

Award Winners from the 55th Anniversary  
*Science MONTGOMERY*  
The 2011 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 8-13 2011 in Los Angeles, CA and \$250 Award

|  |                 |                                    |
|--|-----------------|------------------------------------|
| Physics  | Daniel Liss     | Charles E. Smith Jewish Day School |
| <b>Holography Reengineered: Look No Lasers</b>   |                 |                                    |
| Engineering  | Austin Duff     | Gaithersburg High School           |
| <b>Investigation Of Robotic Artificial Intelligence And Decision Making</b>  |                 |                                    |
| Biology  | Grace Zhang     | Poolesville High School            |
| <b>The Role Of Schizophrenia Suceptible Gene Kcnh2 On Synaptogenesis</b>   |                 |                                    |
| Earth and<br>Space Science   | Julia Cline     | Walt Whitman High School           |
| <b>The Networks Of The Earth's Magnetosphere</b>   |                 |                                    |
| 1st Runner Up: \$100 Cash and First Alternate for trip to ISEF   |                 |                                    |
| Medicine and<br>Health   | Evguenia Morgun | Walter Johnson High School         |
| <b>Association Of Brain-derived Neurotrophic Factor Single Nucleotide Polymorphisms<br/>With Higher Body Mass Index And Altered Transcription Factor Binding</b> |                 |                                    |
| 2nd Runner Up: \$100 Cash and Second Alternate for trip to ISEF  |                 |                                    |
| Biochemistry   | Shilpa Kannan   | Montgomery Blair High School       |
| <b>Identification Of Essential Glycoprotein Structures And Their Implications In The Treatment Of Genetic Disorders</b>  |                 |                                    |

**Category Winners in the Senior Division**

**First Prizes: \$175 and Certificate**

**Second Prizes: \$75 and Certificate**

**Third Prizes: \$40 and Certificate**

**Teams Share Awards**

**Honorable Mention: Certificates**

|             | <b>PROJ.</b>   | <b>Name</b>               | <b>SCHOOL</b>                    |
|-------------|--|---------------------------|----------------------------------|
| <b>S100</b> | <b>Behavioral and Social Sciences presented in honor of our past president, Dr. Pepper Buckley</b>   |                           |                                  |
|             | 1  | S112 Alyssa Lesho         | Sherwood High School             |
|             | 1  | S112 Demetra Tzamaras     | Sherwood High School             |
|             | 1  | S112 Ashley Singh         | Sherwood High School             |
|             | 2  | S113 Abhas Arya           | Bethesda-Chevy Chase High School |
|             | 2  | S113 Amir Alwali          | Bethesda-Chevy Chase High School |
|             | 3  | S111 Isha Agarwal         | Thomas S. Wootton High School    |
|             | 3  | S107 Caitlin Kyber        | Sherwood High School             |
|             | 3  | S107 Emily Hughes         | Sherwood High School             |
|             | 3  | S107 Sara Sabry           | Sherwood High School             |
|             | H  | S101 Jenny Lee            | Sherwood High School             |
|             | H  | S101 Kristine Kim         | Sherwood High School             |
|             | H  | S101 Gyyoung Oh           | Sherwood High School             |
|             | H  | S104 Rebecca Stussman     | Sherwood High School             |
|             | H  | S104 Jackie Weiss         | Sherwood High School             |
|             | H  | S105 Olyvia Sanchez       | Sherwood High School             |
|             | H  | S105 Elaine Bell          | Sherwood High School             |
|             | H  | S109 Jhansi Katakam       | Thomas S. Wootton High School    |
|             | H  | S106 Adam Zhao            | Sherwood High School             |
|             | H  | S102 Elizabeth Franco     | Sherwood High School             |
|             | H  | S102 Irene Fobe           | Sherwood High School             |
| <b>S200</b> | <b>Biochemistry Category--presented this year with special thanks to our \$5000 Titanium Sponsor</b> |                           |                                  |
|             | <b>Human Genome Sciences. Great Science. Great Medicine. Battling Serious Disease</b>                |                           |                                  |
|             | 1  | S208 Shilpa Kannan        | Montgomery Blair High School     |
|             | 2  | S207 Justin Muste         | Thomas S. Wootton High School    |
|             | H  | S201 Annie Lin            | Walter Johnson High School       |
| <b>S300</b> | <b>Biology Category--presented this year with special thanks to our \$5000 Titanium</b>              |                           |                                  |
|             | <b>Sponsor, the Unither Family of Companies: "Medicines for Life"</b>                                |                           |                                  |
|             | 1  | S302 Grace Zhang          | Poolesville High School          |
|             | H  | S303 Xiangxi Gao          | Walter Johnson High School       |
| <b>S400</b> | <b>Chemistry</b>   |                           |                                  |
|             | 1  | S404 Kuo-Kai Chin         | Walter Johnson High School       |
|             | 2  | S407 Lori Kaufman         | Montgomery Blair High School     |
|             | H  | S405 Jee-Eun Rosaline Rho | Bullis School                    |
|             | H  | S406 Rahul Menon          | Poolesville High School          |
|             | H  | S406 Dhruv Shankar        | Poolesville High School          |
| <b>S500</b> | <b>Computer Science</b>  |                           |                                  |
|             | 1  | S504 Russell McQueeney    | Winston Churchill High School    |
|             | H  | S501 Vinay Sriram         | Poolesville High School          |
|             | H  | S502 Ann Choi             | Montgomery Blair High School     |
|             | H  | S503 Matthew Du           | Thomas S. Wootton High School    |
| <b>S600</b> | <b>Earth and Space Science</b>   |                           |                                  |
|             | 1  | S602 Julia Cline          | Walt Whitman High School         |

|              |  |       |                            |                                    |
|--------------|--|-------|----------------------------|------------------------------------|
|              | 2  | S601  | David Zhang                | Richard Montgomery High School     |
| <b>S700</b>  | <b>Engineering Category-presented this year with special thanks to our \$5000 Titanium Sponsor, Northrop Grumman, "Defining the Future".</b>                     |       |                            |                                    |
|              | 1  | S704  | Austin Duff                | Gaithersburg High School           |
|              | H  | S705  | James Baur                 | Wheaton High School                |
|              | H  | S706  | Divya Sahajwalla           | Thomas S. Wootton High School      |
| <b>S800</b>  | <b>Environmental Sciences</b>  |       |                            |                                    |
|              | 1  | S803  | Kelly Kendall              | Sherwood High School               |
|              | 1  | S803  | Stephanie Golding          | Sherwood High School               |
|              | H  | S802  | Katarina Niedermair        | Sherwood High School               |
|              | H  | S802  | Nicole Jakobowski          | Sherwood High School               |
|              | H  | S804  | Gibran Mangui              | Thomas S. Wootton High School      |
| <b>S900</b>  | <b>Mathematics</b>   |       |                            |                                    |
|              | 1  | S902  | Christopher Hazard         | Winston Churchill High School      |
|              | H  | S901  | Pushkar Aggarwal           | Poolesville High School            |
| <b>S1000</b> | <b>Medicine and Health Category--presented this year with special thanks to our \$15,000 Platinum Sponsor, MedImmune: "Advancing Science for Better Health."</b> |       |                            |                                    |
|              | 1  | S1020 | Llewellyn Smith            | Walt Whitman High School           |
|              | 1  | S1011 | Evguenia Morgun            | Walter Johnson High School         |
|              | 2  | S1019 | Maureen Lei                | Montgomery Blair High School       |
|              | 3  | S1001 | Melodi Anahtar             | Montgomery Blair High School       |
|              | 3  | S1008 | Padmavathi Tipparaju       | Thomas S. Wootton High School      |
|              | 3  | S1009 | Ziyao Wang                 | Montgomery Blair High School       |
|              | 3  | S1017 | Kevin Tyan                 | Walt Whitman High School           |
|              | H  | S1022 | Kira Finkel                | Bethesda-Chevy Chase High School   |
|              | H  | S1016 | Scott Hallock              | Winston Churchill High School      |
|              | H  | S1013 | Ajay Kannan                | Montgomery Blair High School       |
|              | H  | S1003 | Claire Wortmann            | Sherwood High School               |
|              | H  | S1003 | Elizabeth Scanlon          | Sherwood High School               |
|              | H  | S1003 | Phanna Iamlek              | Sherwood High School               |
| <b>S1100</b> | <b>Microbiology</b>  |       |                            |                                    |
|              | 1  | S1101 | Daniel Frank               | Sherwood High School               |
|              | 1  | S1101 | Tin Lok Wong               | Sherwood High School               |
|              | 1  | S1101 | Paul Szewczyk              | Sherwood High School               |
|              | 2  | S1102 | Kyle Starost               | Col. Zadok Magruder High School    |
|              | 2  | S1103 | Tiffany Le                 | Poolesville High School            |
| <b>S1200</b> | <b>Physics presented this year in honor of our past treasurer, Dr. Jay Buckley</b>   |       |                            |                                    |
|              | 1  | S701  | Daniel Liss                | Charles E. Smith Jewish Day School |
|              | 2  | S1202 | Jinhie Skarda              | Montgomery Blair High School       |
|              | 3  | S1208 | Raja Ratna Murthy Ayyagari | Poolesville High School            |
|              | 3  | S1201 | Andrew Das Sarma           | Montgomery Blair High School       |
|              | H  | S1203 | Justin Yu                  | Montgomery Blair High School       |
|              | H  | S1205 | Katherine Brizzolara       | Walter Johnson High School         |
|              | H  | S1209 | Adam Hurwitz               | Thomas S. Wootton 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**

|   | <b>PROJ. NO.</b> | <b>Name</b>             | <b>SCHOOL</b>                      |
|---|------------------|-------------------------|------------------------------------|
| <b>J100 Behavioral and Social Sciences presented in honor of our past president, Dr. Pepper Buckley</b>   |                  |                         |                                    |
|   | <b>1</b>         | J103 Aditya Kaliappan   | Roberto Clemente Middle School     |
|   | <b>2</b>         | J104 Catherine Paxton   | Holy Cross School                  |
|   | <b>3</b>         | J107 Bennet McGlade     | Newport Mill Middle School         |
|   | <b>3</b>         | J107 Nelson Le          | Newport Mill Middle School         |
|   | <b>3</b>         | J107 Jenna Pastel       | Newport Mill Middle School         |
|   | <b>3</b>         | J106 Brittany Menjivar  | Holy Cross School                  |
|   | <b>H</b>         | J101 Lipi Agrawal       | Roberto Clemente Middle School     |
|   | <b>H</b>         | J105 Devon Lyons        | Holy Cross School                  |
| <b>J200 Biochemistry Category--presented this year with special thanks to our \$5000 Titanium Sponsor, Human Genome Sciences. Great Science. Great Medicine. Battling Serious Disease</b> |                  |                         |                                    |
|   | <b>1</b>         | J205 Siddharth Nayak    | Roberto Clemente Middle School     |
|   | <b>2</b>         | J201 Sarah Wagner       | Takoma Park Middle School          |
|   | <b>2</b>         | J203 Grace Cheung       | Roberto Clemente Middle School     |
|   | <b>3</b>         | J202 Anthony Li         | Takoma Park Middle School          |
|   | <b>3</b>         | J207 Jacob Wagner       | Herbert Hoover Middle School       |
|   | <b>H</b>         | J213 Trinish Chatterjee | Roberto Clemente Middle School     |
|   | <b>H</b>         | J208 Ellin Hu           | Roberto Clemente Middle School     |
|   | <b>H</b>         | J211 Grace Koo          | Forcey Christian Middle School     |
|   | <b>H</b>         | J211 Yelim Chu          | Forcey Christian Middle School     |
|   | <b>H</b>         | J212 Cameron Jones      | Parkland Middle School             |
| <b>J300 Biology Category--presented this year with special thanks to our \$5000 Titanium Sponsor, the Unither Family of Companies: "Medicines for Life"</b>                               |                  |                         |                                    |
|   | <b>1</b>         | J302 Julia Condron      | Holy Cross School                  |
|   | <b>2</b>         | J317 Xinquan Tian       | Roberto Clemente Middle School     |
|   | <b>3</b>         | J311 Rachel McIntyre    | John H. Poole Middle School        |
|   | <b>H</b>         | J303 Amarachi Ibe       | St. Andrew Apostle School          |
|   | <b>H</b>         | J304 Angela Park        | Takoma Park Middle School          |
|   | <b>H</b>         | J316 Amy Borton         | Takoma Park Middle School          |
|   | <b>H</b>         | J318 John Baur          | Takoma Park Middle School          |
| <b>J400 Chemistry</b>   |                  |                         |                                    |
|   | <b>1</b>         | J434 Nina Simpkins      | Charles E. Smith Jewish Day School |
|   | <b>1</b>         | J430 Sam Steingard      | Roberto Clemente Middle School     |
|   | <b>1</b>         | J430 Ron Domingo        | Roberto Clemente Middle School     |
|   | <b>2</b>         | J417 Nathan Li          | Roberto Clemente Middle School     |
|   | <b>2</b>         | J411 Alex Frost         | Roberto Clemente Middle School     |
|   | <b>3</b>         | J410 Christopher Lee    | Roberto Clemente Middle School     |
|   | <b>3</b>         | J415 Priya Shukla       | Roberto Clemente Middle School     |
|   | <b>3</b>         | J415 Natasha Velasquez  | Roberto Clemente Middle School     |
|   | <b>3</b>         | J414 Angela Li          | Roberto Clemente Middle School     |

**J500 Computer Science**

|   |      |                     |                                |
|---|------|---------------------|--------------------------------|
| 1 | J504 | Matthew Das Sarma   | Takoma Park Middle School      |
| 2 | J501 | Arjun Blum          | Takoma Park Middle School      |
| H | J502 | Nadja Bzhilyanskaya | Roberto Clemente Middle School |
| H | J503 | Angeline King       | Roberto Clemente Middle School |
| H | J505 | Jonathan Ni         | Roberto Clemente Middle School |

**J600 Earth and Space Science**

|   |      |                       |                              |
|---|------|-----------------------|------------------------------|
| 1 | J607 | Shubham Chattopadhyay | Parkland Middle School       |
| 2 | J601 | Paul Lathrop          | White Oak Middle School      |
| H | J603 | Lou Sall              | North Bethesda Middle School |
| H | J605 | Eric Arai             | North Bethesda Middle School |
| H | J810 | Lince Quintanilla     | Parkland Middle School       |

**J700 Engineering Category-presented this year with special thanks to our \$5000 Titanium Sponsor,****Northrop Grumman, "Defining the Future".**

|   |      |                     |                                    |
|---|------|---------------------|------------------------------------|
| 1 | J703 | Pablo Lopez         | Holy Cross School                  |
| 1 | J735 | Kalin Vassilev      | Takoma Park Middle School          |
| 2 | J701 | Gabriela Glueck     | Charles E. Smith Jewish Day School |
| 2 | J710 | Ninad Nirgudkar     | Roberto Clemente Middle School     |
| 2 | J723 | Umesh Padia         | Roberto Clemente Middle School     |
| 3 | J715 | Zubair Khan         | Roberto Clemente Middle School     |
| 3 | J733 | Alex Fehlinger      | Roberto Clemente Middle School     |
| 3 | J734 | Rachit Agarwal      | Roberto Clemente Middle School     |
| H | J702 | Vishnu Dharmaraj    | Takoma Park Middle School          |
| H | J704 | Jackson Douglas     | Roberto Clemente Middle School     |
| H | J707 | Trishul Nagenalli   | Roberto Clemente Middle School     |
| H | J717 | Xavier Roberts-Gaal | Thomas W. Pyle Middle School       |
| H | J719 | Jack Qian           | Roberto Clemente Middle School     |
| H | J719 | William Saar        | Roberto Clemente Middle School     |
| H | J726 | Suriya Kandaswamy   | Roberto Clemente Middle School     |

**J800 Environmental Sciences**

|   |      |                   |                                    |
|---|------|-------------------|------------------------------------|
| 1 | J825 | Teddy Corrales    | Takoma Park Middle School          |
| 1 | J825 | Tonle Bloomer     | Takoma Park Middle School          |
| 1 | J804 | Frederick Xu      | Roberto Clemente Middle School     |
| 1 | J804 | Addi Giffin       | Roberto Clemente Middle School     |
| 2 | J802 | Hannah Josovitz   | Charles E. Smith Jewish Day School |
| 2 | J803 | Connie Xu         | Takoma Park Middle School          |
| 2 | J803 | Angela Zhou       | Takoma Park Middle School          |
| 2 | J803 | Jade Liu          | Takoma Park Middle School          |
| 2 | J828 | Jack Weaver       | Roberto Clemente Middle School     |
| 2 | J817 | Devika Haridas    | Roberto Clemente Middle School     |
| 3 | J805 | Cooper Teich      | Roberto Clemente Middle School     |
| 3 | J823 | Ellinore Homan    | Holy Cross School                  |
| 3 | J816 | Anthony Massiah   | Forcey Christian Middle School     |
| H | J809 | Elizabeth Choi    | Roberto Clemente Middle School     |
| H | J811 | Jason Canales     | Parkland Middle School             |
| H | J813 | Domenico Bucci    | Parkland Middle School             |
| H | J815 | Theodore Johnson  | Roberto Clemente Middle School     |
| H | J819 | Rodrigo Salamanca | Roberto Clemente Middle School     |

|              |  |       |                     |                                    |
|--------------|--|-------|---------------------|------------------------------------|
|              | H  | J821  | Brooke Nesselt      | Roberto Clemente Middle School     |
|              | H  | J821  | Sydney Abella       | Roberto Clemente Middle School     |
| <b>J900</b>  | <b>Mathematics</b>   |       |                     |                                    |
|              | 1  | J903  | Denise Larson       | John H. Poole Middle School        |
|              | H  | J902  | Andrew Wang         | Roberto Clemente Middle School     |
|              | H  | J902  | Timothy Wang        | Roberto Clemente Middle School     |
|              | H  | J901  | Abby Beeler         | Roberto Clemente Middle School     |
| <b>J1000</b> | <b>Medicine and Health Category--presented this year with special thanks to our \$15,000</b> |       |                     |                                    |
|              | <b>Platinum Sponsor, MedImmune: "Advancing Science for Better Health."</b>                   |       |                     |                                    |
|              | 1  | J1008 | Howard Nicholson    | Roberto Clemente Middle School     |
|              | 2  | J1002 | Sawyer Sampson      | Parkland Middle School             |
|              | 3  | J1001 | Eileen Morocho      | Parkland Middle School             |
|              | H  | J1003 | Seema Snitkovsky    | Roberto Clemente Middle School     |
|              | H  | J1004 | Ethan Kramer        | Charles E. Smith Jewish Day School |
| <b>J1100</b> | <b>Microbiology</b>  |       |                     |                                    |
|              | 1  | J1104 | Constance Chen      | Roberto Clemente Middle School     |
|              | 1  | J1104 | Ramnik Dhingra      | Roberto Clemente C249Middle School |
|              | 2  | J1102 | Sanna Madan         | Roberto Clemente Middle School     |
|              | 3  | J1105 | Emily Wang          | Roberto Clemente Middle School     |
|              | H  | J1106 | Diwakar Ganesan     | Roberto Clemente Middle School     |
|              | H  | J1103 | Cynthia Liu         | Roberto Clemente Middle School     |
| <b>J1200</b> | <b>Physics presented this year in honor of our past treasurer, Dr. Jay Buckley</b>           |       |                     |                                    |
|              | 1  | J1204 | Jacob Glueck        | Charles E. Smith Jewish Day School |
|              | 1  | J1231 | Pei-Yi Lin          | Roberto Clemente Middle School     |
|              | 1  | J1246 | Laura Klett         | Takoma Park Middle School          |
|              | 1  | J1257 | Andrew Lehnus       | Roberto Clemente Middle School     |
|              | 1  | J1257 | Brandon Grinkemeyer | Roberto Clemente Middle School     |
|              | 2  | J1202 | Eleanor Nuckolls    | Holy Cross School                  |
|              | 2  | J1208 | Yonathan Aklile     | St. Andrew Apostle School          |
|              | 2  | J1230 | Nolan Yager         | North Bethesda Middle School       |
|              | 2  | J1248 | Rizwan Bashir       | Roberto Clemente Middle School     |
|              | 2  | J1249 | Wenqing Xu          | Roberto Clemente Middle School     |
|              | 2  | J1253 | Christina Lingfu    | Roberto Clemente Middle School     |
|              | 3  | J1213 | Alexander Yaney     | Parkland Middle School             |
|              | 3  | J1216 | Ankita Sharma       | Roberto Clemente Middle School     |
|              | 3  | J1223 | Brionna Gray        | Parkland Middle School             |
|              | 3  | J1232 | Jimmy Li            | Roberto Clemente Middle School     |
|              | 3  | J1232 | Jeffrey Wang        | Roberto Clemente Middle School     |
|              | 3  | J1241 | Austin Le           | Parkland Middle School             |
|              | 3  | J1236 | Christina McCann    | Parkland Middle School             |
|              | 3  | J1259 | Sandeep David       | Takoma Park Middle School          |
|              | H  | J1203 | Gabriel Castro      | St Marys School                    |
|              | H  | J1207 | Jason Tafuri        | St Marys School                    |
|              | H  | J1214 | Shanta Murthy       | Parkland Middle School             |
|              | H  | J1217 | Seong Joon Yoo      | Roberto Clemente Middle School     |
|              | H  | J1218 | Raviteja Kemburu    | Roberto Clemente Middle School     |
|              | H  | J1224 | Jace Studley        | Parkland Middle School             |
|              | H  | J1243 | Lissa Rennert       | Parkland Middle School             |
|              | H  | J1244 | Patrick Sykes       | Parkland Middle School             |
|              | H  | J1260 | McKenzie Glotzbach  | Parkland Middle School             |
|              | H  | J1261 | Megan Souder        | John H. Poole Middle School        |
|              | H  | J1250 | George Tong         | Roberto Clemente Middle School     |

| <b>Community Awards</b>  |       |                      |                                    |
|--|-------|----------------------|------------------------------------|
| <b>Presented by Community Organizations in Support of Young Scientists and Engineers</b>                       |       |                      |                                    |
| <b>Aerospace Corporation</b>   |       |                      |                                    |
| <b>The Robert H. Herndon Award to Encourage Minority Students to Pursue Careers in Science and Engineering</b> |       |                      |                                    |
| Invitation to Attend Aerospace Corp. Robert H. Herndon Science Competition                                     |       |                      |                                    |
|  | J801  | Chimaoge Ibe         | St. Andrew Apostle School          |
|  | J703  | Pablo Lopez          | Holy Cross School                  |
| <b>American Chemical Society</b>   |       |                      |                                    |
| <b>For Excellence in Chemistry</b>   |       |                      |                                    |
| Senior Division  |       |                      |                                    |
|  | S405  | Jee-Eun Rosaline Rho | Bullis School                      |
| <b>American Industrial Hygiene Association (AIHA) Potomac Section</b>  |       |                      |                                    |
| <b>For Achievements in Projects Demonstrating Excellent Industrial Hygiene Practice or Technology</b>          |       |                      |                                    |
| 3rd Place: Certificate and \$100   |       |                      |                                    |
|  | S1004 | Brian Fanelli        | Sherwood High School               |
|  | S1004 | Emma Newcomb         | Sherwood High School               |
| 2nd Place: Certificate and \$200   |       |                      |                                    |
|  | S112  | Alyssa Lesho         | Sherwood High School               |
|  | S112  | Demetra Tzamaras     | Sherwood High School               |
|  | S112  | Ashley Singh         | Sherwood High School               |
| 1st Place: Certificate and \$300   |       |                      |                                    |
|  | S301  | Raymond Li           | Winston Churchill High School      |
| <b>American Institute of Aeronautics &amp; Astronautics (AIAA)</b>   |       |                      |                                    |
| <b>For Excellent Achievements in Projects in Space and Aviation</b>  |       |                      |                                    |
| Honorable Mention: Certificate   |       |                      |                                    |
|  | J1217 | Seong Joon Yoo       | Roberto Clemente Middle School     |
|  | J1216 | Ankita Sharma        | Roberto Clemente Middle School     |
| 3rd Place: \$75  |       |                      |                                    |
| Invitation to Awards Banquet, one year student membership  |       |                      |                                    |
|  | J724  | Adithya Girish       | Roberto Clemente Middle School     |
| 2nd Place: \$100   |       |                      |                                    |
| Invitation to Awards Banquet, one year student membership  |       |                      |                                    |
|  | J1257 | Andrew Lehnus        | Roberto Clemente Middle School     |
|  | J1257 | Brandon Grinkemeyer  | Roberto Clemente Middle School     |
| 1st Place – 1 week at Space Camp or Aviation Challenge   |       |                      |                                    |
| Invitation to Awards Banquet, one year student membership  |       |                      |                                    |
|  | J1204 | Jacob Glueck         | Charles E. Smith Jewish Day School |
| <b>American Meteorological Society (AMS)-DC Chapter</b>  |       |                      |                                    |
| <b>For Outstanding Achievement in an Atmospheric or Earth Science</b>  |       |                      |                                    |
| Junior Certificate and Invitation to AMS-DC Awards Banquet   |       |                      |                                    |
|  | J601  | Paul Lathrop         | White Oak Middle School            |
|  | J825  | Teddy Corrales       | Takoma Park Middle School          |
|  | J825  | Tonle Bloomer        | Takoma Park Middle School          |
|  | J803  | Connie Xu            | Takoma Park Middle School          |
|  | J803  | Angela Zhou          | Takoma Park Middle School          |
|  | J803  | Jade Liu             | Takoma Park Middle School          |
| <b>American Physiological Society</b>  |       |                      |                                    |
| <b>For Outstanding Achievement in Physiological Research</b>   |       |                      |                                    |
| Senior: T-shirt, Pin and Certificate   |       |                      |                                    |
|  | S1020 | Llewellyn Smith      | Walt Whitman High School           |
| Note: Teachers of winning students receive a book and resource packet  |       |                      |                                    |
| <b>American Nuclear Society; Washington, DC Section</b>  |       |                      |                                    |
| <b>For Outstanding Achievement in Projects in Nuclear Physics and Technology</b>                               |       |                      |                                    |
| 5th Place Certificate  |       |                      |                                    |
|  | S602  | Julia Cline          | Walt Whitman High School           |
| 4th Place Certificate  |       |                      |                                    |
|  | J734  | Rachit Agarwal       | Roberto Clemente Middle School     |

|   |  |                            |  |
|---|--|----------------------------|--|
|   | 3rd Place Certificate and Book                                 |                            |  |
|   | J724   | Adithya Girish             | Roberto Clemente Middle School   |
|   | 2nd Place Certificate and \$50                                 |                            |  |
|   | S704   | Austin Duff                | Gaithersburg High School   |
|   | 1st Place Certificate and \$100                                |                            |  |
|   | Invitation to Dinner meeting                                   |                            |  |
|   | S1208  | Raja Ratna Murthy Ayyagari | Poolesville High School  |
|   |  |                            |  |
| <b>American Psychological Association</b>                 |  |                            |  |
|   |  |                            |  |
|   |  |                            | <b>Recognizing Outstanding Research Projects in Behavior and Social Science</b>                                  |
|   |  |                            |  |
|   | Junior Division Certificate                                    |                            |  |
|   | J101   | Lipi Agrawal               | Roberto Clemente Middle School   |
|   | Senior Division Certificate                                    |                            |  |
|   | S112   | Alyssa Lesho               | Sherwood High School   |
|   | S112   | Demetra Tzamaras           | Sherwood High School   |
|   | S112   | Ashley Singh               | Sherwood High School   |
| <b>American Society of Mechanical Engineers</b>           |  |                            |  |
|   |  |                            |  |
|   |  |                            | <b>For Outstanding Demonstration of the Principles and Practices of Mechanical Engineering</b>                   |
|   |  |                            |  |
|   | 3rd Place: Certificate and \$25                                |                            |  |
|   | S502   | Ann Choi                   | Montgomery Blair High School   |
|   | 2nd Place: Certificate and \$50 and Invitation to dinner       |                            |  |
|   | S704   | Austin Duff                | Gaithersburg High School   |
|   | 1st Place: Certificate and \$75 and Invitation to dinner       |                            |  |
|   | S701   | Daniel Liss                | Charles E. Smith Jewish Day School   |
|   |  |                            |  |
| <b>The ASM Materials Education Foundation--DC Chapter</b> |  |                            |  |
|   |  |                            |  |
|   |  |                            | <b>Recognizing Outstanding Projects in Materials Science</b>   |
|   |  |                            |  |
|   | Junior Division 1st Place Certificate of Excellence            |                            |  |
|   | J1246  | Laura Klett                | Takoma Park Middle School  |
|   | J1263  | Rishi Banerjee             | Roberto Clemente Middle School   |
|   | J1263  | Nicholas Suddith           | Roberto Clemente Middle School   |
|   |  |                            |  |
| <b>Association for Women Geoscientists</b>                |  |                            |  |
|   |  |                            |  |
|   |  |                            | <b>For a Project by a Student for High Standards of Innovation and Excellence in the Geosciences</b>             |
|   |  |                            |  |
|   | Junior Division Certificate of Excellence                      |                            |  |
|   | J823   | Ellinore Homan             | Holy Cross School  |
|   | Senior Division Certificate of Excellence                      |                            |  |
|   | S602   | Julia Cline                | Walt Whitman High School   |
|   |  |                            |  |
| <b>Biophysical Society</b>                                |  |                            |  |
|   |  |                            |  |
|   |  |                            | <b>For a senior project demonstrating excellence in biophysics (PLEASE STAND)</b>                                |
|   | Certificate and \$100 Cash Award                               |                            |  |
|   | S1014  | Sharon Ong                 | Winston Churchill High School  |
|   |  |                            |  |
| <b>Broadcom MASTERS (DO NOT READ)</b>                     |  |                            |  |
|   |  |                            |  |
|   |  |                            | <b>For middle school projects demonstrating excellence in Math, Applied Science, Technology, and Engineering</b> |
|   |  |                            |  |
|   | Nomination to compete in Broadcom MASTERS national competition |                            |  |
|   | J103   | Aditya Kaliappan           | Roberto Clemente Middle School   |
|   | J205   | Siddharth Nayak            | Roberto Clemente Middle School   |
|   | J302   | Julia Condron              | Holy Cross School  |
|   | J430   | Sam Steingard              | Roberto Clemente Middle School   |
|   | J430   | Ron Domingo                | Roberto Clemente Middle School   |
|   | J434   | Nina Simpkins              | Charles E. Smith Jewish Day School   |
|   | J504   | Matthew Das Sarma          | Takoma Park Middle School  |
|   | J607   | Shubham Chattopadhyay      | Parkland Middle School   |
|   | J703   | Pablo Lopez                | Holy Cross School  |
|   | J735   | Kalin Vassilev             | Takoma Park Middle School  |
|   | J804   | Frederick Xu               | Roberto Clemente Middle School   |
|   | J804   | Addi Giffin                | Roberto Clemente Middle School   |
|   | J825   | Teddy Corrales             | Takoma Park Middle School  |
|   | J825   | Tonle Bloomer              | Takoma Park Middle School  |
|   | J903   | Denise Larson              | John H. Poole Middle School  |
|   | J1008  | Howard Nicholson           | Roberto Clemente Middle School   |
|   | J1104  | Constance Chen             | Roberto Clemente Middle School   |
|   | J1104  | Ramnik Dhingra             | Roberto Clemente Middle School   |
|   | J1204  | Jacob Glueck               | Charles E. Smith Jewish Day School   |
|   | J1231  | Pei-Yi Lin                 | Roberto Clemente Middle School   |

|  |  |  |                       |                                    |
|--|--|--|-----------------------|------------------------------------|
|  |  | J1246  | Laura Klett           | Takoma Park Middle School          |
|  |  | J1257  | Andrew Lehnus         | Roberto Clemente Middle School     |
|  |  | J1257  | Brandon Grinkemeyer   | Roberto Clemente Middle School     |
| <b>Central Intelligence Agency</b>                                 |  |  |                       |                                    |
|  |  | <b>For Projects in Technologies of National Interest</b>   |                       |                                    |
|  | Invitation to Awards Ceremony and Tour of CIA Headquarters   |  |                       |                                    |
|  |  | J301   | Christine Allaire     | Holy Cross School                  |
|  |  | J411   | Alex Frost            | Roberto Clemente Middle School     |
|  |  | J501   | Arjun Blum            | Takoma Park Middle School          |
|  |  | J1239  | Angelo Capuzzo Hajaji | North Bethesda Middle School       |
|  |  | S804   | Gibran Mangui         | Thomas S. Wootton High School      |
|  |  | S902   | Christopher Hazard    | Winston Churchill High School      |
|  |  | S1202  | Jinhie Skarda         | Montgomery Blair High School       |
|  |  | S406   | Rahul Menon           | Poolesville High School            |
|  |  | S406   | Dhruv Shankar         | Poolesville High School            |
|  |  | S402   | Sara Fleming          | Sherwood High School               |
|  |  | S402   | Mea Karnley           | Sherwood High School               |
|  |  | S402   | Courtney Martin       | Sherwood High School               |
|  |  | S1003  | Claire Wortmann       | Sherwood High School               |
|  |  | S1003  | Elizabeth Scanlon     | Sherwood High School               |
|  |  | S1003  | Phanna Iamlek         | Sherwood High School               |
|  |  | S602   | Julia Cline           | Walt Whitman High School           |
|  |  | S704   | Austin Duff           | Gaithersburg High School           |
|  |  | S112   | Alyssa Lesho          | Sherwood High School               |
|  |  | S112   | Demetra Tzamaras      | Sherwood High School               |
|  |  | S112   | Ashley Singh          | Sherwood High School               |
|  |  | S113   | Abhas Arya            | Bethesda-Chevy Chase High School   |
|  |  | S113   | Amir Alwali           | Bethesda-Chevy Chase High School   |
|  |  | S701   | Daniel Liss           | Charles E. Smith Jewish Day School |
| <b>Clean Air Partners</b>  |  |  |                       |                                    |
|  |  | <b>For Best Project Concerning Air Pollution or Climate Change</b>                                   |                       |                                    |
|  | \$50 Award   |  |                       |                                    |
|  |  | J803   | Connie Xu             | Takoma Park Middle School          |
|  |  | J803   | Angela Zhou           | Takoma Park Middle School          |
|  |  | J803   | Jade Liu              | Takoma Park Middle School          |
| <b>Discovery Education Young Scientist Challenge (DO NOT READ)</b> |  |  |                       |                                    |
|  |  | <b>To 6-8th Grade Students for Knowledge of and Ability to Communicate Effectively about Science</b> |                       |                                    |
|  | Certificate of Excellence and Entry to National Competition will be Presented to Winners of Each Category in Junior Division |  |                       |                                    |
|  |  | J103   | Aditya Kaliappan      | Roberto Clemente Middle School     |
|  |  | J205   | Siddharth Nayak       | Roberto Clemente Middle School     |
|  |  | J302   | Julia Condron         | Holy Cross School                  |
|  |  | J430   | Sam Steingard         | Roberto Clemente Middle School     |
|  |  | J430   | Ron Domingo           | Roberto Clemente Middle School     |
|  |  | J434   | Nina Simpkins         | Charles E. Smith Jewish Day School |
|  |  | J504   | Matthew Das Sarma     | Takoma Park Middle School          |
|  |  | J607   | Shubham Chattopadhyay | Parkland Middle School             |
|  |  | J703   | Pablo Lopez           | Holy Cross School                  |
|  |  | J735   | Kalin Vassilev        | Takoma Park Middle School          |
|  |  | J804   | Frederick Xu          | Roberto Clemente Middle School     |
|  |  | J804   | Addi Giffin           | Roberto Clemente Middle School     |
|  |  | J825   | Teddy Corrales        | Takoma Park Middle School          |
|  |  | J825   | Tonle Bloomer         | Takoma Park Middle School          |
|  |  | J903   | Denise Larson         | John H. Poole Middle School        |
|  |  | J1008  | Howard Nicholson      | Roberto Clemente Middle School     |
|  |  | J1104  | Constance Chen        | Roberto Clemente Middle School     |
|  |  | J1104  | Ramnik Dhingra        | Roberto Clemente Middle School     |
|  |  | J1204  | Jacob Glueck          | Charles E. Smith Jewish Day School |
|  |  | J1231  | Pei-Yi Lin            | Roberto Clemente Middle School     |
|  |  | J1246  | Laura Klett           | Takoma Park Middle School          |
|  |  | J1257  | Andrew Lehnus         | Roberto Clemente Middle School     |
|  |  | J1257  | Brandon Grinkemeyer   | Roberto Clemente Middle School     |
| <b>Federal Water Quality Association</b>                           |  |  |                       |                                    |
|  |  | <b>For Excellence in Water-related Research</b>  |                       |                                    |
|  | Honorable Mention Junior Individual: Certificate   |  |                       |                                    |
|  |  | J823   | Ellinore Homan        | Holy Cross School                  |

|  |  |       |                       |  |
|--|--|-------|-----------------------|--|
|  |  | J301  | Christine Allaire     | Holy Cross School                      |
| <b>Friends of Agricultural Research--Beltsville (FAR-B)-in each of 3 categories</b>        |  |       |                       |  |
| <b>For Excellent Junior Projects</b>   |  |       |                       |  |
| 3rd Place: Certificate of Merit and \$10 gift certificate                                  |  |       |                       |  |
|  |  | J1002 | Sawyer Sampson        | Parkland Middle School                 |
|  |  | J802  | Hannah Josovitz       | Charles E. Smith Jewish Day School     |
|  |  | J318  | John Baur             | Takoma Park Middle School              |
| 2nd Place: Certificate of Merit and \$20 gift certificate                                  |  |       |                       |  |
|  |  | J1006 | Hansheng Zhang        | Roberto Clemente Middle School         |
|  |  | J826  | Navya Nanda           | Roberto Clemente Middle School         |
|  |  | J826  | Pujitha Lava          | Roberto Clemente Middle School         |
|  |  | J301  | Christine Allaire     | Holy Cross School                      |
| 1st Place: Certificate of Merit and \$30 gift certificate                                  |  |       |                       |  |
|  |  | J1007 | Sangho Samuel Myung   | Herbert Hoover Middle School           |
|  |  | J804  | Frederick Xu          | Roberto Clemente Middle School         |
|  |  | J804  | Addi Giffin           | Roberto Clemente Middle School         |
|  |  | J311  | Rachel McIntyre       | John H. Poole Middle School            |
| <b>GENIUS OLYMPIAD</b>   |  |       |                       |  |
| <b>For Projects Dedicated to the Protection and Improvement of the Environment</b>         |  |       |                       |  |
| An invitation to compete in the SUNY Oswego GENIUS OLYMPIAD                                |  |       |                       |  |
|  |  | S802  | Katarina Niedermair   | Sherwood High School                   |
|  |  | S802  | Nicole Jakobowski     | Sherwood High School                   |
|  |  | S803  | Kelly Kendall         | Sherwood High School                   |
|  |  | S803  | Stephanie Golding     | Sherwood High School                   |
| <b>Geological Society of Washington</b>  |  |       |                       |  |
| <b>For Excellence in Earth Science</b>   |  |       |                       |  |
| Third Place Junior: Certificate and Ribbon   |  |       |                       |  |
|  |  | J821  | Brooke Nesselt        | Roberto Clemente Middle School         |
|  |  | J821  | Sydney Abella         | Roberto Clemente Middle School         |
| Second Place Junior: Certificate and Ribbon  |  |       |                       |  |
|  |  | J823  | Ellinore Homan        | Holy Cross School                      |
| First Place Junior: Certificate, ribbon and invitation to present project at a GSW Meeting |  |       |                       |  |
|  |  | J804  | Frederick Xu          | Roberto Clemente Middle School         |
|  |  | J804  | Addi Giffin           | Roberto Clemente Middle School         |
| First Place Senior: Certificate, ribbon and invitation to present project at a GSW Meeting |  |       |                       |  |
|  |  | S602  | Julia Cline           | Walt Whitman High School               |
| <b>Health Physics Society, Baltimore-Washington Chapter</b>                                |  |       |                       |  |
| <b>For Outstanding Projects Using, or Applying, Radiation or Radioactive Material</b>      |  |       |                       |  |
| Juniors:   |  |       |                       |  |
| Honorable Mention:   |  |       |                       |  |
|  |  | J301  | Christine Allaire     | Holy Cross School                      |
|  |  | J601  | Paul Lathrop          | White Oak Middle School                |
|  |  | J701  | Gabriela Glueck       | Charles E. Smith Jewish Day School     |
|  |  | J729  | Sushmitha Tamilselvan | Parkland Middle School                 |
|  |  | J804  | Frederick Xu          | Roberto Clemente Middle School         |
|  |  | J804  | Addi Giffin           | Roberto Clemente Middle School         |
|  |  | J825  | Teddy Corrales        | Takoma Park Middle School              |
|  |  | J825  | Tonle Bloomer         | Takoma Park Middle School              |
|  |  | J1201 | Gillian Hutter        | Stone Ridge School of the Sacred Heart |
| 3rd Place Certificate of Recognition   |  |       |                       |  |
|  |  | J809  | Elizabeth Choi        | Roberto Clemente Middle School         |
| 2nd Place Certificate of Recognition   |  |       |                       |  |
|  |  | J1005 | Cynthia Song          | Roberto Clemente Middle School         |
| 1st Place Certificate of Recognition   |  |       |                       |  |
|  |  | J1007 | Sangho Samuel Myung   | Herbert Hoover Middle School           |
| Seniors:   |  |       |                       |  |
| Honorable Mention:   |  |       |                       |  |
|  |  | S1205 | Katherine Brizzolara  | Walter Johnson High School             |
| 3rd Place Certificate of Recognition   |  |       |                       |  |

|  |       |                            |                                    |
|--|-------|----------------------------|------------------------------------|
|  | S1204 | Mohamed Keita              | Gaithersburg High School           |
| 2nd Place Certificate of Recognition   |       |                            |                                    |
|  | S1202 | Jinhie Skarda              | Montgomery Blair High School       |
| 1st Place Certificate of Recognition   |       |                            |                                    |
|  | S1018 | Caroline Park              | Walt Whitman High School           |
| <b>Institute of Electrical and Electronics Engineers (IEEE) Washington Section</b>   |       |                            |                                    |
| <b>For Excellence in Electrical Engineering, Physics, Computer Science and Related Areas</b>   |       |                            |                                    |
| 3rd Place: Certificate of Merit and \$100  |       |                            |                                    |
|  | S705  | James Baur                 | Wheaton High School                |
| 2nd Place: Certificate of Merit and \$200  |       |                            |                                    |
|  | S701  | Daniel Liss                | Charles E. Smith Jewish Day School |
| 1st Place: Certificate of Merit, \$300 and Invitation to Award Banquet   |       |                            |                                    |
|  | S501  | Vinay Sriram               | Poolesville High School            |
| <b>Intel Excellence in Computer Science Award</b>  |       |                            |                                    |
| <b>For Excellence in the Use of Computer Technology in the Senior Division</b>   |       |                            |                                    |
| 2 Awards in the Senior Division: Certificate of Achievement and \$200  |       |                            |                                    |
|  | S501  | Vinay Sriram               | Poolesville High School            |
|  | S504  | Russell McQueeney          | Winston Churchill High School      |
| <b>I-SWEEP: International Sustainable World (Engineering, Energy, Environment) Project Olympiad</b>  |       |                            |                                    |
| <b>For Outstanding Projects in Environmental Sustainability and Innovation</b>   |       |                            |                                    |
| Senior: 2 awards: Sustainability Award and Invitation to participate in 2011 Olympiad  |       |                            |                                    |
|  | S803  | Kelly Kendall              | Sherwood High School               |
|  | S803  | Stephanie Golding          | Sherwood High School               |
|  | S802  | Katarina Niedermair        | Sherwood High School               |
|  | S802  | Nicole Jakobowski          | Sherwood High School               |
| Senior: Outstanding Sustainability Award and Invitation to participate in 2011 Olympiad  |       |                            |                                    |
|  | S704  | Austin Duff                | Gaithersburg High School           |
| <b>MIT Club of Washington, D.C.</b>  |       |                            |                                    |
| <b>In Honor of MIT's 150th Anniversary: For 11th Grade Projects Demonstrating Excellence in Life or Physical Science, Engineering, Mathematics, or Computer Science</b>  |       |                            |                                    |
| Honorable Mention: Certificate of Excellence   |       |                            |                                    |
|  | S701  | Daniel Liss                | Charles E. Smith Jewish Day School |
|  | S1019 | Maureen Lei                | Montgomery Blair High School       |
| First Place: Certificate, \$150, and Subscription to MIT Technology Review   |       |                            |                                    |
|  | S405  | Jee-Eun Rosaline Rho       | Bullis School                      |
| <b>MRIGlobal</b>   |       |                            |                                    |
| <b>For Outstanding Achievement in Life Sciences</b>  |       |                            |                                    |
| Junior: Certificate and \$75 Award   |       |                            |                                    |
|  | J203  | Grace Cheung               | Roberto Clemente Middle School     |
| Senior: Certificate and \$100 Award  |       |                            |                                    |
|  | S301  | Raymond Li                 | Winston Churchill High School      |
| <b>MedImmune Advancing Science for Better Health Award</b>   |       |                            |                                    |
| <b>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 Collaboration</b> |       |                            |                                    |
| Honorable Mention: certificate <b>(PLEASE STAND ONLY)</b>  |       |                            |                                    |
|  | S1011 | Evguenia Morgun            | Walter Johnson High School         |
| 1st Place: 6-week Paid Internship at MedImmune, \$100 and a plaque <b>(COME UP)</b>  |       |                            |                                    |
|  | S1017 | Kevin Tyan                 | Walt Whitman High School           |
| <b>Mu Alpha Theta</b>  |       |                            |                                    |
| <b>For Challenging, Original, Thorough and Creative Investigation of Problems Involving Modern Mathematics</b>   |       |                            |                                    |
| 2 Certificates of Achievement in the Senior division   |       |                            |                                    |
|  | S701  | Daniel Liss                | Charles E. Smith Jewish Day School |
|  | S1208 | Raja Ratna Murthy Ayyagari | Poolesville High School            |
| <b>National Capital Astronomers</b>  |       |                            |                                    |
| <b>For Projects Demonstrating Excellence in Astronomy (PLEASE STAND ONLY)</b>  |       |                            |                                    |
| One year membership in NCA; One year subscription to Sky and Telescope magazine;   |       |                            |                                    |

|  |   |                       |                                    |
|--|---|-----------------------|------------------------------------|
|  | Invitation to present project at Annual Meeting |                       |                                    |
|  | S601  | David Zhang           | Richard Montgomery High School     |
|  | S602  | Julia Cline           | Walt Whitman High School           |
|  | J605  | Eric Arai             | North Bethesda Middle School       |
|  | J607  | Shubham Chattopadhyay | Parkland Middle School             |
| <b>National Oceanic and Atmospheric Administration (NOAA)</b>  |   |                       |                                    |
| <b>For Research That Helps Understand and Predict Changes in Earth's Environment, and Conserve and Manage Natural Resources</b>                          |   |                       |                                    |
| Junior Division: Certificate of Honor and Medallion  |   |                       |                                    |
|  | J703  | Pablo Lopez           | Holy Cross School                  |
| Senior Division: Certificate of Honor and Medallion  |   |                       |                                    |
|  | S901  | Pushkar Aggarwal      | Poolesville High School            |
| <b>National Society of Professional Engineers</b>  |   |                       |                                    |
| <b>For Projects Demonstrating Innovative Engineering</b>   |   |                       |                                    |
| Junior Division: Certificate of Honor and Lapel Pin  |   |                       |                                    |
|  | J703  | Pablo Lopez           | Holy Cross School                  |
| Senior Division: Certificate of Honor and Lapel Pin  |   |                       |                                    |
|  | S701  | Daniel Liss           | Charles E. Smith Jewish Day School |
| <b>Naval Research Lab</b>  |   |                       |                                    |
| <b>For Excellence in Engineering</b>   |   |                       |                                    |
| Junior Division: Nail Gun Target Plate   |   |                       |                                    |
|  | J1216   | Ankita Sharma         | Roberto Clemente Middle School     |
| Senior Division: Nail Gun Target Plate   |   |                       |                                    |
|  | S703  | Stephen Lee           | Winston Churchill High School      |
| <b>Office of Naval Research</b>  |   |                       |                                    |
| <b>For Achievement in Science or Technology</b>  |   |                       |                                    |
| Six Junior Division prizes: Certificate and Medallion  |   |                       |                                    |
|  | J501  | Arjun Blum            | Takoma Park Middle School          |
|  | J723  | Umesh Padia           | Roberto Clemente Middle School     |
|  | J724  | Adithya Girish        | Roberto Clemente Middle School     |
|  | J901  | Abby Beeler           | Roberto Clemente Middle School     |
|  | J734  | Rachit Agarwal        | Roberto Clemente Middle School     |
|  | J504  | Matthew Das Sarma     | Takoma Park Middle School          |
| Four Senior Division prizes: Certificate, Medallion, and a \$50 gift certificate   |   |                       |                                    |
|  | S501  | Vinay Sriram          | Poolesville High School            |
|  | S502  | Ann Choi              | Montgomery Blair High School       |
|  | S1202   | Jinhie Skarda         | Montgomery Blair High School       |
|  | S703  | Stephen Lee           | Winston Churchill High School      |
| <b>Optical Society of America, National Capital Section/IEEE Phototonics</b>   |   |                       |                                    |
| <b>For Achievement in Science or Technology</b>  |   |                       |                                    |
| <b>Achievement in Optics and Photonics Award</b>   |   |                       |                                    |
| Junior Division: Certificate   |   |                       |                                    |
|  | J607  | Shubham Chattopadhyay | Parkland Middle School             |
|  | J1202   | Eleanor Nuckolls      | Holy Cross School                  |
|  | J201  | Sarah Wagner          | Takoma Park Middle School          |
| Senior Division: Certificate   |   |                       |                                    |
|  | S701  | Daniel Liss           | Charles E. Smith Jewish Day School |
|  | S1201   | Andrew Das Sarma      | Montgomery Blair High School       |
|  | S704  | Austin Duff           | Gaithersburg High School           |
| <b>Ricoh Sustainable Development Award 2009</b>  |   |                       |                                    |
| <b>For Outstanding Projects Addressing the Potential for Increasing Our Ability to Grow Environmentally Friendly and Socially Responsible Businesses</b> |   |                       |                                    |
| Junior Division: Certificate   |   |                       |                                    |
|  | J823  | Ellinore Homan        | Holy Cross School                  |
| Senior Division: Certificate   |   |                       |                                    |
|  | S802  | Katarina Niedermair   | Sherwood High School               |
|  | S802  | Nicole Jakobowski     | Sherwood High School               |
| <b>Rockville Rotary Club and Energy and Air Quality Advisory Committee of Montgomery County</b>  |   |                       |                                    |
| <b>For Best Projects in Air Quality and Energy Technology (PLEASE STAND ONLY)</b>  |   |                       |                                    |
| 1st Place Junior: Certificate, \$100, and invitation to Rotary luncheon to show your project   |   |                       |                                    |
|  | J607  | Shubham Chattopadhyay | Parkland Middle School             |
| 1st Place Senior: Certificate \$100, and invitation to Rotary luncheon to show your project  |   |                       |                                    |
|  | S801  | Ankit Sarkar          | Richard Montgomery High School     |

|   |  |                      |   |                                    |
|---|--|----------------------|---|------------------------------------|
| <b>Sigma Xi, FDA Chapter</b>                            |  |                      |   |                                    |
|   |  |                      | <b>For Excellence in Food and Drug Science</b>  |                                    |
|   | Honorable Mention: Certificate   |                      |   |                                    |
|   | S1011  | Evguenia Morgun      |   | Walter Johnson High School         |
|   | S1014  | Sharon Ong           |   | Winston Churchill High School      |
|   | S1003  | Claire Wortmann      |   | Sherwood High School               |
|   | S1003  | Elizabeth Scanlon    |   | Sherwood High School               |
|   | S1003  | Phanna lamlek        |   | Sherwood High School               |
|   | 2nd Place: \$50 gift card and Certificate  |                      |   |                                    |
|   | S1020  | Llewellyn Smith      |   | Walt Whitman High School           |
|   | 1st Place: \$100 gift card and Invitation for 3 to Spring Banquet  |                      |   |                                    |
|   | S405   | Jee-Eun Rosaline Rho |   | Bullis School                      |
|   |  |                      |   |                                    |
|   |  |                      |   |                                    |
| <b>Sigma Xi, NIST Chapter</b>                           |  |                      |   |                                    |
|   |  |                      | <b>For Excellence in Measurement Science (PLEASE STAND ONLY)</b>  |                                    |
|   | Certificate of Excellence, \$100, and invitation to Banquet  |                      |   |                                    |
|   | S901   | Pushkar Aggarwal     |   | Poolesville High School            |
|   |  |                      |   |                                    |
| <b>Society of Manufacturing Engineers--Chapter 48</b>   |  |                      |   |                                    |
|   |  |                      | <b>For Excellence in Research Advancing Manufacturing Knowledge</b>   |                                    |
|   | 3rd place \$ 25 check, book and certificate  |                      |   |                                    |
|   | J1204  | Jacob Glueck         |   | Charles E. Smith Jewish Day School |
|   | 2nd place \$ 50 check, book and certificate  |                      |   |                                    |
|   | J734   | Rachit Agarwal       |   | Roberto Clemente Middle School     |
|   | 1st place \$ 100 check, book and certificate   |                      |   |                                    |
|   | J717   | Xavier Roberts-Gaal  |   | Thomas W. Pyle Middle School       |
|   |  |                      |   |                                    |
| <b>Society for In Vitro Biology</b>                     |  |                      |   |                                    |
|   |  |                      | <b>For 11th Grade Projects Demonstrating Excellent Research in Plant or Animal in vitro Biology or Tissue Culture</b> |                                    |
|   | Two Certificates of Outstanding Achievement  |                      |   |                                    |
|   | S1009  | Ziyao Wang           |   | Montgomery Blair High School       |
|   | S1022  | Kira Finkel          |   | Bethesda-Chevy Chase High School   |
|   |  |                      |   |                                    |
| <b>Society of Naval Architects and Marine Engineers</b> |  |                      |   |                                    |
|   |  |                      | <b>For Excellence in Projects Related to Marine Engineering</b>   |                                    |
|   | 3 Awards Junior Division: Book; Gifts; One Year SNAME Membership   |                      |   |                                    |
|   | J703   | Pablo Lopez          |   | Holy Cross School                  |
|   | J707   | Trishul Nagenalli    |   | Roberto Clemente Middle School     |
|   | J1216  | Ankita Sharma        |   | Roberto Clemente Middle School     |
|   | 3 Awards Senior Division: Book; Gifts; One Year SNAME Membership   |                      |   |                                    |
|   | S502   | Ann Choi             |   | Montgomery Blair High School       |
|   | S1202  | Jinhie Skarda        |   | Montgomery Blair High School       |
|   | S602   | Julia Cline          |   | Walt Whitman High School           |
|   |  |                      |   |                                    |
|   |  |                      |   |                                    |
| <b>Surfrider Foundation, DC Chapter</b>                 |  |                      |   |                                    |
|   |  |                      | <b>For Excellence in Ocean and Environmental Sciences Research</b>  |                                    |
|   | Junior Division: Respect the Beach Award Trophy + 2 Surfrider Memberships  |                      |   |                                    |
|   | J804   | Frederick Xu         |   | Roberto Clemente Middle School     |
|   | J804   | Addi Giffin          |   | Roberto Clemente Middle School     |
|   | J824   | Reann Philogene      |   | St. Andrew Apostle School          |
|   | J824   | Kelli White          |   | St. Andrew Apostle School          |
|   | Senior Division: 2 Beach-in-a-bag Bags + 2 Surfrider Memberships   |                      |   |                                    |
|   | S802   | Katarina Niedermair  |   | Sherwood High School               |
|   | S802   | Nicole Jakobowski    |   | Sherwood High School               |
|   |  |                      |   |                                    |
| <b>U.S. Airforce</b>                                    |  |                      |   |                                    |
|   |  |                      | <b>For Excellence in Science and Engineering</b>  |                                    |
|   | Junior: Certificate  |                      |   |                                    |
|   | J705   | Mahesh Sullivan      |   | Takoma Park Middle School          |
|   | J725   | Jeffrey Shih         |   | Roberto Clemente Middle School     |
|   | J1257  | Andrew Lehnus        |   | Roberto Clemente Middle School     |
|   | J1257  | Brandon Grinkemeyer  |   | Roberto Clemente Middle School     |
|   | J704   | Jackson Douglas      |   | Roberto Clemente Middle School     |
|   | Senior Division: 4 Awards: Certificate, Charging Stand, Computer Backpack, Leeds Scripto Flash Jotter Bundle Set |                      |   |                                    |
|   | S503   | Matthew Du           |   | Thomas S. Wootton High School      |
|   | S601   | David Zhang          |   | Richard Montgomery High School     |

|   |  |       |   |                                    |
|---|--|-------|---|------------------------------------|
|   |  | S704  | Austin Duff   | Gaithersburg High School           |
|   |  | S901  | Pushkar Aggarwal  | Poolesville High School            |
| <b>U.S. Army - Research Office</b>        |  |       |   |                                    |
|   |  |       | <b>For Scientific Excellence in the Senior Division</b>   |                                    |
|   |  |       |   |                                    |
|   |  |       | 25 Honorable Mention: Certificate   |                                    |
|   |  | S112  | Alyssa Lesho  | Sherwood High School               |
|   |  | S112  | Demetra Tzamaras  | Sherwood High School               |
|   |  | S112  | Ashley Singh  | Sherwood High School               |
|   |  | S111  | Isha Agarwal  | Thomas S. Wootton High School      |
|   |  | S107  | Caitlin Kyber   | Sherwood High School               |
|   |  | S107  | Emily Hughes  | Sherwood High School               |
|   |  | S107  | Sara Sabry  | Sherwood High School               |
|   |  | S101  | Jenny Lee   | Sherwood High School               |
|   |  | S101  | Kristine Kim  | Sherwood High School               |
|   |  | S101  | Gyoung Oh   | Sherwood High School               |
|   |  | S504  | Russell McQueeney   | Winston Churchill High School      |
|   |  | S602  | Julia Cline   | Walt Whitman High School           |
|   |  | S601  | David Zhang   | Richard Montgomery High School     |
|   |  | S803  | Kelly Kendall   | Sherwood High School               |
|   |  | S803  | Stephanie Golding   | Sherwood High School               |
|   |  | S1011 | Evguenia Morgun   | Walter Johnson High School         |
|   |  | S1001 | Melodi Anahtar  | Montgomery Blair High School       |
|   |  | S1008 | Padmavathi Tippiaraju   | Thomas S. Wootton High School      |
|   |  | S1009 | Ziyao Wang  | Montgomery Blair High School       |
|   |  | S1017 | Kevin Tyan  | Walt Whitman High School           |
|   |  | S1022 | Kira Finkel   | Bethesda-Chevy Chase High School   |
|   |  | S1016 | Scott Hallock   | Winston Churchill High School      |
|   |  | S1101 | Daniel Frank  | Sherwood High School               |
|   |  | S1101 | Tin Lok Wong  | Sherwood High School               |
|   |  | S1101 | Paul Szewczyk   | Sherwood High School               |
|   |  | S1103 | Tiffany Le  | Poolesville High School            |
|   |  | S701  | Daniel Liss   | Charles E. Smith Jewish Day School |
|   |  | S1201 | Andrew Das Sarma  | Montgomery Blair High School       |
|   |  | S1203 | Justin Yu   | Montgomery Blair High School       |
|   |  |       | 12 Awards : Certificate of Achievement, Presentation Folder, and Messenger Bag                    |                                    |
|   |  | S113  | Abhas Arya  | Bethesda-Chevy Chase High School   |
|   |  | S113  | Amir Alwali   | Bethesda-Chevy Chase High School   |
|   |  | S207  | Justin Muste  | Thomas S. Wootton High School      |
|   |  | S302  | Grace Zhang   | Poolesville High School            |
|   |  | S407  | Lori Kaufman  | Montgomery Blair High School       |
|   |  | S902  | Christopher Hazard  | Winston Churchill High School      |
|   |  | S1020 | Llewellyn Smith   | Walt Whitman High School           |
|   |  | S1019 | Maureen Lei   | Montgomery Blair High School       |
|   |  | S1102 | Kyle Starost  | Col. Zadok Magruder High School    |
|   |  | S1202 | Jinhie Skarda   | Montgomery Blair High School       |
|   |  | S1208 | Raja Ratna Murthy Ayyagari  | Poolesville High School            |
|   |  |       | 3 Awards 1st Prize: Certificate of Achievement, Presentation Folder, Messenger Bag, and Medallion |                                    |
|   |  | S208  | Shilpa Kannan   | Montgomery Blair High School       |
|   |  | S404  | Kuo-Kai Chin  | Walter Johnson High School         |
|   |  | S704  | Austin Duff   | Gaithersburg High School           |
| <b>U.S. Metric Association</b>            |  |       |   |                                    |
|   |  |       | <b>For Best Use of the SI Metric System for a Significant Amount of Quantitative Measurement</b>  |                                    |
|   |  |       | 2 Awards Junior Division: Certificate   |                                    |
|   |  | J210  | Farah Kabir   | Roberto Clemente Middle School     |
|   |  | J1204 | Jacob Glueck  | Charles E. Smith Jewish Day School |
|   |  |       | 2 Awards Senior Division: Certificate   |                                    |
|   |  | S404  | Kuo-Kai Chin  | Walter Johnson High School         |
|   |  | S1203 | Justin Yu   | Montgomery Blair High School       |
| <b>U.S. Nuclear Regulatory Commission</b> |  |       |   |                                    |
|   |  |       | <b>For Outstanding Projects in Nuclear Science or Engineering (PLEASE STAND ONLY)</b>             |                                    |
|   |  |       | Juniors   |                                    |
|   |  |       | Honorable Mention:  |                                    |
|   |  | J1249 | Wenqing Xu  | Roberto Clemente Middle School     |
|   |  | J1007 | Sangho Samuel Myung   | Herbert Hoover Middle School       |
|   |  |       | 3rd Place Certificate of Recognition  |                                    |
|   |  | J703  | Pablo Lopez   | Holy Cross School                  |

|  |   |                      |  |
|--|---|----------------------|--|
|  | 2nd Place Certificate of Recognition  |                      |  |
|  | J1255   | Thomas Weeden        | St. Catherine Laboure School           |
|  | 1st Place Certificate of Recognition  |                      |  |
|  | J734  | Rachit Agarwal       | Roberto Clemente Middle School         |
|  | Seniors:  |                      |  |
|  | Honorable Mention:  |                      |  |
|  | S1203   | Justin Yu            | Montgomery Blair High School           |
|  | S1013   | Ajay Kannan          | Montgomery Blair High School           |
|  | 3rd Place Certificate of Recognition  |                      |  |
|  | S502  | Ann Choi             | Montgomery Blair High School           |
|  | 2nd Place Certificate of Recognition  |                      |  |
|  | S701  | Daniel Liss          | Charles E. Smith Jewish Day School     |
|  | 1st Place Certificate of Recognition  |                      |  |
|  | S1017   | Kevin Tyan           | Walt Whitman High School               |
|  |   |                      |  |
| <b>U.S. Public Health Service - Commissioned Officers Association</b>  |   |                      |  |
| <b>For Outstanding Projects in Health-related Research</b>   |   |                      |  |
|  | Meritorious Achievement: Medal and Certificate  |                      |  |
|  | S109  | Jhansi Katakam       | Thomas S. Wootton High School          |
|  | S112  | Alyssa Lesho         | Sherwood High School                   |
|  | S112  | Demetra Tzamaras     | Sherwood High School                   |
|  | S112  | Ashley Singh         | Sherwood High School                   |
|  | S301  | Raymond Li           | Winston Churchill High School          |
|  | S303  | Xiangxi Gao          | Walter Johnson High School             |
|  | S304  | Adam Goode           | Walt Whitman High School               |
|  | S501  | Vinay Sriram         | Poolesville High School                |
|  | S502  | Ann Choi             | Montgomery Blair High School           |
|  | S901  | Pushkar Aggarwal     | Poolesville High School                |
|  | S902  | Christopher Hazard   | Winston Churchill High School          |
|  | S1001   | Melodi Anahtar       | Montgomery Blair High School           |
|  | S1004   | Brian Fanelli        | Sherwood High School                   |
|  | S1004   | Emma Newcomb         | Sherwood High School                   |
|  | S1007   | Wei Cheng            | Thomas S. Wootton High School          |
|  | S1010   | Subhradeep Datta     | Thomas S. Wootton High School          |
|  | S1011   | Evguenia Morgun      | Walter Johnson High School             |
|  | S1013   | Ajay Kannan          | Montgomery Blair High School           |
|  | S1014   | Sharon Ong           | Winston Churchill High School          |
|  | S1017   | Kevin Tyan           | Walt Whitman High School               |
|  | S1101   | Daniel Frank         | Sherwood High School                   |
|  | S1101   | Tin Lok Wong         | Sherwood High School                   |
|  | S1101   | Paul Szewczyk        | Sherwood High School                   |
|  | S1212   | Waliullah Rifai      | Col. Zadok Magruder High School        |
|  | 3rd Place Distinguishing Achievement  |                      |  |
|  | S1020   | Llewellyn Smith      | Walt Whitman High School               |
|  | 2nd Place Distinguishing Achievement  |                      |  |
|  | S207  | Justin Muste         | Thomas S. Wootton High School          |
|  | 1st Place Distinguishing Achievement  |                      |  |
|  | S1009   | Ziyao Wang           | Montgomery Blair High School           |
|  |   |                      |  |
| <b>Washington Statistical Society</b>  |   |                      |  |
| <b>For Excellence in the Investigation or Use of Statistical Methods</b>   |   |                      |  |
|  | Honorable Mention: Certificates of Excellence   |                      |  |
|  | J1201   | Gillian Hutter       | Stone Ridge School of the Sacred Heart |
|  | S1020   | Llewellyn Smith      | Walt Whitman High School               |
|  | S104  | Rebecca Stussman     | Sherwood High School                   |
|  | S104  | Jackie Weiss         | Sherwood High School                   |
|  | S115  | Akhila Vishnubhotla  | Thomas S. Wootton High School          |
|  | Two 2nd Place prizes: Statistics book, Subscription to "Significance" magazine, Certificate and Certificate of Excellence |                      |  |
|  | S109  | Jhansi Katakam       | Thomas S. Wootton High School          |
|  | S1011   | Evguenia Morgun      | Walter Johnson High School             |
|  | 1st Place: \$150, Subscription to "Significance" magazine, Certificate and Certificate of Excellence                      |                      |  |
|  | S901  | Pushkar Aggarwal     | Poolesville High School                |
|  |   |                      |  |
| <b>Yale Science &amp; Engineering Assoc. Inc.</b>  |   |                      |  |
| <b>For the Most Outstanding 11th Grade Student from the Areas of Computer Science, Engineering, Physics or Chemistry</b> |   |                      |  |
|  | 2 Awards: Certificate of Merit and Medallion  |                      |  |
|  | S405  | Jee-Eun Rosaline Rho | Bullis School                          |
|  | S504  | Russell McQueeney    | Winston Churchill High School          |