

Award Winners from the 50TH ANNIVERSARY  
*Science MONTGOMERY*  
The Montgomery Area Science Fair

**ISEF AWARDS in the Senior Division**

Winners: Expense paid trip to compete in the INTEL International Science and Engineering Fair,  
May 7-13 in Indianapolis, IN and \$250 Award

Biochemistry      Yueyang Li      Montgomery Blair High School  
Transient Gene Expression in HEK-293 Cells: Efficacy of Liposomal  
Transfection for Protein Production by Suspension Cultures

Engineering      Walter Beller-Morales      Bethesda-Chevy Chase High School  
                                 Sam Wagner      Bethesda-Chevy Chase High School  
                                 Peter Sebrechts      Bethesda-Chevy Chase High School  
Distal and Proximal Search Strategies for Robotic Path Recovery

Environmental      Sikandar Porter-Gill      Gaithersburg High School  
Sciences  
Harvesting Energy from Wastewater in a 2-Chamber Microbial Fuel Cell

Zoology      Beatrice Parker      Bethesda-Chevy Chase High School  
Examination of Long-term Memory in Heterozygous Mindbomb Mutant Zebrafish

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

Computer      John Silberholz      Montgomery Blair High School  
Science  
The Application of Novel Improvements in Genetic Algorithms to Generalized  
Traveling Salesman Problem Heuristics

2nd Runner Up: \$100 Cash and Second Alternate for trip to ISEF

Earth and      Kira Maker      Thomas S. Wootton High School  
Space Science

Solar Flares and Sudden Ionospheric Disturbances: The Effect of Class vs.  
Solar Zenith Angle

## JUNIOR DIVISION GRADES 6-8

### Behavioral and Social Sciences

1	J105	Jacob Hurwitz	Robert Frost Middle School
1	J105	Scott Yu	Robert Frost Middle School
2	J102	Caroline Diehl	Takoma Park Middle School
3	J112	Lyla Lawless	Home Schooled
H	J101	Diana Jing	Takoma Park Middle School
H	J108	Kristen Rosano	Takoma Park Middle School
H	J115	Jennifer Wang	Roberto Clemente Middle School
H	J122	Emily Farr	Takoma Park Middle School
H	J122	Xinyi Zhou	Takoma Park Middle School

### Biochemistry

1	J206	Brogan Murphy	St. Catherine Laboure School
2	J209	Katherine Sanders	North Bethesda Middle School
3	J207	Juliana Biro	Cabin John Middle School

### Botany

1	J303	Arthur Colle	North Bethesda Middle School
2	J317	Vishnu Rao	Takoma Park Middle School
3	J311	Nicholas Chisholm	Earl B. Wood Middle School
H	J301	Nathalie Deroin	Roberto Clemente Middle School
H	J301	Jessica Repep	Roberto Clemente Middle School
H	J316	Marianne Naval	Takoma Park Middle School
H	J313	Brina Seidel	Takoma Park Middle School
H	J307	Neha Prasad	Holton-Arms School

### Chemistry

1	J403	Pranav Gokhale	Roberto Clemente Middle School
2	J417	Hillary Siegall	Roberto Clemente Middle School
2	J417	Caitlin Campbell	Roberto Clemente Middle School
3	J425	Erin Ingeholm	A. Mario Loiederman Middle School
H	J408	Valeria Nogales	Earl B. Wood Middle School
H	J409	Zaena Tessema	Newport Mill Middle School

### Computer Science

1	J503	Scott Zimmermann	Roberto Clemente Middle School
1	J503	Andrew Gallagher	Roberto Clemente Middle School
2	J504	Urja Mittal	Takoma Park Middle School
3	J502	Anand Oza	Takoma Park Middle School
H	J501	Prashanth Venkataram	Cabin John Middle School

### Earth and Space Science

1	J606	Alison Post	Redland Middle School
2	J607	Jessica McHale	North Bethesda Middle School
3	J604	Manoli Anagnostiadis	Cabin John Middle School
3	J608	Allison Arai	Takoma Park Middle School

### Engineering

1	J704	A. Yashodhara Rao	Thomas W. Pyle Middle School
2	J705	Steven Bodine	Parkland Middle School
3	J711	Yi (Amy) Xiao	Takoma Park Middle School
3	J711	Anita Or	Takoma Park Middle School

### Environmental Sciences

1	J809	David Tao	Takoma Park Middle School
2	J815	Devin Zhang	Takoma Park Middle School
3	J805	Curtis Betz	John H. Poole Middle School
3	J819	Hannah Kebede	A. Mario Loiederman Middle School
H	J804	Poorna Natarajan	Takoma Park Middle School
H	J811	Danielle Lembo	St. Andrew Apostle School
H	J811	Katy Gillis	St. Andrew Apostle School
H	J811	Maddy Cuddihy	St. Andrew Apostle School
H	J801	Margaret Gratian	Earl B. Wood Middle School

### Mathematics

1	J906	Jordan Hirsh	Takoma Park Middle School
2	J908	Andrew Das Sarma	Takoma Park Middle School
3	J905	Tyler Babich	Earl B. Wood Middle School

**Medicine and Health**

1	J1007	Sara Hou	Holton-Arms School
2	J1009	James Shepherdson	Takoma Park Middle School
3	J1001	Gregory Segal	North Bethesda Middle School
H	J1004	Shilpa Kannan	Takoma Park Middle School

**Microbiology**

1	J1107	Sarah Bao	Roberto Clemente Middle School
1	J1107	Janice Lan	Roberto Clemente Middle School
1	J1107	Laura Sirbu	Roberto Clemente Middle School
2	J1103	Meagan Carr	Holton-Arms School
3	J1101	Caitlin Montgomery	Holton-Arms School
H	J1102	Hakyung Shin	Takoma Park Middle School
H	J1105	Colin Smith	Sligo Middle School
H	J1106	Jeechee Chen	Takoma Park Middle School
H	J1106	Conway Xu	Takoma Park Middle School
H	J1108	Emma Luigard	Takoma Park Middle School
H	J1109	Phylicia Mpas	St. Catherine Laboure School

**Physics**

1	J1201	Michael Cohen	Takoma Park Middle School
1	J1216	Earl Smith	North Bethesda Middle School
3	J1224	Mark Berry	Takoma Park Middle School
H	J1209	Gabriela Mujica	Earl B. Wood Middle School
H	J1210	John Lee Lillibridge	North Bethesda Middle School
H	J1221	Ajay Kannan	Takoma Park Middle School
H	J1229	Chris Salzano	Earl B. Wood Middle School

**Zoology**

1	J1304	Rebecca Murtha	Sligo Middle School
2	J1303	Kelly Stottlemeyer	John H. Poole Middle School
2	J1303	Mary Gillespie	John H. Poole Middle School
3	J1305	Emily Jones	John H. Poole Middle School

## SENIOR DIVISION GRADES 9-12

### Behavioral and Social Sciences

1	S117	Blake Gilbert	Sherwood High School
2	S111	Ryan Ly	Montgomery Blair High School
3	S129	Emma Newhall	Sherwood High School
3	S110	Melissa Lee	Sherwood High School
H	S112	Christine Be	Sherwood High School
H	S115	Pingting Nie	Thomas S. Wootton High School
H	S124	Lauren Ochsenreiter	Sherwood High School
H	S124	Cody Hysell	Sherwood High School
H	S131	Arslaan Arshed	Sherwood High School

### Biochemistry

1	S212	Yueyang Li	Montgomery Blair High School
2	S217	Benjamin Hoffman	Georgetown Day School
3	S206	Seth Hoffman	Richard Montgomery High School
3	S207	Shima Gholamimehrabad	Muslim Community School
H	S211	Dalue Song	Winston Churchill High School

### Botany

1	S311	Erin Hendricken	Sherwood High School
2	S315	Cindy Cheng	Bullis School
3	S314	Audrey Wong	Sherwood High School
3	S314	Ahmed Abdi	Sherwood High School
H	S308	Reino Sammeta	Sherwood High School
H	S308	Yevgeniy Rubin	Sherwood High School
H	S317	Tiffany Chu	Quince Orchard High School
H	S309	Francesca Bozzelli	Sherwood High School
H	S312	Maria Perez	Sherwood High School

### Chemistry

1	S401	Sridar Ravi	Watkins Mill High School
2	S408	Sarvesh Ramprakash	Winston Churchill High School
3	S406	Amanda Burton	Sherwood High School
H	S407	Stephanie Douglas	Stone Ridge School of the Sacred Heart
H	S404	Michelle Shero	Sherwood High School

### Computer Science

1	S504	John Silberholz	Montgomery Blair High School
2	S501	Daniel Green	Montgomery Blair High School
3	S502	Jeremy Ong	Winston Churchill High School
H	S503	Nick Latourette	Bethesda-Chevy Chase High School

### Earth and Space Science

1	S602	Kira Maker	Thomas S. Wootton High School
2	S604	Lauren Bodin	Montgomery Blair High School
3	S603	Peyton McGuire	Sherwood High School

### Engineering

1	S703	Walter Beller-Morales	Bethesda-Chevy Chase High School
1	S703	Sam Wagner	Bethesda-Chevy Chase High School
1	S703	Peter Sebrechts	Bethesda-Chevy Chase High School
2	S708	Faith Kung	Winston Churchill High School
3	S709	Stuart Carroll	Sherwood High School

### Environmental Sciences

1	S804	Sikandar Porter-Gill	Gaithersburg High School
2	S801	Bryant Renaud	Bethesda-Chevy Chase High School
3	S806	Tom Swartz	Bethesda-Chevy Chase High School
H	S813	Kelly Hinkle	Sherwood High School

### Mathematics

1	S903	Paul Kominers	Walt Whitman High School
2	S902	Esteban Carrillo	Montgomery Blair High School
3	S902	Estefany Carrillo	Montgomery Blair High School
H	S901	Avishek Panth	Bethesda-Chevy Chase High School

**Medicine and Health**

<b>1</b>	S1007	Lu Chen	Montgomery Blair High School
<b>2</b>	S1011	Craig Raphael	Winston Churchill High School
<b>3</b>	S1027	Elizabeth Plum	Seneca Valley High School
<b>H</b>	S1018	Nellie Darling	Thomas S. Wootton High School
<b>H</b>	S1021	Neha Agarwal	Seneca Valley High School
<b>H</b>	S1008	Rachel Lee	Montgomery Blair High School
<b>H</b>	S1035	Andrew Mertz	Col. Zadok Magruder High School
<b>H</b>	S1020	Kristi Chakrabarti	Montgomery Blair High School

**Microbiology**

<b>1</b>	S1105	Alexander Bernstein	Bethesda-Chevy Chase High School
<b>2</b>	S1104	Alex Vaskov	Bethesda-Chevy Chase High School
<b>3</b>	S1103	Abigail Fitzsimons	Bethesda-Chevy Chase High School
<b>H</b>	S1106	Kunj Patel	Sherwood High School

**Physics**

<b>1</b>	S1204	Nina Simkova	Sherwood High School
<b>2</b>	S1202	Erin Wolpert	Bethesda-Chevy Chase High School
<b>3</b>	S1203	Kyle Peters	Sherwood High School

**Zoology**

<b>1</b>	S1303	Beatrice Parker	Bethesda-Chevy Chase High School
<b>2</b>	S1306	Yang Shan	Montgomery Blair High School
<b>3</b>	S1304	Ini Li	Thomas S. Wootton High School

**SPECIAL AWARDS FROM SUPPORTING GROUPS  
ALL GRADES**

**U.S. Air Force**

**For Excellence in Math, Science and Engineering by  
Youth who will be Tomorrow's Leaders**

4 USAF Awards: Padfolio, Electronic Rolodex Organizer,  
Certificate of Merit, and Medallion

S502	Jeremy Ong	Winston Churchill High School
S804	Sikandar Porter-Gill	Gaithersburg High School
S903	Paul Kominers	Walt Whitman High School
S1008	Rachel Lee	Montgomery Blair High School

**American Institute for Aeronautics and Astronautics - Washington Captial Section  
For Excellent Achievements in Projects in Space and Aviation**

**Junior Division:  
3rd Place: Certificate**

J608	Allison Arai	Takoma Park Middle School
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**2nd Place: Certificate**

J403	Pranav Gokhale	Roberto Clemente Middle School
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**1st Prize Juniors:** 1 week at the Galaxy Explorers Moon Base 1 summer camp at Goddard Space Flight Center, Invitation to Awards Banquet, one year student membership

J704	A. Yashodhara Rao	Thomas W. Pyle Middle School
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**Senior Division:**

**3rd Place Certificate**

S401	Sridar Ravi	Watkins Mill High School
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**2nd Place Certificate**

S711	A. Sarada Rao	Walt Whitman High School
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**1st Prize Seniors:** 1 week at the Galaxy Explorers Moon Base 1 summer camp at Goddard Space Flight Center, Invitation to Awards Banquet, one year student membership

S504	John Silberholz	Montgomery Blair High School
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**Grand Prize:** One week at Space Camp/Aviation Challenge,

Invitation to Awards Banquet plus one year student membership

S801	Bryant Renaud	Bethesda-Chevy Chase High School
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**American Industrial Hygiene Assoc., Potomac Section  
For Outstanding Use of Industrial Hygiene Practices**

3rd Place-Certificate and \$25

S806	Tom Swartz	Bethesda-Chevy Chase High School
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2nd Place Certificate and \$50

J804	Poorna Natarajan	Takoma Park Middle School
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1st Place Certificate and \$100

J805	Curtis Betz	John H. Poole Middle School
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**American Meteorological Society (AMS)**

**For Outstanding Achievement for Ability and Creativity  
in an Atmospheric Science**

Certificate of Achievement and an invitation to attend AMS Banquet

3rd Place Junior Division:

J801	Margaret Gratian	Earl B. Wood Middle School
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2nd Place Junior Division:

J1220	Griffin Lerner	Sligo Middle School
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1st Place Junior Division:

J815	Devin Zhang	Takoma Park Middle School
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3rd Place Senior Division:

S810	Sophia Rizvi	Col. Zadok Magruder High School
S402	Steven Overly	Sherwood High School

2nd Place Senior Division:

S602	Kira Maker	Thomas S. Wootton High School
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1st Place Senior Division:

S1009

Erik Klontz

Bethesda-Chevy Chase High School

**American Nuclear Society; Washington, DC Section  
For Outstanding Achievement in Projects in  
Nuclear Physics and Technology**

3rd Place Certificate		
J301	Nathalie Deroin	Roberto Clemente Middle School
J301	Jessica Repep	Roberto Clemente Middle School
J812	Elizabeth Axley	A. Mario Loiederman Middle School
2nd Place Certificate and Book		
J311	Nicholas Chisholm	Earl B. Wood Middle School
1st Place Certificate and \$100		
J704	A. Yashodhara Rao	Thomas W. Pyle Middle School

**American Psychological Assoc. & Teachers of Psychology in Secondary Schools  
Recognizing Outstanding Research Projects in Psychology**

Junior Division Certificate		
J105	Jacob Hurwitz	Robert Frost Middle School
J105	Scott Yu	Robert Frost Middle School
Senior Division Certificate		
S117	Blake Gilbert	Sherwood High School

**American Society of Mechanical Engineers  
For Outstanding Demonstration of the Principles and  
Practices of Mechanical Engineering**

Honorable Mention Certificate and Letter		
S705	Adam Evans	Bethesda-Chevy Chase High School
3rd Place Certificate, Letter, and \$25		
S703	Walter Beller-Morales	Bethesda-Chevy Chase High School
S703	Sam Wagner	Bethesda-Chevy Chase High School
S703	Peter Sebrechts	Bethesda-Chevy Chase High School
2nd Place Certificate, Letter, and \$50		
S708	Faith Kung	Winston Churchill High School
1st Place Certificate, Letter, and \$75		
S801	Bryant Renaud	Bethesda-Chevy Chase High School

**American Society of Naval Engineers  
For Excellence in Environmental-Related Projects**

Junior Division: Certificate and 1 year membership to ASNE		
J811	Danielle Lembo	St. Andrew Apostle School
J811	Katy Gillis	St. Andrew Apostle School
J811	Maddy Cuddihy	St. Andrew Apostle School
Senior Division: Certificate and 1 year membership to ASNE		
S801	Bryant Renaud	Bethesda-Chevy Chase High School

**ASRC Aerospace Corporation  
For Projects Reflecting an Interest in Space Science**

Complimentary ASRC Corporate Totems Placed at Project Displays

**Association for Computing Machinery (ACM)  
For Projects Reflecting an Interest in Computer Science**

Honorary One Year Student Membership		
J502	Anand Oza	Takoma Park Middle School
J503	Scott Zimmermann	Roberto Clemente Middle School
J503	Andrew Gallagher	Roberto Clemente Middle School
J504	Urja Mittal	Takoma Park Middle School
J1201	Michael Cohen	Takoma Park Middle School
S501	Daniel Green	Montgomery Blair High School
S502	Jeremy Ong	Winston Churchill High School
S503	Nick Latourette	Bethesda-Chevy Chase High School
S504	John Silberholz	Montgomery Blair High School
S902	Esteban Carrillo	Montgomery Blair High School
S902	Estefany Carrillo	Montgomery Blair High School



**Association for Women Geoscientists****For a Project by a Female Student for High Standards of Innovativeness and Scientific Excellence in the Geosciences**

Junior Division Certificate of Excellence

J606

Alison Post

Redland Middle School

**Association of Practicing Psychologists of Montgomery and Prince George's Co.s  
For Excellence in Behavioral Science**

Junior Division:

2nd Place: Certificate and \$32.50

J112

Lyla Lawless

Home Schooled

J102

Caroline Diehl

Takoma Park Middle School

1st Place: Certificate and \$50

J105

Jacob Hurwitz

Robert Frost Middle School

J105

Scott Yu

Robert Frost Middle School

Senior Division:

3rd Place: Certificate and \$25

S129

Emma Newhall

Sherwood High School

S129

Rachel Feinberg

Sherwood High School

2nd Place: Certificate and \$40

S111

Ryan Ly

Montgomery Blair High School

1st Place: Certificate and \$50

S117

Blake Gilbert

Sherwood High School

**Central Intelligence Agency****For Projects in Technologies of National Interest**

Invitation to Awards Ceremony and Tour of CIA Headquarters

S401

Sridar Ravi

Watkins Mill High School

S711

A. Sarada Rao

Walt Whitman High School

S709

Stuart Carroll

Sherwood High School

S501

Daniel Green

Montgomery Blair High School

S502

Jeremy Ong

Winston Churchill High School

S504

John Silberholz

Montgomery Blair High School

S901

Avishek Panth

Bethesda-Chevy Chase High School

S117

Blake Gilbert

Sherwood High School

**Chemical Society of Washington****For Projects Demonstrating Excellence in Chemistry**

Certificates of Merit

J402

Youjong Oh

Earl B. Wood Middle School

J403

Pranav Gokhale

Roberto Clemente Middle School

J405

Bradley Ragazinsky

John H. Poole Middle School

J408

Valeria Nogales

Earl B. Wood Middle School

J409

Zaena Tessema

Newport Mill Middle School

J415

Michelle Murgia

John H. Poole Middle School

Julia Barnes

John H. Poole Middle School

J416

Zack Solomon

Sligo Middle School

J417

Hillary Siegall

Roberto Clemente Middle School

Caitlin Campbell

Roberto Clemente Middle School

J418

Daniel Wolf

Earl B. Wood Middle School

J423

Crystal Thompson

A. Mario Loiederman Middle School

S401

Sridar Ravi

Watkins Mill High School

S402

Steven Overly

Sherwood High School

S404

Michelle Shero

Sherwood High School

S406

Amanda Burton

Sherwood High School

S407

Stephanie Douglas

Stone Ridge School of the Sacred Heart

S408

Sarvesh Ramprakash

Winston Churchill High School

**Commissioned Officers Association of the U.S Public Health Service**

Certificate and \$50

S1008 Rachel Lee Montgomery Blair High School

Certificate and Microscope

S201 Daniel Eichberg Winston Churchill High School

J207 Juliana Biro Cabin John Middle School

J417 Hillary Siegall Roberto Clemente Middle School

J417 Caitlin Campbell Roberto Clemente Middle School

**Discovery Channel Young Scientist Challenge**

**For 6-8th Grade Students for Knowledge of and Ability to Communicate Effectively about Science**

Certificate of Excellence, Pin, and Entry to National Competition will be Presented to Winners of Each Category in Junior Division

**Energy and Air Quality Advisory Committee of Montgomery County**

**For Best Projects in Air Quality and Energy Technology**

1st Place in Air Quality: \$100 to be given at Rotary meeting

S1009 Erik Klontz Bethesda-Chevy Chase High School

1st Place in Energy Technology: \$100 to be given at Rotary meeting

J811 Danielle Lembo St. Andrew Apostle School

J811 Katy Gillis St. Andrew Apostle School

J811 Maddy Cuddihy St. Andrew Apostle School

**Federal Water Quality Association**

Junior Division:

Honorable Mention: Certificate

J405 Bradley Ragazinsky John H. Poole Middle School

3rd Place: Certificate

J813 Deepa Chellappa Takoma Park Middle School

2nd Place: Certificate

J802 Ashley Foley St. Catherine Laboure School

J802 Moira Malloy St. Catherine Laboure School

1st Place: Certificate and \$100 Savings Bond

J812 Elizabeth Axley A. Mario Loiederman Middle School

Senior Division:

Honorable Mention: Certificate

S811 David White Bethesda-Chevy Chase High School

S811 Jonathan Krynitsky Bethesda-Chevy Chase High School

3rd Place: Certificate

S806 Tom Swartz Bethesda-Chevy Chase High School

2nd Place: Certificate

S813 Kelly Hinkle Sherwood High School

1st Place: Certificate and \$100 Savings Bond

S805 Anna Ralchenko Quince Orchard High School

S805 Katherine Perino Quince Orchard High School

**Friends of Agricultural Research--Beltsville (FAR-B)****For Excellent Junior Projects Relating to Agriculture**

3rd Place: Certificate of Merit; \$20 certificate for Giant Foods

Tour of Beltsville Agricultural Center

J203	Matthew Schliep	Robert Frost Middle School
	Thomas Mielewczyk	Robert Frost Middle School
	Christopher Liu	Robert Frost Middle School
J318	Shane McNally	St. Andrew Apostle School
J705	Steven Bodine	Parkland Middle School
J1103	Meagan Carr	Holton-Arms School

2nd Place: Certificate of Merit; \$25 certificate for Giant Foods

Tour of Beltsville Agricultural Center

J206	Brogan Murphy	St. Catherine Laboure School
J307	Neha Prasad	Holton-Arms School
J606	Alison Post	Redland Middle School
J1004	Shilpa Kannan	Takoma Park Middle School

1st Place: Certificate of Merit; \$50 certificate for Giant Foods

Tour of Beltsville Agricultural Center

J417	Hillary Siegall	Roberto Clemente Middle School
	Caitlin Campbell	Roberto Clemente Middle School
J317	Vishnu Rao	Takoma Park Middle School
J704	A. Yashodhara Rao	Thomas W. Pyle Middle School
J1107	Sarah Bao	Roberto Clemente Middle School
	Janice Lan	Roberto Clemente Middle School
	Laura Sirbu	Roberto Clemente Middle School

**Gem, Lapidary and Mineral Society of Montgomery County, MD****For Projects that Demonstrate geological or Mineralogical Interest**

1st Place Certificate and Check for \$50

J606	Alison Post	Redland Middle School
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**George Washington University Engineering Alumni Association****Recognizing Outstanding Projects in Engineering Categories**

Gift and Invitation to Dean's Reception

S401	Sridar Ravi	Watkins Mill High School
S711	A. Sarada Rao	Walt Whitman High School
S501	Daniel Green	Montgomery Blair High School
S502	Jeremy Ong	Winston Churchill High School
S408	Sarvesh Ramprakash	Winston Churchill High School
S714	Lauren Sylvester	Sherwood High School
S714	Cassandra Scaggs	Sherwood High School
S703	Walter Beller-Morales	Bethesda-Chevy Chase High School
S703	Sam Wagner	Bethesda-Chevy Chase High School
S703	Peter Sebrechts	Bethesda-Chevy Chase High School
S708	Faith Kung	Winston Churchill High School
S903	Paul Kominers	Walt Whitman High School
S404	Michelle Shero	Sherwood High School
S409	Samuel Teitelbaum	Montgomery Blair High School
S709	Stuart Carroll	Sherwood High School
S707	Tim Gallahan	Sherwood High School
S1203	Kyle Peters	Sherwood High School
S603	Peyton McGuire	Sherwood High School
S1204	Nina Simkova	Sherwood High School
S602	Kira Maker	Thomas S. Wootton High School

**Herbert Hoover Young Engineer Award****For Outstanding Engineering Projects**

Junior Division Certificate and Medallion

J704	A. Yashodhara Rao	Thomas W. Pyle Middle School
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Senior Division Certificate and Medallion

S703	Walter Beller-Morales	Bethesda-Chevy Chase High School
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S703	Sam Wagner	Bethesda-Chevy Chase High School
S703	Peter Sebrechts	Bethesda-Chevy Chase High School

**Institute of Electrical and Electronics Engineers (IEEE) Washington Section  
For Excellence in Electrical Engineering, Physics,  
Computer Science and Related Areas**

3rd Place: Certificate of Merit, \$50		
S1202	Erin Wolpert	Bethesda-Chevy Chase High School
2nd Place: Certificate of Merit, \$100		
S1020	Kristi Chakrabarti	Montgomery Blair High School
1st Place: Certificate of Merit, \$200, Invitation to Award Banquet		
S504	John Silberholz	Montgomery Blair High School

**Institute of Food Technologists, DC Section  
For Outstanding Food Science Projects**

2nd Place Junior Division: Certificate and Reception Invitator		
J206	Brogan Murphy	St. Catherine Laboure School
1st Place Junior Division: Certificate, Book, and Reception Invitator		
J417	Hillary Siegall	Roberto Clemente Middle School
J417	Caitlin Campbell	Roberto Clemente Middle School
1st Place Senior Division: Certificate, Book, and Reception Invitator		
S406	Amanda Burton	Sherwood High School

**Intel Excellence in Computer Science Award  
For Excellence in the Senior Computer Science Category**

Intel Award Certificate, \$200		
S504	John Silberholz	Montgomery Blair High School

**International Society for Optical Engineering-SPIE  
For Outstanding Optics or Photonics Related Technology**

2nd Place Junior Division: Certificate and \$75		
J811	Danielle Lembo	St. Andrew Apostle School
J811	Katy Gillis	St. Andrew Apostle School
J811	Maddy Cuddihy	St. Andrew Apostle School
1st Place Junior Division: Certificate and \$125		
J1216	Earl Smith	North Bethesda Middle School
2nd Place Senior Division: Certificate and \$100		
S709	Stuart Carroll	Sherwood High School
1st Place Senior Division: Certificate and \$200		
S707	Tim Gallahan	Sherwood High School

**MdBio  
For Outstanding Achievement in the Biological Sciences**

Invitation to Compete in 2007 Maryland BioGENEius Competition Leading to the International BioGENEius Challenge Competition Grades 6-11		
S804	Sikandar Porter-Gill	Gaithersburg High School
S1303	Beatrice Parker	Bethesda-Chevy Chase High School

**MedImmune  
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**

MedImmune Advancing Science for Better Health Award: \$100, Plaque, and a 6-week Paid Internship at MedImmune		
S1012	Kiran Belani	Montgomery Blair High School

**Mu Alpha Theta  
For Challenging, Original, Thorough and Creative Investigation of  
Problems involving Modern Mathematics**

Certificate of Achievement  
S903 Paul Kominers Walt Whitman High School

**National Association of Biology Teachers**

**For Projects Exemplifying the Highest Standards of  
Innovativeness and Scientific Excellence in Life Science**

Junior Division: Certificate of Honor  
J301 Nathalie Deroin Roberto Clemente Middle School  
Jessica Repep Roberto Clemente Middle School  
Senior Division: Certificate of Honor  
S206 Seth Hoffman Richard Montgomery High School

**National Capital Astronomers**

**For projects exemplifying excellence in astronomy**

Project awards: 1 year membership in the NCA, a subscription to "Sky and Telescope" magazine, and an invitation to present the project at an NCA meeting

Junior Division:  
J608 Allison Arai Takoma Park Middle School  
Senior Division:  
S602 Kira Maker Thomas S. Wootton High School

**National Oceanic and Atmospheric Administration (NOAA)**

**For Research Emphasizing NOAA's mission to  
Understand and Predict Changes in Earth's Environment  
and Conserve and Manage Coastal and Marine Resources to meet  
our Nation's Economic, Social and Environmental Needs**

Junior Division: Certificate of Honor  
J815 Devin Zhang Takoma Park Middle School  
Senior Division: Certificate of Honor  
S602 Kira Maker Thomas S. Wootton High School

**National Society of Professional Engineers**

**For Projects Demonstrating Innovative Engineering**

Certificate of Honor, Lapel Pin  
S703 Walter Beller-Morales Bethesda-Chevy Chase High School  
S703 Sam Wagner Bethesda-Chevy Chase High School  
S703 Peter Sebrechts Bethesda-Chevy Chase High School  
S704 Darya Gakh Bethesda-Chevy Chase High School

**National Space Club**

**For Excellence in Space Science and Technology**

Honorable Mention: Certificate of Excellence  
J1216 Earl Smith North Bethesda Middle School  
J1218 Kyujoo Choi Takoma Park Middle School  
1st Place: \$500  
J1201 Michael Cohen Takoma Park Middle School

**Northrop Grumman**

**For 10 Outstanding Projects in the Physical Sciences,  
Math, Computer, and Related Categories  
in which Northrop Grumman has Corporate Interests**

Project Awards: \$100 Savings Bond  
S502 Jeremy Ong Winston Churchill High School  
S602 Kira Maker Thomas S. Wootton High School  
S705 Adam Evans Bethesda-Chevy Chase High School  
S708 Faith Kung Winston Churchill High School  
S714 Lauren Sylvester Sherwood High School  
S714 Cassandra Scaggs Sherwood High School  
S801 Bryant Renaud Bethesda-Chevy Chase High School

S804	Sikandar Porter-Gill	Gaithersburg High School
S808	Soo-Hwa Kim	Col. Zadok Magruder High School
S903	Paul Kominers	Walt Whitman High School
S1204	Nina Simkova	Sherwood High School

**Office of Naval Research**

**For Achievement in Science, Technology, Math and Engineering**

Junior Division: Naval Science Certificate and Medallion

J704	A. Yashodhara Rao	Thomas W. Pyle Middle School
J1221	Ajay Kannan	Takoma Park Middle School
J711	Yi (Amy) Xiao	Takoma Park Middle School
J711	Anita Or	Takoma Park Middle School

Senior Division: Naval Science Certificate, Medallion, and \$50 Gift Certificate

S602	Kira Maker	Thomas S. Wootton High School
S707	Tim Gallahan	Sherwood High School
S711	A. Sarada Rao	Walt Whitman High School

**Optical Society of America, National Capital Section**

**For Notable Achievement in the Optical Sciences**

Junior Division--Certificate of Achievement

J811	Danielle Lembo	St. Andrew Apostle School
J811	Katy Gillis	St. Andrew Apostle School
J811	Maddy Cuddihy	St. Andrew Apostle School
J1206	Eunjae Lee	Cabin John Middle School
J1206	Margalit Pelta-Pauls	Cabin John Middle School
J203	Matthew Schliep	Robert Frost Middle School
J203	Thomas Mielewczyk	Robert Frost Middle School
J203	Christopher Liu	Robert Frost Middle School

Junior Division--Certificate of Achievement and Invitation to Science Fair Banquet

J608	Allison Arai	Takoma Park Middle School
J1216	Earl Smith	North Bethesda Middle School

Senior Division--Certificate of Achievement

S1202	Erin Wolpert	Bethesda-Chevy Chase High School
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Senior Division--Certificate of Achievement and Invitation to Science Fair Banquet

S1020	Kristi Chakrabarti	Montgomery Blair High School
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**Ricoh Sustainable Development Award 2006**

**For Outstanding Projects Addressing the Potential for Increasing Our Ability to Grow Environmentally Friendly and Socially Responsible Businesses**

Junior Division: Certificate and Subscription to Science News Magazine

J811	Danielle Lembo	St. Andrew Apostle School
	Katy Gillis	St. Andrew Apostle School
	Maddy Cuddihy	St. Andrew Apostle School

Senior Division: Certificate and Subscription to Science News Magazine

S804	Sikandar Porter-Gill	Gaithersburg High School
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**Sigma Delta Epsilon Graduate Women in Science, Omicron Chapter**

**For Outstanding Projects by Women**

Certificate of Recognition

S115	Pingting Nie	Thomas S. Wootton High School
S129	Emma Newhall	Sherwood High School
S129	Rachel Feinberg	Sherwood High School
S309	Francesca Bozzelli	Sherwood High School
S407	Stephanie Douglas	Stone Ridge School of the Sacred Heart
S408	Sarvesh Ramprakash	Winston Churchill High School
S601	Stephany Salazar	Bethesda-Chevy Chase High School
S711	A. Sarada Rao	Walt Whitman High School
S805	Anna Ralchenko	Quince Orchard High School
S805	Katherine Perino	Quince Orchard High School
S1008	Rachel Lee	Montgomery Blair High School
S1018	Nellie Darling	Thomas S. Wootton High School
S1308	Marisol Williams	Bethesda-Chevy Chase High School

J102	Caroline Diehl	Takoma Park Middle School
J105	Jacob Hurwitz	Robert Frost Middle School
J105	Scott Yu	Robert Frost Middle School
J112	Lyla Lawless	Home Schooled
Certificate of Excellence and One-Year Subscription to <u>Science News</u>		
S204	Urania Dagalakis	Winston Churchill High School

#### **Sigma Xi Chapter of NIST**

##### **For Excellence in Measurement Science**

Certificate of Excellence, \$ 50, Invitation to Sigma Xi Awards Banquet		
S401	Sridar Ravi	Watkins Mill High School

#### **Sigma Xi, FDA Chapter**

##### **For Excellence in Food and Drug Science**

2nd Place: \$50 cash prize and certificate		
S1001	Liam McMahon	Bethesda-Chevy Chase High School
S1001	Gordon Sommers	Bethesda-Chevy Chase High School
1st Place: \$100 and Invitation for 3 to Spring Banquet		
S1008	Rachel Lee	Montgomery Blair High School

#### **Society of Mining, Metallurgy and Exploration (SME)**

##### **For Excellence in Mining, Metallurgy, or Exploration Technology**

SME Monogrammed Cap		
S815	Bernard Wong	Col. Zadok Magruder High School
S806	Tom Swartz	Bethesda-Chevy Chase High School
J309	Lori Defnet	John H. Poole Middle School

#### **Spectrum Science Communications**

##### **For Excellence in Communications and Health Sciences**

Top Newsmaker Award: \$75		
S1018	Nellie Darling	Thomas S. Wootton High School
Contribution to Health Award: \$75		
S1013	Scott Roberts	Winston Churchill High School

#### **Towson University**

##### **For Excellence in Science**

Towson University Award: Certificate of Excellence and \$50		
S211	Dalue Song	Winston Churchill High School
S304	Meghan Hughes	Bethesda-Chevy Chase High School

#### **U.S. Army**

##### **For Scientific/Engineering Excellence**

Honorable Mention: Certificate of Achievement		
S101	Meredith Hickson	Sherwood High School
S115	Pingting Nie	Thomas S. Wootton High School
S201	Daniel Eichberg	Winston Churchill High School
S207	Shima Gholamimehrabad	Muslim Community School
S303	Charles Schupler	Sherwood High School
S309	Francesca Bozzelli	Sherwood High School
S315	Cindy Cheng	Bullis School
S401	Sridar Ravi	Watkins Mill High School
S406	Amanda Burton	Sherwood High School
S501	Daniel Green	Montgomery Blair High School
S707	Tim Gallahan	Sherwood High School
S708	Faith Kung	Winston Churchill High School
S711	A. Sarada Rao	Walt Whitman High School
S806	Tom Swartz	Bethesda-Chevy Chase High School
S901	Avishek Panth	Bethesda-Chevy Chase High School
S903	Paul Kominers	Walt Whitman High School
S1009	Erik Klontz	Bethesda-Chevy Chase High School
S1020	Kristi Chakrabarti	Montgomery Blair High School

S1035  
S1306

Andrew Mertz  
Yang Shan

Col. Zadok Magruder High School  
Montgomery Blair High School



**U.S Army Research Office****For Scientific/Engineering Excellence**

Framed Certificate of Achievement and Army Science Fair Polo Shirt

S1303	Beatrice Parker	Bethesda-Chevy Chase High School
S1103	Abigail Fitzsimons	Bethesda-Chevy Chase High School
S1021	Neha Agarwal	Seneca Valley High School
S1016	Carlton Klein	Bethesda-Chevy Chase High School
S804	Sikandar Porter-Gill	Gaithersburg High School
S504	John Silberholz	Montgomery Blair High School
S217	Benjamin Hoffman	Georgetown Day School
S111	Ryan Ly	Montgomery Blair High School
S1030	Shwetadwip Chowdhury	Montgomery Blair High School
S1108	Katherine Hlavinka	Thomas S. Wootton High School

Framed Certificate of Achievement, Army Science Fair Polo Shirt, Medallion.

S1030	Shwetadwip Chowdhury	Montgomery Blair High School
S1108	Katherine Hlavinka	Thomas S. Wootton High School

**U.S. Metric Association****For Best Use of the SI Metric System for a Significant Amount of Quantitative Measurement**

Senior Division: Certificate of Merit

S401	Sridar Ravi	Watkins Mill High School
S804	Sikandar Porter-Gill	Gaithersburg High School

**U.S. Nuclear Regulatory Commission****For Outstanding Projects in Nuclear Science or Engineering**

U.S. NRC Awards: Certificates of Merit, Gifts, Awards Ceremony at NRC Headquarters

Runner Up Junior Division:

J811	Danielle Lembo	St. Andrew Apostle School
J811	Katy Gillis	St. Andrew Apostle School
J811	Maddy Cuddihy	St. Andrew Apostle School
J817	Elissa Shiau	Takoma Park Middle School
J817	Lena Jia	Takoma Park Middle School

Winner Junior Division:

J607	Jessica McHale	North Bethesda Middle School
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Runner Up Senior Division:

S401	Sridar Ravi	Watkins Mill High School
S703	Walter Beller-Morales	Bethesda-Chevy Chase High School
S703	Sam Wagner	Bethesda-Chevy Chase High School
S703	Peter Sebrechts	Bethesda-Chevy Chase High School

Winner Senior Division:

S217	Benjamin Hoffman	Georgetown Day School
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**U.S. Public Health Service, Commissioned Officers Association****For Creatively Illustrating 4 Key Emphases of the Surgeon General: Regular Physical Activity; a Healthy Diet; Tobacco Use is Hazardous; Injury and Illness Prevention**

Senior Division: U.S. Public Health Service Surgeon General Certificate and Commemorative Book

S1018	Nellie Darling	Thomas S. Wootton High School
S806	Tom Swartz	Bethesda-Chevy Chase High School

**Washington Statistical Society****For Excellence in the Investigation or Use of Statistical Methods**

Honorable Mention: Certificates of Excellence

J417	Hillary Siegall	Roberto Clemente Middle School
J417	Caitlin Campbell	Roberto Clemente Middle School
J1229	Chris Salzano	Earl B. Wood Middle School
J1007	Sara Hou	Holton-Arms School
J1209	Gabriela Mujica	Earl B. Wood Middle School
S1018	Nellie Darling	Thomas S. Wootton High School
S115	Pingting Nie	Thomas S. Wootton High School

2nd Place: Statistics Book, ASA School Membership, Subscription to STATS,  
and Certificate of Excellence

J503	Scott Zimmermann	Roberto Clemente Middle School
J503	Andrew Gallagher	Roberto Clemente Middle School

1st Place: \$150, ASA School Membership, Subscription to STATS,  
and Certificate of Excellence

S1021	Neha Agarwal	Seneca Valley High School
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**Water Environment Federation Stockholm Junior Water Prize****For Outstanding Water Research Project**Certificate, Mouse Pad and Invitation to Compete for the  
Maryland Stockholm Junior Water Prize

S813	Kelly Hinkle	Sherwood High School
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**West Montgomery County Citizens Association**

2nd Place: WMCCA Honored Project Ribbon

S813	Kelly Hinkle	Sherwood High School
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1st Place: WMCCA Honored Project Ribbon and an invitation to present  
project to the WMCCA

J809	David Tao	Takoma Park Middle School
J812	Elizabeth Axley	A. Mario Loiederman Middle School

**Yale Science & Engineering Assoc. Inc.****For the Most Outstanding 11th Grade Student from the Areas of  
Computer Science, Engineering, Physics or Chemistry**

Certificate of Merit and Pewter Medallion

S408	Sarvesh Ramprakash	Winston Churchill High School
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