

**The 59th Annual
Montgomery County Science Fair**
Presented by ScienceMONTGOMERY
Sunday, March 15, 2015

ISEF AWARDS in the Senior Division

Winners: Expense paid trip to compete in the INTEL International Science and Engineering Fair (ISEF), Pittsburgh, PA, May 10-15, 2015, and \$250 Award

Category	Project	Name & School	Project Title
Biology	231	Sreejan Kumar - Poolesville High School Parth Shah - Mission Viejo High School	Mathematical Modeling and Brain Activations Characterize Differences in Human Pattern Recognition under Conditions of Ambiguous Feedback
Computer Science & Mathematics	401	Cherry Zou - Poolesville High School	Development of an Authorship Identification Algorithm for Twitter using Stylometric Techniques
Computer Science & Mathematics	408	Eric Neyman - Montgomery Blair High School	Cylindric Young Tableaux and Their Properties
Engineering	505	Elina Kapoor - Winston Churchill High School	Automatic Detection of Vascular Lesions of the Retina Using a Localized Adaptive Thresholding Approach
1st Alternate: \$100 Cash and First Alternate for trip to ISEF			
Physics	704	Jared Marx-Kuo - Montgomery Blair High School	Measuring the Superconducting Energy Gap in Tunnel Junctions through Capacitive Coupling

Category Winners - Middle School

First Prizes: \$100 and Certificate
Second Prizes: \$50 and Certificate
Third Prizes: \$25 and Certificate
Teams Share Awards

M100 - Behavioral Sciences

Place	Project #	Full Name	School
1st	M101	Maddie Zalewski	Holy Cross School
2nd	M106	Maddie Ewers	Holy Cross School
2nd	M109	Saran Kaur	Parkland Middle School
3rd	M103	Marie Paxton	Holy Cross School
3rd	M104	Josephine Koelsch	Argyle Middle School
3rd	M104	Alison Neirotti	Argyle Middle School
H	M105	Jan Haro	Holy Cross School
H	M107	Daria Chen	Roberto Clemente Middle School
H	M108	Meili Gupta	Takoma Park Middle School
H	M108	Cassia Williams-Rogers	Takoma Park Middle School
H	M111	Mira Thomas	St. Andrew Apostle School

M200 - Biology

Place	Project #	Full Name	School
1st	M201	Aadity Jha	Parkland Middle School
1st	M219	Ipsa Mitra	Julius West Middle School
1st	M232	Daniel Schaffer	Takoma Park Middle School
1st	M243	Sourabh Vellala	Roberto Clemente Middle School
1st	M254	Luckshika Arudchandran	Parkland Middle School
1st	M263	Garrett Gularson	Roberto Clemente Middle School
2nd	M202	Cristina Jimenez	Parkland Middle School
2nd	M220	Melody Zeng	North Bethesda Middle School
2nd	M223	Samarth Nayak	Roberto Clemente Middle School
2nd	M231	Evelyn Reeder	Parkland Middle School
2nd	M247	Maya Wolf	Parkland Middle School
2nd	M252	Aneesh Acharya	Roberto Clemente Middle School
2nd	M256	Sophia Costa	St. Andrew Apostle School
2nd	M268	Michael Pan	Roberto Clemente Middle School
3rd	M209	Medha Kotti	Roberto Clemente Middle School
3rd	M218	Devansh Mishra	Parkland Middle School
3rd	M228	Jonathan Odum	Takoma Park Middle School
3rd	M228	Alex Sherwin	Takoma Park Middle School
3rd	M228	Daniel Yang	Takoma Park Middle School
3rd	M237	Tom Stoughton	Roberto Clemente Middle School
3rd	M259	Meili Bowden	Parkland Middle School
3rd	M267	Tejas Guha	Roberto Clemente Middle School
H	M211	Amisha Kunvar	Parkland Middle School
H	M245	Melika Sizar	Muslim Community School
H	M257	Eugene Domrachev	Roberto Clemente Middle School
H	M260	Alexa Gourdain	Parkland Middle School
H	M261	Maximilian Howard	St. Andrew Apostle School

M300 - Chemisty

Place	Project #	Full Name	School
1st	M311	Mahnaz Habib	Parkland Middle School
1st	M316	Shabarish Nair	Roberto Clemente Middle School
1st	M335	Kush Savsani	Roberto Clemente Middle School
1st	M343	Autumn Wang	Roberto Clemente Middle School
1st	M343	Michelle Zheng	Roberto Clemente Middle School
1st	M354	Claire Brizzolara	North Bethesda Middle School
1st	M364	Dilan Gangopadhyay	Thomas W. Pyle Middle School
2nd	M302	Grace Kim	Roberto Clemente Middle School
2nd	M317	Marshall Nambiar	Roberto Clemente Middle School
2nd	M324	Josephine Prickett	Forcey Christian Middle School
2nd	M328	Luke Mitchell	Holy Cross School
2nd	M329	Nadia Roghani	Muslim Community School
2nd	M350	Michael Gan	Roberto Clemente Middle School
2nd	M355	Nathaniel Harley	Parkland Middle School
2nd	M363	Briana Frost	Argyle Middle School
2nd	M363	Kayla Taylor	Argyle Middle School
3rd	M301	Christine Gong	Roberto Clemente Middle School
3rd	M309	Alan Tong	Roberto Clemente Middle School
3rd	M309	Bhavesh Kemburu	Roberto Clemente Middle School
3rd	M323	Mihika Peshwa	Roberto Clemente Middle School

3rd	M337	Chamila Sedara	Parkland Middle School
3rd	M347	Stephanie Wang	Takoma Park Middle School
3rd	M347	Katherine Lei	Takoma Park Middle School
3rd	M356	Justin Hung	Roberto Clemente Middle School
3rd	M368	Sonia Stan	Roberto Clemente Middle School
3rd	M368	Sabrina Su	Roberto Clemente Middle School
H	M312	Jeffrey Tran	Roberto Clemente Middle School
H	M314	Pershawn Hamidi	Parkland Middle School
H	M319	Emmanuel Ojamo	Takoma Park Middle School
H	M325	Megan Tsai	Parkland Middle School
H	M327	Jennifer Moy	Parkland Middle School
H	M346	Mikal Tedros	Parkland Middle School
H	M349	Jack Yang	Roberto Clemente Middle School
H	M352	Mary Chang	Takoma Park Middle School
H	M352	Suveena Sreenilayam	Takoma Park Middle School
H	M353	Arman Bolouri	Roberto Clemente Middle School
H	M357	Elias Izmirlian	Roberto Clemente Middle School
H	M358	Joshua Starost	Roberto Clemente Middle School
H	M359	Tanaya Jha	Roberto Clemente Middle School
H	M360	Hamza Khan	Parkland Middle School
H	M361	Kile Scott	Roberto Clemente Middle School
H	M365	Yashvi Shah	Argyle Middle School
H	M367	Tiago Silva	Parkland Middle School

M400 - Computer Science & Mathematics

Place	Project #	Full Name	School
1st	M406	Siobhan Light	Parkland Middle School
1st	M409	Steven Qu	Takoma Park Middle School
1st	M409	Naveen Durvasula	Takoma Park Middle School
2nd	M404	Basaam Malik	Roberto Clemente Middle School
2nd	M415	Valentina Simon	Robert Frost Middle School
2nd	M415	Lennard Poliakov	Shady Grove Middle School
3rd	M405	Sadia Nourin	Argyle Middle School
3rd	M405	Vicky Ma	Argyle Middle School
3rd	M413	Michelle Tang	Takoma Park Middle School
H	M403	Orion Gangopadhyay	Thomas W. Pyle Middle School
H	M402	Varshini Selvadurai	Roberto Clemente Middle School
H	M416	Iris Gupta	Robert Frost Middle School

M500 - Engineering

Place	Project #	Full Name	School
1st	M504	Dev Bhardwaj	Roberto Clemente Middle School
1st	M515	Shreeya Khurana	Takoma Park Middle School
1st	M530	Catherine Rodriguez	Takoma Park Middle School
1st	M538	Amanda Chu	Roberto Clemente Middle School
1st	M549	Jerry Yang	Roberto Clemente Middle School
1st	M549	Connor O'Brien	Roberto Clemente Middle School
2nd	M501	Ben Ganelin	Parkland Middle School
2nd	M522	Ella Weaver	Holy Cross School
2nd	M532	Sujay Swain	Takoma Park Middle School
2nd	M537	Hrishi Chintagumpala	Parkland Middle School
2nd	M542	Ayush Varshney	Takoma Park Middle School
3rd	M505	John (Vanya) Gorbachev	Parkland Middle School

3rd	M509	Gerardo Ballesteros	Parkland Middle School
3rd	M520	Jasmine Pham	Roberto Clemente Middle School
3rd	M526	Joshua Yu	Roberto Clemente Middle School
3rd	M533	Lansing Lee	Parkland Middle School
3rd	M545	Daniel Zhu	Roberto Clemente Middle School
3rd	M545	Liam McCue	Roberto Clemente Middle School
H	M507	Dinal Gunaratne	Roberto Clemente Middle School
H	M511	Ijeoma Obi	Takoma Park Middle School
H	M514	Sreedatta Kaligotla	Roberto Clemente Middle School
H	M536	Kevin Chen	Roberto Clemente Middle School
H	M539	Caroline Djakuduel	Parkland Middle School

M700 - Physics

Place	Project #	Full Name	School
1st	M710	Prish Udayakumar	Takoma Park Middle School
1st	M713	Lydia Ruan	Roberto Clemente Middle School
1st	M726	Isaac Applebaum	Eastern Middle School
1st	M726	Elias Applebaum	Eastern Middle School
1st	M746	Kennedy Salamat	North Bethesda Middle School
2nd	M705	Sresth Viswanathan	Roberto Clemente Middle School
2nd	M711	Benjamin Solomich	Roberto Clemente Middle School
2nd	M717	Sareet Nayak	Roberto Clemente Middle School
2nd	M719	Jesse Silverberg	Takoma Park Middle School
2nd	M738	Brandon Hill	Parkland Middle School
2nd	M744	Katheryn Huilca	Parkland Middle School
2nd	M747	Maria Kutishcheva	Ridgeview Middle School
3rd	M708	Brian Xu	Takoma Park Middle School
3rd	M708	Kevin Sui	Takoma Park Middle School
3rd	M708	Richard Zhao	Takoma Park Middle School
3rd	M720	Alex Sena	Roberto Clemente Middle School
3rd	M727	Mohammad Alam	William H. Farquhar Middle School
3rd	M741	Sadhana Lolla	Roberto Clemente Middle School
H	M704	Jack Gillick	Parkland Middle School
H	M706	Anthony Meza	Roberto Clemente Middle School
H	M707	Ryan Simpson	St. Andrew Apostle School
H	M707	Daniel Patino	St. Andrew Apostle School
H	M715	Saket Mishra	Roberto Clemente Middle School
H	M715	Ricky Hong	Roberto Clemente Middle School
H	M718	Kevin Nguyen	Parkland Middle School
H	M721	Jacob Palosky	Takoma Park Middle School
H	M722	Preethi Prakash	Roberto Clemente Middle School
H	M725	Jasmine Durgam	Parkland Middle School
H	M737	Matthew Kolodner	Parkland Middle School
H	M742	Evan Hu	Roberto Clemente Middle School
H	M743	Anjali Gupta	Takoma Park Middle School
H	M743	Sneha Ojha	Takoma Park Middle School

Category Winners - High School

First Prizes: \$100 and Certificate
Second Prizes: \$50 and Certificate
Third Prizes: \$25 and Certificate
Teams Share Awards

H200 - Biology

Place	Project #	Full Name	School
1st	H204	Siddharth Nayak	Richard Montgomery High School
1st	H212	Ishaan Parikh	Montgomery Blair High School
1st	H220	Andrew Wang	Poolesville High School
1st	H231	Sreejan Kumar	Poolesville High School
1st	H231	Parth Shah	Other
2nd	H203	Clifford Sampson	Northwood High School
2nd	H214	Jihoon Jang	Poolesville High School
2nd	H221	Stephanie Rager	Montgomery Blair High School
2nd	H230	Kushi Ranganath	Thomas S. Wootton High School
2nd	H230	Siri Ranganath	Thomas S. Wootton High School
3rd	H207	Ethan Chen	Montgomery Blair High School
3rd	H215	Nola Chen	Montgomery Blair High School
3rd	H217	Katherine Mackall	Walt Whitman High School
3rd	H225	Emma Walter	Johnson High School
H	H201	Connie Xu	Montgomery Blair High School
H	H202	Katherine Wu	Montgomery Blair High School
H	H209	Gerald Hou	Winston Churchill High School
H	H210	Vaishnavi Sesetty	Poolesville High School
H	H211	Prahlad Sarma	Thomas S. Wootton High School
H	H219	Shriyash Upadhyay	Montgomery Blair High School
H	H224	Divya Gandla	Poolesville High School

H300 - Chemistry

Place	Project #	Full Name	School
1st	H303	Danayt Alem	Montgomery Blair High School
2nd	H302	Lauren Phillips	Walt Whitman High School
3rd	H308	Ameya Sampath	Thomas S. Wootton High School
H	H306	Mehana Daftary	Montgomery Blair High School
H	H304	Binayak Bhattari	Montgomery Blair High School

H400 - Computer Science & Mathematics

Place	Project #	Full Name	School
1st	H408	Eric Neyman	Montgomery Blair High School
1st	H401	Cherry Zou	Poolesville High School
2nd	H406	Sachin Pandey	Montgomery Blair High School
2nd	H409	Yash Somaiya	Poolesville High School
2nd	H409	Calvin Kizie	Poolesville High School
3rd	H403	Diwakar Ganesan	Poolesville High School
3rd	H407	Jacqueline Deprey	Thomas S. Wootton High School

H500 - Engineering

Place	Project #	Full Name	School
1st	H505	Elina Kapoor	Winston Churchill High School
2nd	H504	Anurudh Ganesan	Clarksburg High School
3rd	H501	Frederick Xu	Richard Montgomery High School
H	H506	Melissa Bezandry	Montgomery Blair High School

H700 - Physics

Place	Project #	Full Name	School
1st	H704	Jared Marx-Kuo	Montgomery Blair High School
2nd	H705	Noah Singer	Montgomery Blair High School
2nd	H705	Elliot Kienzle	Montgomery Blair High School
2nd	H705	Theo Tosini	Montgomery Blair High School
3rd	H707	Qingning Fan	Montgomery Blair High School
H	H702	Anusha Dixit	Poolesville High School
H	H708	Shraeya Madhu	Poolesville High School

Community Awards
Presented by Community Organizations in Support of Young Scientists and Engineers

Aerospace Corporation

**The Robert H. Herndon Award to
Encourage Minority Students to
Pursue Careers in Science and
Engineering**

**Senior: Honorable Mention: Invitation to participate in The Aerospace Corporation
Herndon Science Competition on May 21, 2015**

H401	Cherry Zou	Poolesville High School
H403	Diwakar Ganesan	Poolesville High School
H404	Harini Salgado	Montgomery Blair High School
H405	Agam Mittal	Montgomery Blair High School
H406	Sachin Pandey	Montgomery Blair High School
H408	Eric Neyman	Montgomery Blair High School
H410	Anish Thakker	Thomas S. Wootton High School
H410	Vijay Dey	Thomas S. Wootton High School
H506	Melissa Bezandry	Montgomery Blair High School
H702	Anusha Dixit	Poolesville High School
H704	Jared Marx-Kuo	Montgomery Blair High School
H707	Qingning Fan	Montgomery Blair High School

**Senior: 1st Place: \$300 cash award & invitation to participate in The Aerospace
Corporation Herndon Science Competition on May 21, 2015**

H505	Elina Kapoor	Winston Churchill High School
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**Junior: Honorable Mention: Invitation to participate in The Aerospace Corporation
Herndon Science Competition on May 21, 2015**

M403	Orion Gangopadhyay	Thomas W. Pyle Middle School
M405	Sadia Nourin	Argyle Middle School
M405	Vicky Ma	Argyle Middle School
M409	Steven Qu	Takoma Park Middle School
M409	Naveen Durvasula	Takoma Park Middle School
M410	Owen Hammer	St. Andrew Apostle School
M414	Devin Hoover	Roberto Clemente Middle School
M415	Valentina Simon	Robert Frost Middle School
M415	Lennard Poliakov	Shady Grove Middle School
M416	Iris Gupta	Robert Frost Middle School
M505	John (Vanya) Gorbachev	Parkland Middle School
M510	Scott Chapman	The Heights School
M510	Chris Barre	The Heights School
M510	Agustin Jauregui	The Heights School
M528	Nithya Ramesh	Parkland Middle School
M529	Safiullah Rifai	Argyle Middle School
M532	Sujay Swain	Takoma Park Middle School
M714	Tete Narh-Mensah	Argyle Middle School
M714	Khadeem Edwards	Argyle Middle School
M719	Jesse Silverberg	Takoma Park Middle School

Junior: 1st Place:\$300 cash award & invitation to participate in The Aerospace Corporation Herndon Science Competition on May 21, 2015

M726	Isaac Applebaum	Eastern Middle School
M726	Elias Applebaum	Eastern Middle School

**American Industrial Hygiene Association (AIHA)
Potomac Section**

**For Achievements in Projects
Demonstrating Excellent Industrial
Hygiene Practice or Technology**

Honorable Mention: Certificate

H204	Siddharth Nayak	Richard Montgomery High School
H228	Yousuf Asfari	Home Schooled
H228	Sarah Asfari	Home Schooled

3rd Place: Certificate and \$100 check

H225	Emma Walter	Walter Johnson High School
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2nd Place: Certificate and \$200 check

H308	Ameya Sampath	Thomas S. Wootton High School
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1st Place: Certificate and \$300 check

H506	Melissa Bezandry	Montgomery Blair High School
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**American Institute of Aeronautics & Astronautics (AIAA) For Excellent Achievements in Projects
Capital Section 484 in Space and Aviation**

**3rd Place: Invitation to AIAA-NCS Awards Banquet in June, Certificate and 3-day VIP style
experience at NASA Goddard Space Flight Center**

H501	Frederick Xu	Richard Montgomery High School
H708	Shraeya Madhu	Poolesville High School

**2nd Place: Invitation to AIAA-NCS Awards Banquet in June, Certificate and 3-day VIP style
experience at NASA Goddard Space Flight Center**

H506	Melissa Bezandry	Montgomery Blair High School
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**1st Place: Invitation to AIAA-NCS Awards Banquet in June, Certificate and 3-day VIP style
experience at NASA Goddard Space Flight Center**

H702	Anusha Dixit	Poolesville High School
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American Meteorological Society (AMS)-DC Chapter

**For Outstanding Achievement in an
Atmospheric or Earth Science**

Certificate of Outstanding Achievements

M267	Tejas Guha	Roberto Clemente Middle School
M413	Michelle Tang	Takoma Park Middle School
M717	Sareet Nayak	Roberto Clemente Middle School

American Nuclear Society; Washington, DC Section

**For Outstanding Achievement in
Projects in Nuclear Physics and
Technology**

**3rd Place Certificate and \$50; Invitation to Dinner meeting on May 12th (invitation by
email)**

M404	Basaam Malik	Roberto Clemente Middle School
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**2nd Place Certificate and \$50; Invitation to Dinner meeting on May 12th (invitation by
email)**

M546	Aidan Douglas	Roberto Clemente Middle School
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**1st Place Certificate and \$100; Invitation to Dinner meeting on May 12th (invitation by
email)**

M530	Catherine Rodriguez	Takoma Park Middle School
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American Psychological Association**Recognizing Outstanding Research
Projects in Behavior and Social
Science**

Senior:Certificate

H230 Kushi Ranganath

Thomas S. Wootton High School

H230 Siri Ranganath

Thomas S. Wootton High School

Junior:Certificate

M101 Maddie Zalewski

Holy Cross School

American Society of Mechanical Engineers**Excellence in Science and Engineering**

3rd Place: Certificate

M522 Ella Weaver

Holy Cross School

2nd Place: \$50 check to be given at dinner

H708 Shraeya Madhu

Poolesville High School

1st Place: \$75 check to be given at dinner

H505 Elina Kapoor

Winston Churchill High School

The ASM Materials Education Foundation--DC Chapter**Recognizing Excellence in Materials**

Senior: Certificate of Recognition and medallion

H504 Anurudh Ganesan

Clarksburg High School

Junior: Certificate of Recognition and medallion

M245 Melika Sizar

Muslim Community School

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

Junior or Senior Certificate of Excellence

M717 Sareet Nayak

Roberto Clemente Middle School

M738 Brandon Hill

Parkland Middle School

ASU Walton Sustainability Solutions Initiatives**For Creative, Sustainable Solutions**

**Senior: Certificate and nomination to enter the Grand Prize, a trip to Arizona for the
Sustainability Solutions Festival**

H702 Anusha Dixit

Poolesville High School

Bethesda Magazine**For Excellence in Scientific
presentation**

Check for \$50

M106 Maddie Ewers

Holy Cross School

Biophysical Society**For a senior project demonstrating
excellence in biophysics**

H225 Emma Walter

Walter Johnson High School

Certificate, chance to win a trip in October 2015 and up to \$25,000

M101	Maddie Zalewski	Holy Cross School
M201	Aadity Jha	Parkland Middle School
M219	Ipsa Mittra	Julius West Middle School
M232	Daniel Schaffer	Takoma Park Middle School
M243	Sourabh Vellala	Roberto Clemente Middle School
M254	Luckshika Arudchandran	Parkland Middle School
M263	Garrett Gularson	Roberto Clemente Middle School
M311	Mahnaz Habib	Parkland Middle School
M316	Shabarish Nair	Roberto Clemente Middle School
M335	Kush Savsani	Roberto Clemente Middle School
M343	Autumn Wang	Roberto Clemente Middle School
M343	Michelle Zheng	Roberto Clemente Middle School
M354	Claire Brizzolara	North Bethesda Middle School
M364	Dilan Gangopadhyay	Thomas W. Pyle Middle School
M406	Siobhan Light	Parkland Middle School
M409	Steven Qu	Takoma Park Middle School
M409	Naveen Durvasula	Takoma Park Middle School
M504	Dev Bhardwaj	Roberto Clemente Middle School
M515	Shreeya Khurana	Takoma Park Middle School
M530	Catherine Rodriguez	Takoma Park Middle School
M538	Amanda Chu	Roberto Clemente Middle School
M549	Jerry Yang	Roberto Clemente Middle School
M549	Connor O'Brien	Roberto Clemente Middle School
M710	Srish Udayakumar	Takoma Park Middle School
M713	Lydia Ruan	Roberto Clemente Middle School
M726	Isaac Applebaum	Eastern Middle School
M726	Elias Applebaum	Eastern Middle School
M746	Kennedy Salamat	North Bethesda Middle School

Clean Air Partners**Best project that addresses sources and/ or solutions to air pollution and/or climate change**

Senior: \$50 Award

H702 Anusha Dixit Poolesville High School

Junior: \$50 Award

M413 Michelle Tang Takoma Park Middle School

Federal Water Quality Association

Senior:**1st Place: Certificate, T-shirt, ribbon, invitation to May awards luncheon, \$100 check**

H304 Binayak Bhattarai Montgomery Blair High School

Junior:**Honorable mention: Certificate, ribbon, T-shirt,**

M107 Daria Chen Roberto Clemente Middle School

3rd Place: Certificate, ribbon, T-shirt

M520 Jasmine Pham Roberto Clemente Middle School

2nd Place: Certificate, ribbon, T-shirt,

M403 Orion Gangopadhyay Thomas W. Pyle Middle School

1st Place: Certificate, T-shirt, ribbon, invitation to May awards luncheon, \$100 check

M737 Matthew Kolodner Roberto Clemente Middle School

Team Awards:**3rd Place: Certificate, ribbon, T-shirt**

M549 Jerry Yang Roberto Clemente Middle School

M549 Connor O'Brien Roberto Clemente Middle School

2nd Place: Certificate, ribbon, T-shirt

M113 Allie Battista Takoma Park Middle School

M113 Rebecca Wessel Takoma Park Middle School

1st Place: Certificate, ribbon, T-shirt, \$50 each

H305 Shreya Khanna Poolesville High School

H305 Thanushree Manjunath Poolesville High School

**Friends of Agricultural Research--Beltsville
(FAR-B)****For Excellent Junior Projects in Chemistry,
Biology, Environment, Medical Sciences and
Computer Science**

3rd Place: Certificate of Merit and \$20 gift certificate

M220 Melody Zeng North Bethesda Middle School

M233 Evelyn Scott Lakelands Park Middle School

M252 Aneesh Acharya Roberto Clemente Middle School

M403 Orion Gangopadhyay Thomas W. Pyle Middle School

2nd Place: Certificate of Merit and \$30 gift certificate

M201 Aadity Jha Parkland Middle School

M211 Amisha Kunvar Parkland Middle School

M302 Grace Kim Roberto Clemente Middle School

M416 Iris Gupta Robert Frost Middle School

1st Place: Certificate of Merit and \$50 gift certificate

M234 Anagha Shastry Roberto Clemente Middle School

M253 Eric Yi Roberto Clemente Middle School

M254 Luckshika Arudchandran Parkland Middle School

M415 Valentina Simon Robert Frost Middle School

M415 Lennard Poliakov Shady Grove Middle School

GENIUS Olympiad-SUNY Oswego

**For projects in ecology and biodiversity,
environmental quality, resources and energy
and human ecology**

Senior: Certificate and nomination to compete in the SUNY Oswego GENIUS OLYMPIAD

H304	Binayak Bhattarai	Montgomery Blair High School
H702	Anusha Dixit	Poolesville High School

Geological Society of Washington**For Excellence in Earth Science**

Honorable Mention: Certificate

H304	Binayak Bhattarai	Montgomery Blair High School
H305	Shreya Khanna	Poolesville High School
H305	Thanushree Manjunath	Poolesville High School

Graduate Women in Science**For Recognition of Excellence**

Certificates for Recognition of Excellence

M260	Alexa Gourdain	Parkland Middle School
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Hon. Eddie Bernice Johnson's "Excellence in Science Award"

Senior:**1st Place: Certificate, An opportunity to tour the White House, 2-week summer internship opportunity**

H401	Cherry Zou	Poolesville High School
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2nd Place: Certificate and a commemorative pen

H504	Anurudh Ganesan	Clarksburg High School
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3rd Place: Certificate

H501	Frederick Xu	Richard Montgomery High School
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Junior:**1st Place: Certificate, An opportunity to tour the White House, a VIP tour of the U.S. Capitol**

M726	Isaac Applebaum	Eastern Middle School
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M726	Elias Applebaum	Eastern Middle School
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2nd Place: Certificate and a commemorative pen

M414	Devin Hoover	Roberto Clemente Middle School
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3rd Place: Certificate

M546	Aidan Douglas	Roberto Clemente Middle School
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**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 and \$100

H410	Vijay Dey	Thomas S. Wootton High School
H410	Anish Thakker	Thomas S. Wootton High School

2nd Place: Certificate of Merit and \$200

H502	Jackson Douglas	Seneca Valley High School
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1st Place: Certificate of Merit, \$300 and Invitation to Award Banquet

H501	Frederick Xu	Richard Montgomery High School
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Intel Excellence in Computer Science Award**Excellence in Computer Science in Senior Division**

1 Award in the Senior Division

H401 Cherry Zou Pooleville High School

I-SWEEEP: International Sustainable World (Engineering, Energy, Environment) Project Olympiad**For Outstanding Projects in Environmental Sustainability and Innovation**

Senior: ISWEEP Participation Packet

H304 Binayak Bhattarai Montgomery Blair High School
H702 Anusha Dixit Pooleville High School

KJW Young Scientists Association**"Young scientist rising star" award for unique, innovative scientific research**

Junior: certificate & \$30 cash award

M515 Shreeya Khurana Takoma Park Middle School
M732 Michael Chu Takoma Park Middle School

MdBiolab**For Outstanding Research in Biotechnology**

H504 Anurudh Ganesan Clarksburg High School

MIT Club of Washington, D.C.**For 11th Grade Projects Demonstrating Excellence in Life or Physical Science, Engineering, Mathematics, or Computer Science**

Honorable Mention: Certificate of Excellence and Subscription to MIT

H214 Jihoon Jang Pooleville High School
H401 Cherry Zou Pooleville High School

First Place: Certificate, \$150, and Subscription to MIT Technology Review

H403 Diwakar Ganesan Pooleville High School

MRIGlobal**For Outstanding Achievement in Life Sciences**

Junior: A stipend of \$75, and a Certificate

M243 Sourabh Vellala Roberto Clemente Middle School

Senior: A stipend of \$100, and a Certificate

H219 Shriyash Upadhyay Montgomery Blair High School

MedImmune Advancing Science for Better Health Award**Best Individual Project with Biological Relevance to the Causes, Treatment and Prevention of Human Disease, Exemplifying Values Core to MedImmune Philosophy**

2nd Place

H210 Vaishnavi Sesetty Pooleville High School

1st Place

H228 Yousuf Asfari Home Schooled
H228 Sarah Asfari Home Schooled

Metro Bethesda Rotary Club

Excellence in Science: \$100 gift certificate to a female Middle School student

M416 Iris Gupta Robert Frost Middle School

Montgomery Blair High School Magnet Class of 2004**For Outstanding Achievement in Life Sciences & Engineering**

Senior:**1st Place: \$100, a certificate and a pie (for pi day)**

H212 Ishaan Parikh Montgomery Blair High School

H707 Qingning Fan Montgomery Blair High School

2nd Place: \$50 and a certificate

H219 Shriyash Upadhyay Montgomery Blair High School

H221 Stephanie Rager Montgomery Blair High School

H223 Tej Joshi Thomas S. Wootton High School

H223 Leyla Herbst Churchill High School

H302 Lauren Phillips Walt Whitman High School

H505 Elina Kapoor Winston Churchill High School

3rd Place: \$25 and a certificate

H202 Katherine Wu Montgomery Blair High School

H214 Jihoon Jang Poolesville High School

H220 Andrew Wang Poolesville High School

H224 Divya Gandla Poolesville High School

H230 Kushi Ranganath Thomas S. Wootton High School

H230 Siri Ranganath Thomas S. Wootton High School

H401 Cherry Zou Poolesville High School

Junior:**1st Place: \$100, a certificate and a pie (for pi day)**

M232 Daniel Schaffer Takoma Park Middle School

M409 Steven Qu Takoma Park Middle School

M409 Naveen Durvasula Takoma Park Middle School

2nd Place: \$50 and a certificate

M219 Ipsa Mittra Julius West Middle School

M415 Valentina Simon Robert Frost Middle School

M415 Lennard Poliakov Shady Grove Middle School

M530 Catherine Rodriguez Takoma Park Middle School

M542 Ayush Varshney Takoma Park Middle School

M737 Matthew Kolodner Roberto Clemente Middle School

3rd Place: \$25 and a certificate

M209 Medha Kotti Roberto Clemente Middle School

M223 Samarth Nayak Roberto Clemente Middle School

M243 Sourabh Vellala Roberto Clemente Middle School

M255 Stephanie Claire Parkland Middle School

M746 Kennedy Salamat North Bethesda Middle School

M747 Maria Kutishcheva Ridgeview Middle School

Mu Alpha Theta

For project demonstrating the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a high school student

Certificate of Achievement in the Senior division

H409	Yash Somaiya	Poolesville High School
H409	Calvin Kinzie	Poolesville High School

National Capital Astronomers

For Projects Demonstrating Excellence in Astronomy

Junior

M726	Isaac Applebaum	Eastern Middle School
M726	Elias Applebaum	Eastern Middle School
M746	Kennedy Salamat	North Bethesda Middle School

Senior

H708	Shraeya Madhu	Poolesville High School
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National Oceanic and Atmospheric Administration (NOAA)

For Research That Helps understand and predict changes in Earth's environment, and conserve and manage natural resources

Junior: letter, certificate & a NOAA medallion

M113	Allie Battista	Takoma Park Middle School
M113	Rebecca Wessel	Takoma Park Middle School
M329	Nadia Roghani	Muslim Community School

Office of Naval Research

For Achievement in Science or Technology

Five Junior Division prizes: Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and ONR Brochure

M518	Yu-Wei Kuo	Parkland Middle School
M522	Ella Weaver	Holy Cross School
M528	Nithya Ramesh	Parkland Middle School
M538	Amanda Chu	Roberto Clemente Middle School
M731	Albert Efremov	Parkland Middle School

Two Senior Division prizes: Letter of Congratulations, ONR Medallion, Naval Science Award Certificate, and ONR Brochure

H502	Jackson Douglas	Seneca Valley High School
H708	Shraeya Madhu	Poolesville High School

Optical Society of America, National Capital Section/IEEE Phototonics

For Achievement in Optics and Photonics

Mentored/Magnet Achievement in Optics and Photonics

M726	Isaac Applebaum	Eastern Middle School
M726	Elias Applebaum	Eastern Middle School

Junior High Achievement in Optics and Photonics

M307	Adhvayith Sriram	Roberto Clemente Middle School
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M515	Shreeya Khurana	Takoma Park Middle School
M719	Jesse Silverberg	Takoma Park Middle School
High School Achievement in Optics and Photonics		
H403	Diwakar Ganesan	Poolesville High School

Ricoh Sustainable Development Award

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

Junior Division: Certificate

M327	Jennifer Moy	Parkland Middle School
M538	Amanda Chu	Roberto Clemente Middle School

Rockville Science Center

For Middle School Projects Demonstrating Excellence in the Communication of Science

Behavioral and Social Science

4th Place: Certificate

M113	Allie Battista	Takoma Park Middle School
M113	Rebecca Wessel	Takoma Park Middle School

3rd Place: Certificate

M111	Mira Thomas	St. Andrew Apostle School
M112	Ameya Deshmukh	Robert Frost Middle School
M112	Priyanka Madhavan	Lakelands Park Middle School
M112	Reethi Padmanabhan	Takoma Park Middle School

2nd Place: Certificate

M101	Maddie Zalewski	Holy Cross School
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1st Place: Certificate

M108	Meili Gupta	Takoma Park Middle School
M108	Cassia Williams-Rogers	Takoma Park Middle School

Biology

Honorable Mention: Certificate

M256	Sophia Costa	St. Andrew Apostle School
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3rd Place: Certificate

M220	Melody Zeng	North Bethesda Middle School
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2nd Place: Certificate

M207	Jessica Kingsley	Parkland Middle School
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1st Place: Certificate

M254	Luckshika Arudchandran	Parkland Middle School
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Chemistry

Honorable Mention: Certificate

M363	Brianna Frost	Argyle Middle School
M363	Kayla Taylor	Argyle Middle School

3rd Place: Certificate

M359	Tanaya Jha	Roberto Clemente Middle School
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2nd Place: Certificate

M362	Ishita Chatterjee	Roberto Clemente Middle School
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1st Place: Certificate

M368	Sonia Stan	Roberto Clemente Middle School
M368	Sabrina Su	Roberto Clemente Middle School

Computer Science & Mathematics**Honorable Mention: Certificate**

M414 Devin Hoover Roberto Clemente Middle School

3rd Place: Certificate

M413 Michelle Tang Takoma Park Middle School

2nd Place: Certificate

M415 Valentina Simon Robert Frost Middle School

M415 Lennard Poliakov Shady Grove Middle School

1st Place: Certificate

M409 Steven Qu Takoma Park Middle School

M409 Naveen Durvasula Takoma Park Middle School

Engineering**Honorable Mention: Certificate**

M512 Olamide Oladiran Parkland Middle School

3rd Place: Certificate

M501 Ben Ganelin Parkland Middle School

2nd Place: Certificate

M526 Joshua Yu Roberto Clemente Middle School

1st Place: Certificate

M529 Safiullah Rifai Argyle Middle School

Physics**Honorable Mention: Certificate**

M746 Kennedy Salamat North Bethesda Middle School

3rd Place: Certificate

M747 Maria Kutishcheva Ridgeview Middle School

2nd Place: Certificate

M733 Raven Devore Roberto Clemente Middle School

1st Place: Certificate

M710 Srish Udayakumar Takoma Park Middle School

Sigma Xi, NIST Chapter**For Excellence in Measurement
Science**

Certificate and \$25 check, attendance at Spring Banquet for winner and parents

H230 Kushi Ranganath Thomas S. Wootton High School

H230 Siri Ranganath Thomas S. Wootton High School

Sigma Xi, FDA Chapter**Excellence in Scientific Research****Senior: Honorable Mention: certificate**

H504 Anurudh Ganesan Clarksburg High School

Senior: 3rd place: \$50 + certificate

H220 Andrew Wang Poolesville High School

Senior: 2nd place: \$100 + certificate

H219 Shriyash Upadhyay Montgomery Blair High School

Senior: 1st place: \$150 + certificate

H202 Katherine Wu Montgomery Blair High School

Society for In Vitro Biology**For 11th Grade Projects Demonstrating
Excellent Research in Plant or Animal
in vitro Biology or Tissue Culture**

Certificate of Outstanding Achievement

H204

Siddharth Nayak

Richard Montgomery High School

Stockholm Junior Water Prize**For Excellence in Water Research**

Projects in Senior Division: Certificate + Nominations to SJWP state

H304

Binayak Bhattarai

Montgomery Blair High School

U.S. Air Force**For Excellence in Science and
Engineering**

Senior Division:**Honorable mention**

H506

Melissa Bezandry

Montgomery Blair High School

H703

Sreya Vangara

Poolesville High School

2nd Place

H503

Mohammadreza Salimi

Muslim Community School

1st Place

H706

Vivek Uppoor

Richard Montgomery High School

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

1 Award Senior Division: Certificate

H504

Anurudh Ganesan

Clarksburg High School

1 Award Junior Division: Certificate

M530

Catherine Rodriguez

Takoma Park Middle School

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

Juniors**Honorable Mention**

M228

Jonathan Odum

Takoma Park Middle School

M228

Alex Sherwin

Takoma Park Middle School

M228

Daniel Yang

Takoma Park Middle School

3rd Place

M744

Katheryn Huilca

Parkland Middle School

2nd Place

M529

Safiullah Rifai

Argyle Middle School

1st Place

M746

Kennedy Salamat

North Bethesda Middle School

Seniors**3rd Place**

H409

Yash Somaiya

Poolesville High School

H409

Calvin Kinzie

Poolesville High School

2nd Place

H504	Anurudh Ganesan	Clarksburg High School
1st Place		
H231	Sreejan Kumar	Poolesville High School
H231	Parth Shah	Other

U.S. Public Health Service - US Surgeon General's For Outstanding Project in Health

Certificate and medallion

H202	Katherine Wu	Montgomery Blair High School
H225	Emma Walter	Walter Johnson High School

**U.S. Public Health Service - Commissioned Officers For Outstanding Projects in Health-
Association Related Research**

Meritorious Achievement: Medal and Certificate

H201	Connie Xu	Montgomery Blair High School
H215	Nola Chen	Montgomery Blair High School
H217	Katherine Mackall	Walt Whitman High School
H220	Andrew Wang	Poolesville High School
H226	Leslie Chen	Montgomery Blair High School
H228	Yousuf Asfari	Home Schooled
H228	Sarah Asfari	Home Schooled
H231	Sreejan Kumar	Poolesville High School
H231	Parth Shah	Other
H302	Lauren Phillips	Walt Whitman High School
H303	Danayt Alem	Montgomery Blair High School
H306	Mehana Daftary	Montgomery Blair High School
H307	Yash Atitkar	Northwest High School
H307	Krishnan Guruvayurappan	Northwest High School
H308	Ameya Sampath	Thomas S. Wootton High School
M110	Varsha Krishnan	Cabin John Middle School
M205	Ashna Bhatia	Argyle Middle School
M213	Alana McCarthy Light	Parkland Middle School
M219	Ipsa Mittra	Julius West Middle School
M245	Melika Sizar	Muslim Community School
M303	Hae Rin Kim	Takoma Park Middle School
M415	Valentina Simon	Robert Frost Middle School
M415	Lennard Poliakov	Shady Grove Middle School

3rd Place Distinguishing Achievement

H230	Kushi Ranganath	Thomas S. Wootton High School
H230	Siri Ranganath	Thomas S. Wootton High School

2nd Place Distinguishing Achievement

H214	Jihoon Jang	Poolesville High School
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1st Place Distinguishing Achievement

H505	Elina Kapoor	Winston Churchill High School
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Washington Suburban Sanitary Commission (WSSC)		For the best Drinking Water, Wastewater or Science Related Exhibit
M103	Marie Paxton	Holy Cross School

Washington Statistical Society	For Use of Statistics in Planning or Interpreting Results Produced by a Science Fair project
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Honorable Mention: Certificate and flash drive

H404	Harini Salgado	Montgomery Blair High School
M413	Michelle Tang	Takoma Park Middle School

3rd Place: 1 year subscription to magazine, Book (1 each student)

H230	Kushi Ranganath	Thomas S. Wootton High School
H230	Siri Ranganath	Thomas S. Wootton High School

2nd Place: 1 yr subscription to magazine, 2 Books, software

M267	Tejas Guha	Roberto Clemente Middle School
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1st Place: \$100 check, 2 books, certificate

H202	Katherine Wu	Montgomery Blair High School
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Yale Science & Engineering Assoc. Inc.	For the Most Outstanding 11th Grade Student from the Areas of Computer Science, Engineering, Physics or Chemistry
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Certificate of Merit and Medallion

H214	Jihoon Jang	Poolesville High School
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