

Award Winners from the 56th Anniversary
Science MONTGOMERY
The 2012 Montgomery County Science Fair

ISEF AWARDS in the Senior Division

**Winners: Expense paid trip to compete in the INTEL International Science and Engineering Fair
May 13-18 2012 in Pittsburgh, PA and \$250 Award**

Biology **Nina Lu** Montgomery Blair High School
Determination of Binding Energy Hotspots on a Broadly-Neutralizing Antibody Against HIV-1

Computer science **Pavleen Thukral** **Poolesville High School**

**Hierarchical Automatic Image Based Human Age Estimation Using
Relevance Vector Machine Regression and Multi-Classifer Fusion**

Physics **David Zhang** Richard Montgomery High School
Sodium Abundance in Sungrazing Comets

Computer science **Vinay Sriram** **Poolesville High School**

**Quantitative Modeling of Processing Cost and Energy Consumption
for Cryptographically Enhanced Secure Internet Routing Protocol**

1st Runner Up: \$100 Cash and First Alternate for trip to ISEF

Engineering **Jacob Glueck** Thomas S. Wootton High School
Optical Measurement of Ice Thickness

Category Winners in the Senior Division**First Prizes: \$200 and Certificate****Second Prizes: \$100 and Certificate****Third Prizes: \$50 and Certificate****Teams Share Awards****Honorable Mention: Certificates**

	PROJ. NO.	Name	SCHOOL
S100	Behavioral and Social Sciences		
	1	S101 Briana Applewhite	Sherwood High School
	1	S101 Evan Schwartz	Sherwood High School
	1	S101 Jessica Carrera	Sherwood High School
	2	S102 Kevin Pham	Sherwood High School
	2	S102 Eshan Nanda	Sherwood High School
	2	S102 Simran Gupta	Sherwood High School
S200	Biology		
	1	S204 Nina Lu	Montgomery Blair High School
	1	S221 Eric Keen	Home Schooled
	1	S243 James Shepherdson	Montgomery Blair High School
	1	S265 Amanda Tomlinson	Sherwood High School
	1	S265 Emma Poe-Yamagata	Sherwood High School
	2	S203 Srividya Murthy	Montgomery Blair High School
	2	S226 Sherman Leung	Montgomery Blair High School
	2	S244 Trinish Chatterjee	Richard Montgomery High School
	2	S271 Yini Qi	Thomas S. Wootton High School
	3	S201 Daniel Cheng	Richard Montgomery High School
	3	S228 Evan Horne	Montgomery Blair High School
	3	S242 Ziyao Wang	Montgomery Blair High School
	3	S261 Joseph Denicola	Poolesville High School
	H	S205 Andrew Zhang	Montgomery Blair High School
	H	S222 Colin Hambright	Sherwood High School
	H	S222 Adam Berger	Sherwood High School
	H	S245 Kyle Starost	Magruder High School
	H	S245 Waliullah Rifai	Magruder High School
	H	S246 Jaykar Nayeck	Walt Whitman High School
	H	S266 Mohamed Keita	Gaithersburg High School
	H	S269 Prusse Kakpovi	Montgomery Blair High School
S300	Chemistry		
	1	S308 Navya Nanda	Poolesville High School
	1	S308 Meera Krishnamoorthy	Poolesville High School
	2	S305 Maureen Lei	Montgomery Blair High School
	2	S306 Devika Haridas	Poolesville High School
	3	S301 Katherine Brizzolara	Walter Johnson High School
	H	S304 Sharon Wu	Thomas S. Wootton High School
S400	Computer Science and Mathematics		
	1	S404 Pavleen Thukral	Poolesville High School
	1	S423 Vinay Sriram	Poolesville High School
	2	S406 Ayush Goyal	Poolesville High School
	2	S406 André Guzmán	Poolesville High School
	2	S421 Jennifer Gagner	Winston Churchill High School
	2	S425 Denise Alving	Poolesville High School
	3	S403 Anirudh Gubba	Poolesville High School
	3	S408 Shubham Chattopadhyay	Montgomery Blair High School
	3	S424 Nikita Shalimov	Thomas S. Wootton High School
	H	S402 Toby Kang	Winston Churchill High School

S500 Engineering, Presented in Honor of our Past President, Greg Neuschafer

1	S508	Jacob Glueck	Thomas S. Wootton High School
2	S510	Jack Zhu	Poolesville High School
3	S502	James Baur	Wheaton High School
H	S501	Brandon Grinkemeyer	Poolesville High School
H	S503	Caroline Park	Walt Whitman High School

S700 Physics

1	S705	David Zhang	Richard Montgomery High School
1	S721	Pei-Yi Lin	Poolesville High School
2	S704	Huy Lam	Poolesville High School
2	S727	Matthew Yung	Thomas S. Wootton High School
3	S710	Saimouli Katragadda	Gaithersburg High School
3	S726	Valery Leng	Poolesville High School
H	S706	Leo Hendricks	Poolesville High School
H	S707	Shanta Murthy	Poolesville High School
H	S723	Brian Galfond	Poolesville High School
H	S724	Jason Luu	Poolesville High School

Category Winners in the Junior Division

First Prizes: \$100 and Certificate

Second Prizes: \$50 and Certificate

Third Prizes: \$25 and Certificate

Teams Share Awards

Honorable Mention: Certificates

	PROJ. NO.	Name	SCHOOL
J100 Behavioral and Social Sciences			
	1	J114 Azeem Mohammed	Roberto Clemente Middle School
	2	J107 Lainey Reed	Roberto Clemente Middle School
	3	J108 Brittany Menjivar	Holy Cross School
	H	J104 Ron Yutin	Roberto Clemente Middle School
	H	J116 Delia Chen	Roberto Clemente Middle School
J200 Biology			
	1	J209 Rachel Pastel	Parkland Middle School
	1	J221 Sanyukta Deshmukh	Robert Frost Middle School
	1	J249 Griffin Badalamente	Takoma Park Middle School
	1	J263 Siddharth Nayak	Roberto Clemente Middle School
	1	J263 David Zhang	Roberto Clemente Middle School
	2	J203 Sunil Tohan	Roberto Clemente Middle School
	2	J224 Caroline Leng	Roberto Clemente Middle School
	2	J246 Saiteja Tammali	Lakelands Park Middle School
	2	J262 Joshua Chen	Roberto Clemente Middle School
	3	J207 Jennifer Belson	Charles E. Smith Jewish Day School
	3	J222 Chase Martin	Parkland Middle School
	3	J228 Jack Ahrens	Roberto Clemente Middle School
	3	J248 Shraeya Madhu	Roberto Clemente Middle School
	H	J202 Ankita Sharma	Roberto Clemente Middle School
	H	J225 Julio Rivas	Parkland Middle School
	H	J241 Catherine Paxton	Holy Cross School
	H	J251 Everett Eggerman	Holy Cross School
	H	J266 Christina Lingfu	Roberto Clemente Middle School
	H	J268 Andy Li	Roberto Clemente Middle School
J300 Chemistry			
	1	J304 Divya Gandla	Roberto Clemente Middle School
	1	J330 Brianna Velazquez	Roberto Clemente Middle School
	1	J330 Alex Frost	Roberto Clemente Middle School
	1	J352 Tianyi Wu	Roberto Clemente Middle School
	1	J363 Lucy Wilkerson	Holy Cross School
	2	J309 Noa Schisterman	Charles E. Smith Jewish Day School
	2	J321 Julia Condron	Holy Cross School
	2	J331 Rohith Battina	Roberto Clemente Middle School
	2	J343 Andy Guan	Parkland Middle School
	2	J353 Grace Cheung	Roberto Clemente Middle School
	2	J375 Henri Maindidze	Roberto Clemente Middle School
	3	J305 Jessica Bhattacharyya	Roberto Clemente Middle School
	3	J325 Devon Lyons	Holy Cross School
	3	J356 Trishul Nagenalli	Roberto Clemente Middle School
	3	J370 Sanna Madan	Roberto Clemente Middle School
	3	J372 Frederick Xu	Roberto Clemente Middle School
	H	J306 Stuti Ganatra	Roberto Clemente Middle School
	H	J310 Raviteja Kemburu	Roberto Clemente Middle School
	H	J323 Karan Chawla	Roberto Clemente Middle School

H	J326	Nivedhitha Kishore	Parkland Middle School
H	J328	Chimaoge Ibe	St. Andrew Apostle School
H	J332	Kevin Zong	Roberto Clemente Middle School
H	J345	Aidan Knab	Parkland Middle School
H	J347	Emily Zhang	Roberto Clemente Middle School
H	J347	Emily Wang	Roberto Clemente Middle School
H	J351	Cameron Lingenfelter	North Bethesda Middle School
H	J361	Emma Rainard	St. Catherine Laboure School
H	J361	Catherine Estrada	St. Catherine Laboure School
H	J362	Alexa Olivares	Parkland Middle School
H	J365	Anurudh Ganesan	Roberto Clemente Middle School
H	J367	Eleanor Nuckolls	Holy Cross School
H	J369	Soham Sen	Roberto Clemente Middle School
H	J377	Addi Giffin	Roberto Clemente Middle School

J400 Computer Science and Mathematics

1	J410	Suriya Kandaswamy	Roberto Clemente Middle School
2	J404	Jonathan Ni	Roberto Clemente Middle School
3	J403	Aditya Kaliappan	Roberto Clemente Middle School
3	J405	Wally Niu	Roberto Clemente Middle School
3	J407	Eric Li	Roberto Clemente Middle School
3	J407	Hansheng Zhang	Roberto Clemente Middle School
H	J406	Devin Smedira	Roberto Clemente Middle School
H	J411	Alex Trang	Parkland Middle School

J500 Engineering, Presented in Honor of our Past President, Greg Neuschafer

1	J509	Ninad R. Nirgudkar	Roberto Clemente Middle School
1	J530	Nicholas Hopwood	Roberto Clemente Middle School
1	J548	Anish Senapati	Takoma Park Middle School
1	J548	Pranav Tandon	Takoma Park Middle School
1	J565	Diwakar Ganesan	Roberto Clemente Middle School
2	J503	Kalin Vassilev	Takoma Park Middle School
2	J523	Andrew Lent	Roberto Clemente Middle School
2	J525	Joshua Werfel	Parkland Middle School
2	J541	Rachit Agarwal	Roberto Clemente Middle School
2	J571	Juan Morales	St. Catherine Laboure School
3	J506	Brandon On	Parkland Middle School
3	J564	Kyle Fruth	Roberto Clemente Middle School
H	J501	Najma Thomas	Parkland Middle School
H	J510	John Baur	Takoma Park Middle School
H	J521	Jackson Douglas	Roberto Clemente Middle School
H	J527	John Lathrop	Takoma Park Middle School
H	J529	Declan Rickards-Blaeuer	Parkland Middle School
H	J552	Emily Navarro	St. Catherine Laboure School
H	J552	Elizabeth Kaniecki	St. Catherine Laboure School
H	J569	Siddharth Taneja	Robert Frost Middle School

J700 Physics

1	J709	Alex Wilson	North Bethesda Middle School
1	J709	Luca Garcia	North Bethesda Middle School
1	J727	Charles Williams	Roberto Clemente Middle School
1	J742	James Waychoff	Parkland Middle School
1	J767	Avram Conerly	Forcey Christian Middle School
1	J782	Isabelle Homan	Holy Cross School
2	J703	Shreya Singh	Roberto Clemente Middle School
2	J722	Cameron Warffeli	Parkland Middle School
2	J745	Marcus Hibbeln	Sligo Middle School
2	J745	Nathaniel Huson	Sligo Middle School
2	J761	Benjamin Bock	Parkland Middle School
2	J787	Katherine Wu	Takoma Park Middle School
3	J708	James Seeman	Parkland Middle School
3	J725	Simon Liu	Roberto Clemente Middle School
3	J741	Anusha Dixit	Roberto Clemente Middle School
3	J769	Ishan Mundra	Roberto Clemente Middle School
3	J786	Jessica Yin	Roberto Clemente Middle School
H	J704	Richard Wang	Roberto Clemente Middle School
H	J713	David Martirosian	Parkland Middle School
H	J721	Patrick Diaz	St. Catherine Laboure School
H	J721	Matthew Lopez	St. Catherine Laboure School
H	J721	Fernando Cabrera	St. Catherine Laboure School
H	J724	Elise Turner	Parkland Middle School
H	J743	Matthew VanBronkhorst	Roberto Clemente Middle School
H	J746	Sambuddha Chattopadhy	Takoma Park Middle School
H	J748	Anne Christine Schauer	Holy Cross School
H	J763	Amelia Cherian	Roberto Clemente Middle School
H	J765	Ean Eggerman	Holy Cross School
H	J785	Amanda Mutai	Parkland Middle School
H	J789	Karl Zhao	Roberto Clemente Middle School

Community Awards

Presented by Community Organizations in Support of Young Scientists and Engineers

Community Awards			
Presented by Community Organizations in Support of Young Scientists and Engineers			
American Industrial Hygiene Association (AIHA) Potomac Section			
For Achievements in Projects Demonstrating Excellent Industrial Hygiene Practice or Technology			
3rd Place: Certificate and \$100			
	\$509	Luna Homsli	Poolsville High School
2nd Place: Certificate and \$200			
	S305	Maureen Lei	Montgomery Blair High School
1st Place: Certificate and \$300			
	S222	Colin Hambricht	Sherwood High School
	S222	Adam Berger	Sherwood High School
American Institute of Aeronautics & Astronautics (AIAA)			
For Excellent Achievements in Projects in Space and Aviation			
Honorable Mention: Certificate			
	J703	Shreya Singh	Roberto Clemente Middle School
	J708	James Seeman	Parkland Middle School
3rd Place: \$75			
		Invitation to Awards Banquet, one year student membership	
	J709	Alex Wilson	North Bethesda Middle School
	J709	Luca Garcia	North Bethesda Middle School
2nd Place: \$100			
		Invitation to Awards Banquet, one year student membership	
	J356	Trishul Nagenalli	Roberto Clemente Middle School
1st Place - 1 week at Space Camp or Aviation Challenge			
		Invitation to Awards Banquet, one year student membership	
	J523	Andrew Lent	Roberto Clemente Middle School
American Meteorological Society (AMS)-DC Chapter			
For Outstanding Achievement in an Atmospheric or Earth Science			
Junior Certificate and Invitation to AMS-DC Awards Banquet			
	J372	Frederick Xu	Roberto Clemente Middle School
Senior Certificate and Invitation to AMS-DC Awards Banquet			
	S424	Nikita Shalimov	Thomas S. Wootton High School
	S305	Maureen Lei	Montgomery Blair High School
American Physiological Society			
For Outstanding Accomplishment in the Physiological Sciences			
Senior: T-shirt, Pin and Certificate			
	S205	Andrew Zhang	Montgomery Blair High School
Note: Teacher of winning student receives a book and resource packet			
American Nuclear Society; Washington, DC Section			
For Outstanding Achievement in Projects in Nuclear Physics and Technology			
3rd Place Certificate			
	J353	Grace Cheung	Roberto Clemente Middle School
2nd Place Certificate and \$50			
	\$511	Rachel Chang	Poolsville High School
	\$511	Nikita Salker	Poolsville High School
	\$511	Swagata Patnaik	Poolsville High School
1st Place Certificate and \$100; Invitation to Dinner meeting			
	S709	Amit Millo	Walt Whitman High School
American Psychological Association			
Recognizing Outstanding Research Projects in Behavior and Social Science			
Junior Division Certificate			
	J116	Delia Chen	Roberto Clemente Middle School
Senior Division Certificate			
	S101	Briana Applewhite	Sherwood High School
	S101	Evan Schwartz	Sherwood High School
	S101	Jessica Carrera	Sherwood High School

American Society of Mechanical Engineers			
For Outstanding Demonstration of the Principles and Practices of Mechanical Engineering			
3rd Place: Certificate and \$50	S721	Pei-Yi Lin	Poolesville High School
2nd Place: Certificate and Invitation to dinner (\$75 check awarded there)	S503	Caroline Park	Walt Whitman High School
1st Place: Certificate and Invitation to dinner (\$100 check awarded there)	S509	Luna Homsí	Poolesville High School
The ASM Materials Education Foundation--DC Chapter			
Recognizing Outstanding Projects in Materials Science			
Junior Division 1st Place Certificate of Recognition	J501	Najma Thomas	Parkland Middle School
Senior Division: 1st Place Certificate of Recognition	S503	Caroline Park	Walt Whitman High School
Association for Women Geoscientists			
For a Project by a Student for High Standards of Innovation and Excellence in the Geosciences			
Junior Division Certificate of Excellence	J363	Lucy Wilkerson	Holy Cross School
Senior Division Certificate of Excellence	S425	Denise Alving	Poolesville High School
Biophysical Society			
For a senior project demonstrating excellence in biophysics			
Certificate and \$100 Cash Award	S204	Nina Lu	Montgomery Blair High School
Bud Miller Associates, Inc.			
ScienceMONTGOMERY Award for projects in the Senior Division Demonstrating Excellence in Scientific Exposition			
Certificate and Medal	S403	Anirudh Gubba	Poolesville High School
	S421	Jennifer Gagner	Winston Churchill High School
	S423	Vinay Sriram	Poolesville High School
	S701	Yogith Tupakula	Poolesville High School
	S701	Elan Guzman	Poolesville High School
	S701	Mugeet Ahmad	Poolesville High School
	S706	Leo Hendricks	Poolesville High School
	S707	Shanta Murthy	Poolesville High School
	S721	Pei-Yi Lin	Poolesville High School
	S710	Saimouli Katragadda	Gaithersburg High School
	S722	Archis Sathe	Poolesville High School
	S724	Jason Luu	Poolesville High School
	S728	Adarsh Bindiganavele	Poolesville High School
	S728	Prajwal Keranahalli	Poolesville High School
	S244	Trinish Chatterjee	Richard Montgomery High School
	S264	Sushmitha Tamilselvan	Rockville High School
	S308	Navya Nanda	Poolesville High School
	S308	Meera Krishnamoorthy	Poolesville High School
	S309	Caleb Fan	Poolesville High School
	S311	Caroline Greer	Poolesville High School
	S311	Grace Zhang	Poolesville High School
	S312	John Hartwell	Poolesville High School
	S312	Jeffrey Wang	Poolesville High School
	S245	Kyle Starost	Magruder High School
	S245	Waliullah Rifai	Magruder High School
	S266	Mohamed Keita	Gaithersburg High School
	S301	Katherine Brizzolara	Walter Johnson High School
	S304	Sharon Wu	Thomas S. Wootton High School
	S265	Emma Poe-Yamagata	Sherwood High School
	S265	Amanda Tomlinson	Sherwood High School

Broadcom MASTERS (DO NOT READ)			
		For middle school projects demonstrating excellence in Math, Applied Science, Technology, and Engineering	
Nomination to compete in Broadcom MASTERS national competition			
	J509	Ninad R. Nirgudkar	Roberto Clemente Middle School
	J742	James Waychoff	Parkland Middle School
	J530	Nicholas Hopwood	Roberto Clemente Middle School
	J209	Rachel Pastel	Parkland Middle School
	J410	Suriya Kandaswamy	Roberto Clemente Middle School
	J548	Anish Senapati	Takoma Park Middle School
	J548	Pranav Tandon	Takoma Park Middle School
	J782	Isabelle Homan	Holy Cross School
	J767	Avram Conerly	Forcey Christian Middle School
	J263	Siddharth Nayak	Roberto Clemente Middle School
	J263	David Zhang	Roberto Clemente Middle School
	J249	Griffin Badalamente	Takoma Park Middle School
	J304	Divya Gandla	Roberto Clemente Middle School
	J352	Tianyi Wu	Roberto Clemente Middle School
	J565	Diwakar Ganesan	Roberto Clemente Middle School
	J221	Sanyukta Deshmukh	Robert Frost Middle School
	J727	Charles Williams	Roberto Clemente Middle School
	J363	Lucy Wilkerson	Holy Cross School
	J114	Azeem Mohammed	Roberto Clemente Middle School
	J330	Brianna Velazquez	Roberto Clemente Middle School
	J330	Alex Frost	Roberto Clemente Middle School
	J709	Alex Wilson	North Bethesda Middle School
	J709	Luca Garcia	North Bethesda Middle School
Central Intelligence Agency (PLEASE STAND ONLY)			
		For Projects in the Senior Division in Technologies of National Interest	
Invitation to Awards Ceremony and Tour of CIA Headquarters			
	S222	Colin Hambright	Sherwood High School
	S222	Adam Berger	Sherwood High School
	S301	Katherine Brizzolara	Walter Johnson High School
	S503	Caroline Park	Walt Whitman High School
	S308	Navya Nanda	Poolsville High School
	S308	Meera Krishnamoorthy	Poolsville High School
	S402	Toby Kang	Winston Churchill High School
	S201	Daniel Cheng	Richard Montgomery High School
	S501	Brandon Grinkemeyer	Poolsville High School
	S510	Jack Zhu	Poolsville High School
	S401	Dhruv Shankar	Poolsville High School
	S404	Pavleen Thukral	Poolsville High School
	S408	Shubham Chattopadhyay	Montgomery Blair High School
	S423	Vinay Sriram	Poolsville High School
	S508	Jacob Glueck	Thomas S. Wootton High School
Chemical Society of Washington			
		For Excellence in Chemistry	
	S301	Katherine Brizzolara	Walter Johnson High School
		For Excellence in Green Chemistry	
	S305	Maureen Lei	Montgomery Blair High School
Clean Air Partners			
		For Best Project Addressing Air Pollution or Climate Change	
	\$50 Award		
	S305	Maureen Lei	Montgomery Blair High School

Discovery Education 3M Young Scientist Challenge (DO NOT READ)			
To 6-8th Grade Students for Knowledge of and Ability to Communicate Effectively about Science			
Certificate of Excellence and Entry to National Competition will be Presented to Winners of Each Category in Junior Division			
	J509	Ninad R. Nirgudkar	Roberto Clemente Middle School
	J742	James Waychoff	Parkland Middle School
	J530	Nicholas Hopwood	Roberto Clemente Middle School
	J209	Rachel Pastel	Parkland Middle School
	J410	Suriya Kandaswamy	Roberto Clemente Middle School
	J548	Anish Senapati	Takoma Park Middle School
	J548	Pranav Tandon	Takoma Park Middle School
	J782	Isabelle Homan	Holy Cross School
	J767	Avram Conerly	Forcey Christian Middle School
	J263	Siddharth Nayak	Roberto Clemente Middle School
	J263	David Zhang	Roberto Clemente Middle School
	J249	Griffin Badalamente	Takoma Park Middle School
	J304	Divya Gandla	Roberto Clemente Middle School
	J352	Tianyi Wu	Roberto Clemente Middle School
	J565	Diwakar Ganesan	Roberto Clemente Middle School
	J221	Sanyukta Deshmukh	Robert Frost Middle School
	J727	Charles Williams	Roberto Clemente Middle School
	J363	Lucy Wilkerson	Holy Cross School
	J114	Azeem Mohammed	Roberto Clemente Middle School
	J330	Brianna Velazquez	Roberto Clemente Middle School
	J330	Alex Frost	Roberto Clemente Middle School
	J709	Alex Wilson	North Bethesda Middle School
	J709	Luca Garcia	North Bethesda Middle School
Friends of Agricultural Research--Beltsville (FAR-B)-in biology, environmental sciences, and microbiology/medical For Excellent Junior Projects			
3rd Place: Certificate of Merit and \$10 gift certificate			
	J224	Caroline Leng	Roberto Clemente Middle School
	J369	Soham Sen	Roberto Clemente Middle School
	J375	Henri Mainidize	Roberto Clemente Middle School
2nd Place: Certificate of Merit and \$20 gift certificate			
	J209	Rachel Pastel	Parkland Middle School
	J246	Saiteja Tammali	Lakelands Park Middle School
	J377	Addi Giffin	Roberto Clemente Middle School
1st Place: Certificate of Merit and \$30 gift certificate			
	J406	Devin Smedira	Roberto Clemente Middle School
	J221	Sanyukta Deshmukh	Robert Frost Middle School
	J372	Frederick Xu	Roberto Clemente Middle School
GENIUS OLYMPIAD			
For Projects Dedicated to the Protection and Improvement of the Environment			
Nomination to compete in the SUNY Oswego GENIUS OLYMPIAD			
	S222	Colin Hambright	Sherwood High School
	S222	Adam Berger	Sherwood High School
	S305	Maureen Lei	Montgomery Blair High School
Geological Society of Washington			
For Excellence in Earth Science			
Junior Division: Certificate			
	J377	Addi Giffin	Roberto Clemente Middle School
	J363	Lucy Wilkerson	Holy Cross School
Third Place: Certificate, Letter, and Ribbon			
	J742	James Waychoff	Parkland Middle School
Second Place: Certificate, Letter, and Ribbon			
	J371	Riley Wilburn	Roberto Clemente Middle School
First Place Junior: Certificate, Letter, Ribbon and invitation to present project at a GSW Meeting			
	J247	Nihar Gupte	Roberto Clemente Middle School
Senior Division: Certificate			
	S425	Denise Alving	Poolsville High School
Third Place: Certificate, Letter, and Ribbon			
	S704	Huy Lam	Poolsville High School
Second Place: Certificate, Letter and Ribbon			
	S424	Nikita Shalimov	Thomas S. Wootton High School
First Place Senior: Certificate, Letter, Ribbon and invitation to present project at a GSW Meeting			
	S305	Maureen Lei	Montgomery Blair High School

Intel Excellence in Computer Science Award			
For Excellence in the Use of Computer Technology in the Senior Division			
2 Awards in the Senior Division: Certificate of Achievement and \$200			
	S404	Pavleen Thukral	Poolesville High School
	S423	Vinay Sriram	Poolesville High School
I-SWEEP: International Sustainable World (Engineering, Energy, Environment) Project Olympiad			
For Outstanding Projects in Environmental Sustainability and Innovation			
Senior: Sustainability Award and Invitation to Apply to Participate in 2012 Olympiad			
	S503	Caroline Park	Walt Whitman High School
Senior: Outstanding Sustainability Award and Invitation to Participate in 2012 Olympiad			
	S222	Collin Hambright	Sherwood High School
	S222	Adam Berger	Sherwood High School
Izaak Walton League of America			
For projects focusing on conservation			
Junior: Certificate, gifts, and one year membership in Izaak Walton League			
	J209	Rachel Pastel	Parkland Middle School
MIT Club of Washington, D.C.			
For 11th Grade Projects			
Demonstrating Excellence in Life or Physical Science, Engineering, Mathematics, or Computer Science			
Honorable Mention: Certificate of Excellence and Subscription to MIT Technology Review			
	S705	David Zhang	Richard Montgomery High School
First Place: Certificate, \$150, and Subscription to MIT Technology Review			
	S265	Emma Poe-Yamagata	Sherwood High School
	S265	Amanda Tomlinson	Sherwood High School
MRIGlobal			
For Outstanding Achievement in Life Sciences			
Junior: Certificate and \$75 Award			
	J262	Joshua Chen	Roberto Clemente Middle School
Senior: Certificate and \$100 Award			
	S201	Daniel Cheng	Richard Montgomery High School
MedImmune Advancing Science for Better Health Award			
Best Individual Project with Biological Relevance to the Causes, Treatment and Prevention of Human Disease			
Exemplifying Values Core to MedImmune Philosophy; High Integrity, Strong Work Ethic, Entrepreneurial Spirit and Collaborator			
1st Place Alternate (PLEASE STAND ONLY)			
	S242	Ziyao Wang	Montgomery Blair High School
1st Place: 6-week Paid Internship at MedImmune, \$100 and a plaque (COME UP)			
	S221	Eric Keen	Home Schooled
Mu Alpha Theta			
For Challenging, Original, Thorough and Creative Investigation of Problems Involving Modern Mathematics			
2 Certificates of Achievement in the Senior division			
	S510	Jack Zhu	Poolesville High School
	S404	Pavleen Thukral	Poolesville High School
National Capital Astronomers			
For Projects Demonstrating Excellence in Astronomy (PLEASE STAND ONLY)			
Certificate; One year membership in NCA; One year subscription to Sky and Telescope magazine;			
Invitation to present project at Annual Meeting			
	J742	James Waychoff	Parkland Middle School
	S705	David Zhang	Richard Montgomery High School
	S704	Huy Lam	Poolesville High School

National Oceanic and Atmospheric Administration (NOAA)			
For Research That Helps Understand and Predict Changes in Earth's Environment, and Conserve and Manage Natural Resources			
Junior Division: Certificate of Honor and Medallion			
	J370	Sanna Madan	Roberto Clemente Middle School
Senior Division: Certificate of Honor and Medallion			
	S266	Mohamed Keita	Gaithersburg High School
National Society of Professional Engineers			
For Projects Demonstrating Innovative Engineering			
Junior Division: Certificate of Honor and Lapel Pin			
	J509	Ninad R. Nirgudkar	Roberto Clemente Middle School
Senior Division: Certificate of Honor and Lapel Pin			
	S510	Jack Zhu	Poolsville High School
Naval Research Lab			
For Excellence in Engineering			
Junior Division: Rail Gun Target Plate			
	J722	Cameron Warffeli	Parkland Middle School
Senior Division: Naval Rail Gun Hat			
	S510	Jack Zhu	Poolsville High School
Office of Naval Research			
For Achievement in Science or Technology			
Six Junior Division prizes: Certificate and Medallion			
	J509	Ninad R. Nirgudkar	Roberto Clemente Middle School
	J370	Sanna Madan	Roberto Clemente Middle School
	J503	Kalin Vassilev	Takoma Park Middle School
	J230	Alicia Gordon	Roberto Clemente Middle School
	J109	Harish Kumar	Roberto Clemente Middle School
	J541	Rachit Agarwal	Roberto Clemente Middle School
Three Senior Division prizes: Certificate, Medallion, and a \$50 gift certificate			
	S204	Nina Lu	Montgomery Blair High School
	S242	Ziyao Wang	Montgomery Blair High School
	S721	Pei-Yi Lin	Poolsville High School
Optical Society of America, National Capital Section/IEEE Photonics			
For Achievement in Optics and Photonics (PLEASE STAND ONLY)			
Junior Division: Certificate			
	J767	Avram Conerly	Forces Christian Middle School
Senior Division: Certificate			
	S508	Jacob Glueck	Thomas S. Wootton High School
	S705	David Zhang	Richard Montgomery High School
	S421	Jennifer Gagner	Winston Churchill High School
Ricoh Sustainable Development Award			
For Outstanding Projects Addressing the Potential for Increasing Our Ability to Grow Environmentally Friendly and Socially Responsible Businesses			
Junior Division: Certificate			
	J203	Sunil Tohan	Roberto Clemente Middle School
Senior Division: Certificate			
	S710	Saimouli Katragadda	Gaithersburg High School
Rockville Rotary Club			
For Best Projects in Air Quality and Energy Technology (PLEASE STAND ONLY)			
1st Place Junior: Certificate, \$100, and invitations to Rotary luncheon			
	J561	Dhruv Patel	Parkland Middle School
1st Place Senior: Certificate \$100, and invitations to Rotary luncheon			
	S305	Maureen Lei	Montgomery Blair High School

Rockville Science Center				
			For Middle School Projects Demonstrating Excellence in the Communication of Science	
	Honorable Mention			
		J109	Harish Kumar	Roberto Clemente Middle School
		J243	Anthony Estime	St. Andrew Apostle School
		J243	Matteo Patzy	St. Andrew Apostle School
		J407	Eric Li	Roberto Clemente Middle School
		J407	Hansheng Zhang	Roberto Clemente Middle School
		J262	Joshua Chen	Roberto Clemente Middle School
	3rd Place			
		J116	Delia Chen	Roberto Clemente Middle School
		J226	Jonathan D'Alessio	Forcey Christian Middle School
		J226	Zuriel Herran	Forcey Christian Middle School
		J403	Aditya Kaliappan	Roberto Clemente Middle School
	2nd Place			
		J108	Brittany Menjivar	Holy Cross School
		J224	Caroline Leng	Roberto Clemente Middle School
		J406	Devin Smedira	Roberto Clemente Middle School
	1st Place			
		J107	Lainey Reed	Roberto Clemente Middle School
		J209	Rachel Pastel	Parkland Middle School
		J410	Suriya Kandaswamy	Roberto Clemente Middle School
Sigma Xi, NIST Chapter				
			For Excellence in Measurement Science (PLEASE STAND ONLY)	
	Measurement Science Award			
		S308	Navya Nanda	Poolsville High School
		S308	Meera Krishnamoorthy	Poolsville High School
Society of Manufacturing Engineers--Chapter 48				
			For Excellence in Research Advancing Manufacturing Knowledge	
	Junior Division:			
	3rd Place: \$25 check, book, and certificate			
		J523	Andrew Lent	Roberto Clemente Middle School
	2nd Place: \$50 check, book, and certificate			
		J570	Louison Sall	North Bethesda Middle School
		J570	Mollie Stern	North Bethesda Middle School
	1st Place: \$100 check, book, and certificate			
		J503	Kalin Vassilev	Takoma Park Middle School
	Senior Division:			
	3rd place \$ 25 check, book and certificate			
		S501	Brandon Grinkemeyer	Poolsville High School
	2nd place \$ 50 check, book and certificate			
		S503	Caroline Park	Walt Whitman High School
	1st place \$ 100 check, book and certificate			
		S508	Jacob Glueck	Thomas S. Wootton High School
Society for In Vitro Biology				
			For 11th Grade Projects Demonstrating Excellent Research in Plant or Animal in vitro Biology or Tissue Culture	
	Certificate of Outstanding Achievement			
		S201	Daniel Cheng	Richard Montgomery High School
Stockholm Junior Water Prize				
			For Excellence in Water Research	
	Six Certificates:			
	Invitation to compete at the State, National and International levels			
	Junior Division:			
		J203	Sunil Tohan	Roberto Clemente Middle School
		J372	Frederick Xu	Roberto Clemente Middle School
		J376	Cameron Reed	Parkland Middle School
		J405	Wally Niu	Roberto Clemente Middle School
	Senior Division:			
		S222	Colin Hambright	Sherwood High School
		S222	Adam Berger	Sherwood High School

Team Results USA		For Best Projects in Air Quality and Energy Technology (PLEASE STAND ONLY)	
1st Place: Certificate, \$100, and Invitation to Rotary Club of Rockville luncheon and to participate in leadership program			
	S272	Nadja Bzhilyanskaya	Poolesville High School
U.S. Airforce		For Excellence in Science and Engineering	
Junior Division: 6 Awards: Certificate			
	J347	Emily Zhang	Roberto Clemente Middle School
	J347	Emily Wang	Roberto Clemente Middle School
	J210	Shahzaade Bledsoe	Parkland Middle School
	J334	Mindy Hernandez	Parkland Middle School
	J350	Austin Grinkemeyer	Roberto Clemente Middle School
	J366	Seungkyoon Bong	Roberto Clemente Middle School
	J351	Cameron Lingenfelter	North Bethesda Middle School
Senior Division:			
2 Awards: Certificate, Presentation Folder			
	S501	Brandon Grinkemeyer	Poolesville High School
	S265	Emma Poe-Yamagata	Sherwood High School
	S265	Amanda Tomlinson	Sherwood High School
4 Awards: Victory Sport Bag, Certificate, Sonic Sound Speaker, Focus Junior Tech Organizer			
	S423	Vinay Sriram	Poolesville High School
	S503	Caroline Park	Walt Whitman High School
	S204	Nina Lu	Montgomery Blair High School
	S242	Ziyao Wang	Montgomery Blair High School
U.S. Army - Research Office		For Scientific Excellence in the Senior Division	
20 Honorable Mention: Certificate			
	S101	Briana Applewhite	Sherwood High School
	S101	Evan Schwartz	Sherwood High School
	S101	Jessica Carrera	Sherwood High School
	S201	Daniel Cheng	Richard Montgomery High School
	S204	Nina Lu	Montgomery Blair High School
	S269	Prusse Kakpovi	Montgomery Blair High School
	S301	Katherine Brizzolara	Walter Johnson High School
	S401	Dhruv Shankar	Poolesville High School
	S271	Yini Qi	Thomas S. Wootton High School
	S406	Ayush Goyal	Poolesville High School
	S406	André Guzmán	Poolesville High School
	S406	Aakarshan Bhardwaj	Poolesville High School
	S410	Derek Zhang	Poolesville High School
	S410	Jesse Lee	Poolesville High School
	S423	Vinay Sriram	Poolesville High School
	S502	James Baur	Wheaton High School
	S504	Mughil Muthupari	Poolesville High School
	S510	Jack Zhu	Poolesville High School
	S705	David Zhang	Richard Montgomery High School
	S709	Amit Millo	Walt Whitman High School
8 Awards : Certificate of Achievement, Presentation Folder, and Messenger Bag			
	S707	Shanta Murthy	Poolesville High School
	S421	Jennifer Gagner	Winston Churchill High School
	S246	Jaykar Nayeck	Walt Whitman High School
	S305	Maureen Lei	Montgomery Blair High School
	S404	Pavleen Thukral	Poolesville High School
	S722	Archis Sathe	Poolesville High School
	S222	Colin Hambright	Sherwood High School
	S222	Adam Berger	Sherwood High School
2 Awards 1st Prize: Certificate of Achievement, Presentation Folder, Messenger Bag, and Medallion			
	S402	Toby Kang	Winston Churchill High School
	S508	Jacob Glueck	Thomas S. Wootton High School

U.S. Metric Association			
For Best Use of the SI Metric System for a Significant Amount of Quantitative Measurement			
2 Awards Junior Division: Certificate			
	J529	Declan Rickards-Blaeuer	Parkland Middle School
	J786	Jessica Yin	Roberto Clemente Middle School
2 Awards Senior Division: Certificate			
	S510	Jack Zhu	Poolesville High School
	S514	Dave Qin	Poolesville High School
U.S. Nuclear Regulatory Commission			
For Outstanding Projects in Nuclear Science or Engineering (PLEASE STAND ONLY)			
Juniors			
3rd Place Certificate of Recognition			
	J511	Maristela Romero	Roberto Clemente Middle School
2nd Place Certificate of Recognition			
	J309	Noa Schisterman	Charles E. Smith Jewish Day School
1st Place Certificate of Recognition			
	J404	Jonathan Ni	Roberto Clemente Middle School
Seniors:			
3rd Place Certificate of Recognition			
	S502	James Baur	Wheaton High School
2nd Place Certificate of Recognition			
	S709	Amit Millo	Walt Whitman High School
1st Place Certificate of Recognition			
	S406	Ayush Goyal	Poolesville High School
	S406	André Guzmán	Poolesville High School
	S406	Aakarshan Bhardwaj	Poolesville High School
U.S. Public Health Service - Commissioned Officers Association			
For Outstanding Projects in Health-related Research			
Meritorious Achievement: Medal and Certificate			
	S423	Vinay Sriram	Poolesville High School
	S205	Andrew Zhang	Montgomery Blair High School
	S249	Melodi Anahtar	Montgomery Blair High School
	S262	Connie Yeung	Thomas S. Wootton High School
	S245	Kyle Starost	Magruder High School
	S245	Waliullah Rifai	Magruder High School
	S204	Nina Lu	Montgomery Blair High School
	S428	Andrew Wang	Poolesville High School
	S265	Emma Poe-Yamagata	Sherwood High School
	S265	Amanda Tomlinson	Sherwood High School
	S242	Ziyao Wang	Montgomery Blair High School
	S228	Evan Horne	Montgomery Blair High School
	S203	Srividya Murthy	Montgomery Blair High School
	S201	Daniel Cheng	Richard Montgomery High School
	S511	Rachel Chang	Poolesville High School
	S511	Nikita Salker	Poolesville High School
	S511	Swagata Patnaik	Poolesville High School
	S421	Jennifer Gagner	Winston Churchill High School
	S101	Briana Applewhite	Sherwood High School
	S101	Evan Schwartz	Sherwood High School
	S101	Jessica Carrera	Sherwood High School
	S226	Sherman Leung	Montgomery Blair High School
	S225	Tiffany Wong	Poolesville High School
	S510	Jack Zhu	Poolesville High School
3rd Place Distinguishing Achievement			
	S406	Ayush Goyal	Poolesville High School
	S406	André Guzmán	Poolesville High School
	S406	Aakarshan Bhardwaj	Poolesville High School
2nd Place Distinguishing Achievement			
	S221	Eric Keen	Home Schooled
	S271	Yini Qi	Thomas S. Wootton High School
1st Place Distinguishing Achievement			
	S508	Jacob Glueck	Thomas S. Wootton High School

Washington Statistical Society				
		For Excellence in the Investigation or Use of Statistical Methods		
Honorable Mention: Certificates of Excellence				
	J116	Delia Chen		Roberto Clemente Middle School
	S271	Yini Qi		Thomas S. Wootton High School
	S428	Andrew Wang		Poolsville High School
	S727	Matthew Yung		Thomas S. Wootton High School
Two 2nd Place prizes: Statistics book, Subscription to "Significance" magazine, Certificate				
	J104	Ron Yutin		Roberto Clemente Middle School
	S404	Pavleen Thukral		Poolsville High School
1st Place: \$150, Subscription to "Significance" magazine, Certificate				
	S243	James Shepherdson		Montgomery Blair High School
Winston Churchill High School Young Women in Biology				
		For Students in the Junior Fair		
		Demonstrating Excellence in Scientific Research		
Honorable Mention: Certificate				
	J202	Ankita Sharma		Roberto Clemente Middle School
	J241	Catherine Paxton		Holy Cross School
First Place: Certificate and \$50				
	J248	Shraeya Madhu		Roberto Clemente Middle School
Yale Science & Engineering Assoc. Inc.				
		For the Most Outstanding 11th Grade Student from the Areas of		
		Computer Science, Engineering, Physics or Chemistry		
2 Awards: Certificate of Merit and Medallion				
	S302	Rahul Navale		Sherwood High School
	S705	David Zhang		Richard Montgomery High School