	Paper Towel Test	Nicholas Orem Middle	PGC
3	Johnson	Raven	J-0436	Stain Stain Go Away	Nicholas Orem Middle	PGC
3	Pittarelli	Maria	J-0405	The Effect of Solutes on Melting Rates	St. Pius X Regional	PGCP
3	Waldron	Vondell	J-0419	Sandwich Bags - Which One is More Durable?	Stephen Decatur Middle	PGC
3	Young	J. Patrick	J-0437	Vitamin C - High or Low	Robert Goddard French	PGC
H	Arnold	Brandon	J-0433	Getting a Charge Out of the Food Groups	Gwynn Park Middle	PGC
H	Canlas	Erine	J-0409	Rustragous	Walker Mill Middle	PGC
H	Fabiyi-King	Kristopher	J-0424	Knockout Stains	Buck Lodge Middle	PGC
H	Jackson	Matthew	J-0426	Laundry Detergents vs. Food-Related Stains	Ernest Everett Just	PGC
H	McPherson	Joshua	J-0415	The Heads and Tails of Electroplating	Ernest Everett Just	PGC
H	Steen	Brian	J-0418	A Recipe for Trouble	Concordia Lutheran	PGCP

H	Zabiegalski, Jr.	Neal	J-0406	A Salt Battery	Homeschool	SMCP
P	Ababiya	Ziky	J-0412	Acidity	Robt. Goddard Mont.	PGC
P	Aguinot	Renlee	J-0429	The Better De-Icer	Oxon Hill Middle	PGC
P	Alcones	Liane	J-0430	Boil, Boil, Boil	Oxon Hill Middle	PGC
P	Colbert	Maya	J-0421	The Ripening Race	John Hanson Montessori	PGC
P	Empty	Britney	J-0416	Dissolve - Resolve	Ernest Everett Just	PGC
P	Green	Gregory	J-0411	"Where's My Mummy? Part II	Thomas Pullen Middle	PGC
P	Henry	Ashish	J-0423	How Do You Like It?	Nicholas Orem Middle	PGC
P	Howard	William	J-0407	Liquid to Gas	Buck Lodge Middle	PGC
P	Jenifer	Lauren	J-0428	Drinking Iron	Oxon Hill Middle	PGC
P	Morris	Laura	J-0404	Do Fruit Drinks Contain Vitamin C?	Martin Luther King Middle	PGC
P	Nour	Najm	J-0427	"Got Milk"	Oxon Hill Middle	PGC
P	Olowomeye	Ope	J-0422	To Break or not To Break	Nicholas Orem Middle	PGC
P	Senn, Jr.	Jonathan	J-0417	Crystals, The Unseen Matter	Ernest Everett Just	PGC
P	Velazquez	Jacqueline	J-0435	Soap Bubbles	St. Jerome's School	PGCP

#### Computer Science

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Harder	Sean	J-0501	Flocking Helps Artificial Life	Hyattsville Middle	PGC

#### Earth and Space Science

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Elliton	Courtney	J-0610	Clouds: What do they Forecast?	Plum Point Middle	CAC
2	Lorenz	Eileen	J-0604	The Effect of Color on Cooling	St. Pius X Regional	PGCP
3	Pyles II	Donald	J-0602	Our Weather Report	Jericho Christian Acad.	PGCP
H	Cox	Shannon	J-0612	The Night Sky - What Exceeds the Eye	Robt. Goddard Mont.	PGC
P	Alvarez	Diana	J-0608	It's Getting Hot!	Buck Lodge Middle	PGC
P	Davis	Tiffany	J-0611	Tilt and Temperature	Oxon Hill Middle	PGC
P	Harkins	William	J-0609	Air Pressure	John Hanson Montessori	PGC
P	Jones	Jasmine	J-0603	Sun Burns	From The Heart Christian	PGCP

P	Parham	Devon	J-0613	Soils In Motion	Drew Freeman Middle	PGC
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Engineering

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	McConkey	Kelsey	J-0721	When the Wind Blows	St. Phillip the Apostle	PGCP
2	Arnold	Emily	J-0707	Defy Gravity	Leonardtwn Middle	SMC
2	Devereux	Christina	J-0717	One Way or Another	Our Lady Star of the Sea	CACP
3	Sheridan	Steven	J-0713	Wings and Lift	Robt. Goddard Mont.	PGC
3	Smith	James-Michael	J-0701	Structure and Strength	St. Mary's of Piscataway	PGCP
H	Dion	Greg	J-0706	Solar Panel Angle vs. Energy Absorbed	St. Pius X Regional	PGCP
H	Smith	Jamison	J-0720	Bridge Models	St. Phillip the Apostle	PGCP
P	Amaya	Claudia	J-0710	Building Bridges	Buck Lodge Middle	PGC
P	Caoutte	Renee	J-0708	How to Land on Mars Safely	Esperanza Middle	SMC
P	Clark	Chris	J-0709	Magnetic Rocket Launcher	Margaret Brent Middle	SMC
P	Denikos	Allison	J-0722	Who's Your Power?	Our Lady Star of the Sea	CACP
P	Epp-Schmidt	Dietrich	J-0724	Mag. Kev. Vs. Friction	Robt. Goddard French	PGC
P	Hardy	Miles	J-0702	Machine Motion	Thomas G. Pullen	PGC
P	Onyenemezu	John	J-0711	Birds of Prey	Kenmoor Middle	PGC
P	Ponafala	Anthony	J-0712	Paper Airplanes Flying High	Thurgood Marshall Middle	PGC
P	Rankin	William	J-0716	Which Bridge Design is the Best?	Concordia Lutheran	PGCP
P	Reed	Sean	J-0725	You'll Get a Kick Out of This!	St. Ignatius School	PGC
P	Torres	Wayne	J-0705	The Art of Aerodynamics	Thomas Johnson Middle	PGC

Environmental Sciences

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	O'Connor	Safiya	J-0805	Disappearing Drips	Robt. Goddard Mont.	PGC
2	Stewart	Sophia	J-0804	Oil and Water: Bay Grasses at Risk	Martin L. King	PGC
3	Bors	Christian	J-0811	To Grow or Not to Grow	Concordia Lutheran	PGCP
H	Powell	Taylor	J-0807	H2O Can Make It Flow	Margaret Brent Middle	SMC
H	Proctor	Perrye	J-0815	Acid Rain	St. Phillip the Apostle	PGCP

H	Sturdivant	Lleah	J-0803	Raining Down a Tropical Forest	Oxon Hill Middle	PGC
P	Calizo	Andrea	J-0818	The Power of the Magical Sun	Kettering Middle	PGC
P	Judd	Brittany	J-0810	Pollution in Hot and Cold Air	Drew Freeman Middle	PGC
P	Pavlos	Sophia	J-0801	"Fertilizing the Ocean"	Hyattsville Middle	PGC
P	Prather	Reynaldo	J-0817	Which Oil Spreads the Fastest?	Oxon Hill Middle	PGC
P	Stevens	Jaclyn	J-0806	Debris Free Water	St. Johns School	SMCP
P	Wells	Kimberly	J-0816	Oil Spill Clean-Up	Oxon Hill Middle	PGC

### Mathematics

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	DeGennaro	Anthony	J-1003	Little Fermat Theorem with a Bog Twist	St. Phillip the Apostle	PGCP
2	Stoehr	Matthew	J-1001	I'm Going Batty!!	Margaret Brent Middle	SMC
3	Miller	Wesley	J-1004	Rain, Rain, Go Away	Robt. Goddard French	PGC
H	Cowan	Ethan	J-1002	Drip, Drip, Drip, Goes the Water	Kenmoor Middle	PGC

### Medicine and Health

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Amandla	Malik	J-1101	Who Ya Gonna Call? Stain Busters.	Gwynn Park Middle	PGC
2	Phillips	Harolyn	J-1107	Keeping Bones Strong	St. Phillip the Apostle	PGCP
3	Olley, Jr.	Joseph	J-1105	Fever Relieve	Drew Freeman Middle	PGC
H	Fingers	Carlyn	J-1108	To Drink or Not To Drink?	Oxon Hill Middle	PGC
P	Ashton	Matthew	J-1104	Acid Dive	Kenmoor Middle	PGC
P	Conteh	Isatu	J-1102	Is Yeast Affected bu Glucose, Sucrose, or Starch?	Oxon Hill Middle	PGC
P	Johnson	Brittany	J-1106	How Do You Spell Relief?	Northern Middle	CAC

### Microbiology

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Birmingham	Alyssa	J-1201	A Feast for the Yeast	St. Mary's of Piscataway	PGCP
2	Stewart	Maurielle	J-1207	Holy Moldy!	Robt. Goddard Mont.	PGC
3	Thomas	Renjit	J-1206	Mold: Where To Grow	Kenmoor Middle	PGC
H	Abadey	Kush	J-1205	"Guess What I Found in the Water?"	Thomas Pullen Middle	PGC

Physics

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Purser	Carola	J-1329	Focault Pendulum	St. Phillip the Apostle	PGCP
2	Li	Dayan	J-1307	Behavior of Meandering Streams	Martin L. King Middle	PGC
3	Jones	Kevin	J-1301	Shades of Gray	St. Mary's of Piscataway	PGCP
3	Queen	Joshua	J-1302	Microwave Leakage: Does The Amount of Water	St. Mary's of Piscataway	PGCP
3	Yang	Carol	J-1303	Largest Angle . . . Yet Slower Too	Hyattsville Middle	PGC
H	Benes	Victoria	J-1315	Let's Reflect on Color	Kings Christian Acad.	SMC
H	Briggs	Christopher	J-1323	The Heat Dissipation Rate of Metals	Ernest Everett Just	PGC
H	Linstrom	Jami	J-1306	Let 'Em Roll	Martin L. King Middle	PGC
H	Stuart	Carey	J-1331	It's Hot in Here!	Nicholas Orem Middle	PGC
H	Walls	Matt	J-1309	The Effect of Mass on Force	St. Pius X Regional	PGCP
H	Willis	Joel	J-1305	Are You Attracted?	Drew Freeman Middle	PGC
P	Alabi	Zuliat	J-1326	Light Bulb Power	Ernest Everett Just	PGC
P	Bell, Jr.	Anthony	J-1324	Power Up!	Ernest Everett Just	PGC
P	Boda	Daniel	J-1334	Current Events Through Currency	Gwynn Park Middle	PGC
P	Bulluck	Kevin	J-1321	Pendumnometry	Buck Lodge Middle	PGC
P	Calvano	Eric	J-1314	Splat!!	Margaret Brent Middle	SMC
P	Conwell	Gerald	J-1332	Charged-Up	Kenmoor Middle	PGC
P	Diggs	Kimberly	J-1319	Free Fall	Thurgood Marshall Middle	PGC
P	Faria	Christine	J-1322	Hot, Warm or Cold	Buck Lodge Middle	PGC
P	Fister	Ryan	J-1339	Let It Fly	Oxon Hill Middle	PGC
P	French	Emerson	J-1304	Weighting Down Heat	Hyattsville Middle	PGC
P	Hall	Hanna	J-1318	Length and Weight Affect Balance	Walker Mill Middle	PGC
P	Houglum	Mark	J-1328	Not So Loud, Please!	St. Phillip the Apostle	PGCP
P	Janifer	Tarana	J-1312	Battle of the Colas	Thomas Johnson Middle	PGC
P	Jones	Jessica	J-1310	Radiation Makes House Calls	From The Heart Christian	PGCP
P	Sledd	Monique	J-1320	It's Getting Hot In Here	Buck Lodge Middle	PGC

P	Smith	Brian	J-1342	Chromatography	Ernest Everett Just	PGC
P	Tanner, IV	Oscar	J-1335	Electric Shock	Stephen Decatur Middle	PGC
P	Ward	Benjamin	J-1311	The Disappearing Act	Robt. Goddard Mont.	PGC
P	Yoo	Maria	J-1313	Soft Drinks Fizz Away!	Thomas Johnson Middle	PGC

## Zoology

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Ding	Manning	J-1401	Magnetized Mealworms	Martin L. King Middle	PGC
2	Roberts	Alexandria	J-1407	Oyster Grazing Habits	Plum Point Middle	CAC
3	Henry	Stanley	J-1402	What Keeps Ants Away From Food?	Jericho Christian Acad.	PGCP
H	Johnson	Stephanie	J-1404	Bug Off!	Northern Middle	CAC

## Senior Division

### Behavioral and Social Sciences

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Holding	Johnna	S-0102	Developing an Evaluation Component of	Eleanor Roosevelt	PGC
2	Abdi	Shahla	S-0103	Why Do Girls Stop Taking Math in High School?	Eleanor Roosevelt	PGC
3	Hartman	Kati	S-0107	Rowd Lzupez	Bishop McNamara High	PGCP
H	Henry III	Bobby	S-0105	Does Living Color = Better Math?	Jericho Christian Acad.	PGCP
P	Newman	Ashley	S-0106	Are You in the Stars?	Gwynn Park High	PGC
P	Shroder	Deborah	S-0101	A Picture's Worth a Thousand Words	Eleanor Roosevelt	PGC

### Biochemistry

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Liu	Jue (Judy)	S-0203	Analysis of Gene Expression Profile	Eleanor Roosevelt	PGC
2	Seth	Srishti	S-0202	Proteomic Screen for Sumo/SMT3 Targets	Eleanor Roosevelt	PGC
3	Hancock	Porsche'	S-0205	What's In A Nut?	Friendly High	PGC
P	Lovett	Alana	S-0204	Fit or Fat?	Oxon Hill High	PGC
P	Munoz	Jennifer	S-0240B	Effects of HDL on LDL Oxidation	Eleanor Roosevelt	PGC

P	Munoz	Jennifer	S-0240	Effects of HDL on LDL Oxidation	Eleanor Roosevelt	PGC
P	Smalls-Mantey	Adjoa	S-0201	Control of Biosynthesis of 2.3DPG in Red Blood	Eleanor Roosevelt	PGC
P	Susai	Geetha	S-0240A	Effects of HDL on LDL Oxidation	Eleanor Roosevelt	PGC
P	Susai	Geetha	S-0240	Effects of HDL on LDL Oxidation	Eleanor Roosevelt	PGC

### Botany

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Elahi	Zeeshan	S-0304	Internal Heat Necrosis in Potatoes	Eleanor Roosevelt	PGC
2	Felder	Brittney	S-0305	Scaling Evapotranspiration in a Riparian Wetland	Eleanor Roosevelt	PGC
3	Jhingory	Sharon	S-0306	Cloning and Sequencing Subgenomic RNA of	Eleanor Roosevelt	PGC
3	Walker	Joshua	S-0301	Genetic Linkage in Soybeans	Oxon Hill High	PGC
P	Carabeo	Jan	S-0302	Gardners Know the Best Dirt	Oxon Hill High	PGC
P	Gingold	Beth	S-0340	SSR Analysis of Theobroma Cacao ICS from	Eleanor Roosevelt	PGC
P	Gingold	Beth	S-0340A	SSR Analysis of Theobroma Cacao ICS from	Eleanor Roosevelt	PGC
P	Gingold	Sarah	S-0340	SSR Analysis of Theobroma Cacao ICS from	Eleanor Roosevelt	PGC
P	Gingold	Sarah	S-0340B	SSR Analysis of Theobroma cacao ICS from	Eleanor Roosevelt	PGC
P	Kucin	Daniel	S-0307	Plant Growth	DuVal High	PGC
P	Long	Amber	S-0303	Green Grass Grows	Friendly High	PGC

### Chemistry

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Cherif	Alhaji	S-0404	Electro Galvanic Cell Method Development	Parkdale	PGC
2	Henry	Charisse	S-0411	Defining the C-Terminus of Proteins	Suitland High	PGC
2	Mock	Karin	S-0416	Are Points Anti-Social?	Eleanor Roosevelt	PGC
3	Hungerford	James	S-0413	Which Common Household Fabric Will Burn the	Bishop McNamara High	PGCP
3	Price	Steven	S-0410	How Do You Spell Relief?	Bowie High	PGC
H	Latham	Sophie	S-0408	The Actions of Leavening Agents	Suitland High	PGC
P	Carter	Sumiko	S-0401	Trichoroacetic Acid Extraction for/HPLC for the	Eleanor Roosevelt	PGC
P	Dacanay	Pali	S-0407	Do Some Colors Dry Quicker Than Others?	Suitland High	PGC
P	Iloh	Constance	S-0440	Radiation Germanation	Oxon Hill High	PGC

P	Moore	Markeshia	S-0409	Vitamin C vs. Temperature	Suitland High	PGC
P	Riegel	John	S-0402	Measuring Surface Tension	Eleanor Roosevelt	PGC
P	Shaw	Megan	S-0440	Radiation Germanation	Oxon Hill High	PGC
P	Wharton	Lowen	S-0406	The Best Acid-Base Indicator	Suitland High	PGC

### Computer Science

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Bates	Sarah	S-0502	Optimization of Satellite Orbits: Through the	Eleanor Roosevelt	PGC
2	Adekanmbi	Oluseyi	S-0501	Which Tools are Best for Evaluating Internet	Eleanor Roosevelt	PGC
H	Lash	Andrew	S-0505	Particle Engine at Work	Leonardtown High	SMC
P	D'Agostino	Justin	S-0506	Digital Signal Processing	Bowie High	PGC

### Earth and Space Science

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Simon	Stephen	S-0607	Refining Near-IR Data	Eleanor Roosevelt	PGC
2	Bonnell	James	S-0608	Hunting for Meteors with CONCAM	Eleanor Roosevelt	PGC
3	Chen	Alfred	S-0604	Tracking Asteroid 1 Ceres	Northwestern High	PGC
3	Everett	Philip	S-0602	GPS - Precise or Accurate?	Grace Brethren	PGCP
P	Warren	Cordell	S-0605	Parrallax Triangles are the Key	DuVal High	PGC

### Engineering

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Shieh	Catherine	S-0708	Electrochemical Migration on PCB's	Eleanor Roosevelt	PGC
2	Lee	Christopher	S-0703	Duration of Water Temperature Between Copper	Oxon Hill High	PGC
3	Shyr	Nancy	S-0707	Aluminum Electrolytic Capacitors	Eleanor Roosevelt	PGC
H	Hannam	Phillip	S-0701	Is Your Deck Safe After A Storm?	Eleanor Roosevelt	PGC
P	Clarke	Anthony	S-0709	Burn and Earn	Suitland High	PGC
P	Daniels	Jerry	S-0740	Defying Gravity	Surrattsville High	PGC
P	Dronenburg II	Jeffrey	S-0741A	Mad Science: Electrokinetic Propulsion	Great Mills High	SMC
P	Dronenburg II	Jeffrey	S-0741	Mad Science: Electrokinetic Propulsion	Great Mills High	SMC
P	Haverkamp	Mitchell	S-0704	Testing Slow Tethered Flight	Leonardtown High	SMC

P	Martz	Matthew	S-0741B	Mad Science: Electrokinetic Propulsion	Great Mills High	SMC
P	Martz	Matthew	S-0741	Mad Science: Electrokinetic Propulsion	Great Mills High	SMC
P	Nungester	Marc	S-0706	Heat Exchange of Cores!	Bowie High	PGC
P	Sabino	Maria	S-0702	A Light Fog	Oxon Hill High	PGC
P	Thompson	Justin	S-0740	Defying Gravity	Surrattsville High	PGC

### Environmental Sciences

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Acosta	Iyen	S-0804	Bioluminescence: The Role of ATP in Detection	Oxon Hill High	PGC
2	Brownlee	Emily	S-0811	Larvae of the Chesapeake Bay Oyster	Calvert High	CAC
2	Brownlee	Sarah	S-0810	The Effects of Phosphorus and Salinity on	Calvert High	CAC
3	Mattingly	Michelle	S-0806	Drums of Seawater	Leonardtown High	SMC
H	Farmer	Barbara	S-0803	Pb and As	Oxon Hill High	PGC
P	Baker	Martinez	S-0807	Natural Dyes	Suitland High	PGC
P	Denise	Shaina	S-0840	Soil N Availability in Corn	Eleanor Roosevelt	PGC
P	Gabuten	Kristine	S-0801	Precipitation Run-Off on Pollutant Levels in a	Eleanor Roosevelt	PGC
P	Grotte	Joshua	S-0808	Is Our Water Safe?	Bowie High	PGC
P	Hu	Tian Tian	S-0812	Effect of Shading, Plant Type amd ERAS Water	Eleanor Roosevelt	PGC
P	Huang	Mary	S-0841	What's Average?	Oxon Hill High	PGC
P	Isaacman	Gabriel	S-0802	Income Levels vs. Nitrates/Phosphates	Eleanor Roosevelt	PGC
P	Kmitch	Emily	S-0840	Soil N Availability in Corn	Eleanor Roosevelt	PGC
P	Leslie	Alan	S-0841	What's Average?	Oxon Hill High	PGC

### Mathematics

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Page	Daniel	S-1003	A Picture is Worth a Thousand Numbers . . .	Leonardtown High	SMC
2	Brazelton	Mary	S-1004	A Fractal Analysis of Wolfram's Cellular Automata	Bishop McNamara High	PGCP

### Medicine and Health

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Fasanmi	Fovin	S-1102	A Role of Gadd 45 as Lupus Suppressor Gene	Eleanor Roosevelt	PGC

2	Baker	Kate	S-1103	Fast Food Fat	Leonardtown High	SMC
3	Oughton	Jennifer	S-1104	Speeding Up Elimination of Carbon Dioxide from	Suitland High	PGC
P	Duke	Brittany	S-1141	Playstation vs Heart Rate	Bowie High	
P	Duke	Brittany	S-1141B	Playstation vs Heart Rate	Bowie High	
P	Gillispie	Brittany	S-1141	Playstation vs Heart Rate	Bowie High	PGC
P	Gillispie	Brittany	S-1141A	Playstation vs Heart Rate	Bowie High	PGC
P	Ginevan	Brandon	S-1105	Painless Cavity Repair	Eleanor Roosevelt	PGC
P	Kunz	Jason	S-1101	The Effect of Ice Water on Heart Rate	Eleanor Roosevelt	PGC

### Microbiology

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Romani	Heather	S-1202	Got Purple?	Eleanor Roosevelt	PGC
2	Levy	Diana	S-1207	Viral Resistance in Drosophila Melanogaster	Eleanor Roosevelt	PGC
3	Moore	Kenneth	S-1201	Stability of PRAA's Toxicity to CPB	Eleanor Roosevelt	PGC
H	Walker	McClain	S-1203	Homeopathic Homies	Oxon Hill High	PGC
P	Carlyle	Roshaika	S-1240	Antibiotic Efficiency	Oxon Hill High	PGC
P	Duckett	Candice	S-1205	The Retention of Bacteria on Children's Toys	Oxon Hill High	PGC
P	Hawkins	Tiffany	S-1240	Antibiotic Efficiency	Oxon Hill High	PGC
P	Peterson	Amber	S-1204	Antibacterial Gel vs. Hand Sanitizer Soap	Oxon Hill High	PGC

### Physics

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	Dickey	Rachael	S-1302	Effect of Tragus and Pinna on Sound Localizing of	Eleanor Roosevelt	PGC
2	Lemus	David	S-1306	Sound Patterns of Treated Reeds	Eleanor Roosevelt	PGC
3	Curtis	Galen	S-1312	The Mechanism of Lift in Sails	Bowie High	PGC
3	Len	Shannie	S-1314	The Spin Physics of Figure Skating	Bowie High	PGC
3	Lopez	Jackelyn	S-1319	Killer Waves! How the Amount of Radiation in	Bishop McNamara High	PGCP
3	Webster	Erin	S-1301	Best Bumper for Being Safe	Eleanor Roosevelt	PGC
H	Brown	Jordan	S-1321	Bore Diameters - Capillary Action	Grace Brethren	PGCP
H	Butler	Joseph	S-1318	Glider Wing Design	Gwynn Park High	PGC

H	DeArmey	John	S-1310	Energy Transfer in Touching Solids	Great Mills High	SMC
H	Solonti	Neshaneh	S-1320	Acceleration, g, and Slope on a Turntable	Laurel High	PGC
P	Anderson	Leighton	S-1309	Forces Unseen . . . Yet Present	Jericho Christian Acad.	PGCP
P	Borelli	Nicholas	S-1316	Rockets-A-Weigh!	Gwynn Park High	PGC
P	Elery	Jade	S-1313	The Third Law of Motion: Action and Reaction	Gwynn Park High	PGC
P	Gilmour	Jonathan	S-1305	Repulsive Forces of Magnets	Grace Brethren	PGCP
P	Gonzaga	Justin	S-1308	Hold That Heat	Oxon Hill High	PGC
P	Matthews	Isaac	S-1304	Superconductor Electronics Technology	Oxon Hill High	PGC
P	Paczkowski	Cassy	S-1303	Round and Round We Go	Parkdale	PGC
P	Sineriz	Georgio	S-1307	The Determined Motor	Oxon Hill High	PGC
P	Solano	Brandon	S-1315	Hot Stuff	Gwynn Park High	PGC

### Zoology

	<b>Last Name</b>	<b>First Name</b>	<b>Project</b>	<b>Title of Project</b>	<b>School Name</b>	<b>Sys</b>
1	O'Connor	Shakisha	S-1406	An Ecotoxicological Investigation	Eleanor Roosevelt	PGC
2	Lampe	Rebecca	S-1402	The Auditory Brainstem Response in Bengalese	Eleanor Roosevelt	PGC
3	Blohm	Matthew	S-1403	Cliff Hanger	Bowie High	PGC
P	Rowton	Jesse	S-1401	Acetone and Octanol as Attractants for Artificial	Eleanor Roosevelt	PGC