

Award Winners from the 51st Annual
Science MONTGOMERY
The Montgomery County Science Fair
March 17-18, 2007

ISEF AWARDS IN THE SENIOR DIVISION

Winners: Expense paid trip to compete in the INTEL International Science and Engineering Fair, May 14-18 in Albuquerque, NM and \$250 Award

Sikandar Porter-Gill Gaithersburg High School
Improvement of a Single-Chamber Microbial Fuel Cell Utilizing a Novel Concept for a Hydrophobic Coating at the Cathode and the Incorporation of Graphite Granules at the Anode Electrode

Tanvi Gupta Richard Montgomery High School
A New Tool for Studying Conformational Changes of ADAMTS13 with Implications for TTP Patients

Lillian Tsai Winston Churchill High School
The Effect of Green Tea Polyphenols on Levels of Nucleotide Excision Repair Gene Expression in and Survival Rate of Dictyostelium discoideum

Beatrice Parker Bethesda-Chevy Chase High School
Determining a Value for Gravity with an Accuracy of Ten Parts-per-billion for the Electronic Kilogram Experiment

Runners-up: Alternate ISEF Entrants and \$100 Award

Victoria Yao Montgomery Blair High School
The Identification of Chromatin Domains Interacting with the Hox Gene Clusters by a Novel Genome-wide Approach

Nicolas Bax St. Albans
Development and Testing of a Novel Ultrafast Magnetic Resonance Imaging (MRI) Method

SENIOR DIVISION GRADES 9-12

1st Place \$200; 2nd Place \$100; 3rd Place \$50

Behavioral and Social Sciences

1	S105	Erick Alves de Sa	Sherwood High School
1	S105	Ryan Chiang	Sherwood High School
1	S105	Patrick Young	Sherwood High School
2	S125	Danielle Rich	Sherwood High School
3	S110	Kristen Clemente	Sherwood High School
3	S110	Michael Packer	Sherwood High School
H	S109	Abigail Klein	Bethesda-Chevy Chase High School

Biochemistry

1	S208	Victoria Yao	Montgomery Blair High School
2	S201	David Chen	Walt Whitman High School
H	S203	Quratul-Ann Malik	Watkins Mill High School
H	S203	Darrin Barry	Watkins Mill High School
H	S203	David Gaynor	Watkins Mill High School
H	S204	Abhinav ETTYREDDY	Thomas S. Wootton High School
H	S205	Lexi Williams	Bethesda-Chevy Chase High School
H	S205	Jessica Malloy	Bethesda-Chevy Chase High School
H	S205	Richa Kalsi	Bethesda-Chevy Chase High School
H	S202	Tania Chatterjee	Col. Zadok Magruder High School
H	S207	William Plum	Seneca Valley High School

Botany

1	S307	Christine Sun	Thomas S. Wootton High School
1	S307	Steven Zhang	Thomas S. Wootton High School
2	S302	Lorin Barton	Sherwood High School
3	S303	Carrie Irvin	Sherwood High School
3	S303	Jenna Wade	Sherwood High School
3	S303	Corinne Cusick	Sherwood High School
H	S306	Aleah Bowie	Bethesda-Chevy Chase High School

Chemistry

1	S401	Sridar Ravi	Clarksburg High School
2	S402	Danielle Romano	Sherwood High School
3	S404	Rajat Shivacharan	Watkins Mill High School

Computer Science

1	S501	Joe Levy	Bethesda-Chevy Chase High School
1	S501	Nick Latourette	Bethesda-Chevy Chase High School
2	S502	Joshua Yanovski	Montgomery Blair High School
3	S503	Thomas Erickson	Bethesda-Chevy Chase High School
3	S503	Nikolas Theiss	Bethesda-Chevy Chase High School
3	S503	Alex Friedman	Bethesda-Chevy Chase High School

Earth and Space Science

1	S602	Beatrice Parker	Bethesda-Chevy Chase High School
2	S601	Hailiu Yang	Montgomery Blair High School
3	S604	Leila Alapour	Bethesda-Chevy Chase High School

Engineering

1	S704	Nicolas Bax	St. Albans
2	S708	Yi An Sun	Montgomery Blair High School
3	S709	Max Valenstein	Bethesda-Chevy Chase High School
H	S707	A. Yashodhara Rao	Walt Whitman High School

Environmental Sciences

1	S804	Sikandar Porter-Gill	Gaithersburg High School
2	S805	David Tao	Montgomery Blair High School
3	S806	Melissa Truong	Montgomery Blair High School
H	S801	Jordyn Wolfand	Montgomery Blair High School

Mathematics

1	S904	Paul Kominers	Walt Whitman High School
2	S903	Jeremy Lent	Sherwood High School
3	S901	Brian Lawrence	Montgomery Blair High School
H	S902	Eric Chen	Winston Churchill High School

Medicine and Health

1	S1002	Tanvi Gupta	Richard Montgomery High School
2	S1006	Andrew Ding	Montgomery Blair High School
3	S1009	Rashmi Singh	Winston Churchill High School
H	S1003	Paul Ervin	Bethesda-Chevy Chase High School
H	S1008	Ashley Myers	Sherwood High School
H	S1011	Sarah Seggel	Sherwood High School
H	S1012	Chuncong Du	Montgomery Blair High School

Microbiology

1	S1103	Lillian Tsai	Winston Churchill High School
2	S1104	Jack Latourette	Bethesda-Chevy Chase High School
3	S1101	Shima Gholamimehrabadi	Muslim Community School
H	S1102	Abraham Chaibi	Bethesda-Chevy Chase High School

Physics

1	S1214	George Michopoulos	Bethesda-Chevy Chase High School
2	S1216	Jacob Hurwitz	Montgomery Blair High School
3	S1213	Cyril Lan	Montgomery Blair High School
H	S1201	Caleb Fan	Montgomery Blair High School
H	S1205	Whitney Kendall	Sherwood High School
H	S1205	Aubrey Mirkin	Sherwood High School
H	S1209	Amanda Grossman	Sherwood High School
H	S1211	Earl Smith	Walt Whitman High School
H	S1212	Andrew Durnford	Montgomery Blair High School

Zoology

1	S1301	Lynea Witczak	Sherwood High School
1	S1301	Ashley Wire	Sherwood High School
2	S1303	Erin Heap	Sherwood High School
2	S1303	Teresa Joseph	Sherwood High School

JUNIOR DIVISION GRADES 6-8

1st Place \$200; 2nd Place \$100; 3rd Place \$50

Behavioral and Social Sciences

1	J108	Lyla Lawless	Home Schooled
2	J109	Caroline Diehl	Takoma Park Middle School
3	J101	Emily Durr	John H. Poole Middle School
H	J106	Morgan Dunlow	St. Andrew Apostle School
H	J106	Tristan Roche	St. Andrew Apostle School

Biochemistry

1	J203	Nicholas Chisholm	Earle B. Wood Middle School
2	J207	Eunah Lee	William H. Farquhar Middle School
3	J208	Arthur Moy	Argyle Middle School
H	J201	Alyssa Dodd	St. Andrew Apostle School
H	J202	Madison Cecco	John H. Poole Middle School

Botany

1	J311	Curtis Betz	John H. Poole Middle School
2	J302	Kevin Hill-Byrne	Earle B. Wood Middle School
3	J306	Amy Defnet	John H. Poole Middle School
H	J303	Spencer Sampson	Argyle Middle School
H	J309	John Wambach	Earle B. Wood Middle School
H	J305	Hunter Rooney	Holton-Arms School

Chemistry

1	J419	Maria Dagalakis	Herbert Hoover Middle School
2	J402	Deborah Ehrenreich	St. Andrew Apostle School
2 Tie	J402	Patrique Beard	St. Andrew Apostle School
2 Tie	J415	Aritra Biswas	North Bethesda Middle School
H	J401	Olivia Youket	Earle B. Wood Middle School
H	J414	Kate Frost	Roberto Clemente Middle School
H	J414	Ashley Wilson	Roberto Clemente Middle School
H	J418	Kurtis Swartz	Earle B. Wood Middle School
H	J409	Carolyn Kidd	A. Mario Loiederman Middle School

Earth and Space Science

1	J603	Joseph Allaire	Holy Cross School
2	J604	David Zhang	Roberto Clemente Middle School
3	J605	Manoli Anagnostiadis	Cabin John Middle School
H	J601	Thomas McHale	North Bethesda Middle School

Engineering

1	J706	Nicholas Talaat	Earle B. Wood Middle School
2	J716	Melodi Anahtar	Takoma Park Middle School
3	J708	Stuart Grosvenor	North Bethesda Middle School
H	J714	Amy Flores	Earle B. Wood Middle School
H	J717	Daniel Hyde	Roberto Clemente Middle School
H	J701	James Farace	St. Andrew Apostle School
H	J701	Nicholas Von Utter	St. Andrew Apostle School

Environmental Sciences

1	J807	Pavleen Thukral	Roberto Clemente Middle School
2	J808	James Shepherdson	Takoma Park Middle School
3	J805	Elizabeth Axley	Earle B. Wood Middle School
H	J801	Maija Mikkelsen	Earle B. Wood Middle School
H	J801	Margaret Gratian	Earle B. Wood Middle School

Mathematics

1	J902	Andrew Das Sarma	Takoma Park Middle School
2	J903	Brina Seidel	Takoma Park Middle School
3	J901	Lauren Marple	Earle B. Wood Middle School

Medicine and Health

1	J1001	Alison Cohen	Holton-Arms School
2	J1009	Grant Fox	Cabin John Middle School
3	J1003	Robert Vinson	North Bethesda Middle School
H	J1006	Daniela Mujica	Earle B. Wood Middle School
H	J1010	Shilpa Kannan	Takoma Park Middle School
H	J1011	Ajay Kannan	Takoma Park Middle School

Microbiology

1	J1102	Eric Keen	Home Schooled
2	J1108	Kai Tshikosi	Earle B. Wood Middle School
3	J1103	Emma Luigard	Takoma Park Middle School

Physics

1	J1209	John Lee Lillibridge	North Bethesda Middle School
2	J1202	Pranav Gokhale	Roberto Clemente Middle School
3 Tie	J1203	Christopher Silvia	Thomas W. Pyle Middle School
3 Tie	J1217	Jeremy Ardanuy	Argyle Middle School
H	J1205	Nathan Poznerzon	Charles E. Smith Jewish Day School
H	J1210	Kathy Zhang	Benjamin Banneker Middle School
H	J1218	Christopher White	St. Catherine Laboure School
H	J1219	Pierre Mensah	North Bethesda Middle School
H	J1221	Elena Choong	St. Catherine Laboure School
H	J1222	Vivek Sen	North Bethesda Middle School

SPECIAL AWARDS FROM SUPPORTING GROUPS

ALL GRADES

American Industrial Hygiene Assoc., Potomac Section For Outstanding Use of Industrial Hygiene Practices

Invitation to meeting to receive award

J716	Melodi Anahtar	Takoma Park Middle School
J1102	Eric Keen	Home Schooled

American Institute of Aeronautics & Astronautics (AIAA) For Excellent Achievements in Projects in Space and Aviation

1st Place Certificate, \$1000 Scholarship to US Space Camp or Aviation Challenge,
and Invitation to Awards Banquet plus one year student membership

S707	A. Yashodhara Rao	Walt Whitman High School
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2nd Place Certificate and \$100;

and Invitation to Awards Banquet plus one year student membership

J717	Daniel Hyde	Roberto Clemente Middle School
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3rd Place Certificate and \$75;

and Invitation to Awards Banquet plus one year student membership

S701	Louis Wu	Montgomery Blair High School
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Honorable Mention Certificates

J707	Hannah Dario	Argyle Middle School
J701	James Farace	St. Andrew Apostle School
J701	Nicholas Von Utter	St. Andrew Apostle School

American Meteorological Society (AMS) For Outstanding Achievement for Ability and Creativity in an Atmospheric Science

Certificate of Achievement, invitation to banquet, opportunity to compete against
winners of other DC-area fairs

J105	Jay Feldman	Robert Frost Middle School
J105	Akira Horiguchi	Robert Frost Middle School
J105	Young (Daniel) Park	Robert Frost Middle School
J604	David Zhang	Roberto Clemente Middle School
J803	Nivetita Ravi	Neelsville Middle School
J809	Doyung Lee	Takoma Park Middle School
S603	Ted Glickman	Bethesda-Chevy Chase High School

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

1st Place Certificate, \$100, invitation to a dinner

J804	Brendan Dolan	John H. Poole Middle School
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Certificate of Achievement

S1007	Melody Alsheikhly	Winston Churchill High School
S1007	Shanika Fernando	Winston Churchill High School
S1217	Konrad Slepoy	Walt Whitman High School
S804	Sikandar Porter-Gill	Gaithersburg High School

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

Junior Division Certificate		
J108	Lyla Lawless	Home Schooled
Senior Division Certificate		
S105	Ryan Chiang	Sherwood High School
S105	Erick Alves de Sa	Sherwood High School
S105	Patrick Young	Sherwood High School

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

3rd Place: Certificate and \$25		
J716	Melodi Anahtar	Takoma Park Middle School
2nd Place: Invitation to dinner, Certificate and \$50 to be presented during dinner awards		
S707	A. Yashodhara Rao	Walt Whitman High School
1st Place: Invitation to dinner, Certificate and \$75 to be presented during dinner awards		
S710	Hamin Jeon	Quince Orchard High School

**American Society of Metals, International Foundation (ASM)
For Best Projects in Remote Sensing/GIS and Materials Engineering**

Certificate for Most Outstanding Exhibit in Materials Science		
S1214	George Michopoulos	Bethesda-Chevy Chase High School
Certificate of Achievement		
S1212	Andrew Durnford	Montgomery Blair High School
S1201	Caleb Fan	Montgomery Blair High School

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

Junior: Plaque; One Year Membership; Invitation to Exhibit at Annual Symposium		
	Invitation to Exhibit at Annual Symposium	
J717	Daniel Hyde	Roberto Clemente Middle School
Senior: Plaque; One Year Membership; Invitation to Exhibit at Annual Symposium		
	Invitation to Exhibit at Annual Symposium	
S804	Sikandar Porter-Gill	Gaithersburg High School

**American Society of Safety Engineers - National Capital Chapter
For Projects Demonstrating Excellent Safety Technology or Practice**

1st place Junior \$200 cash scholarship award		
J706	Nicholas Talaat	Earle B. Wood Middle School
1st place Senior \$300 cash scholarship award		
S401	Sridar Ravi	Clarksburg High School

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

Honorary One Year Student Membership		
J902	Andrew Das Sarma	Takoma Park Middle School
J903	Brina Seidel	Takoma Park Middle School
J709	Sanjay Chainani	Roberto Clemente Middle School
J709	Neil Chainani	Roberto Clemente Middle School
S501	Joe Levy	Bethesda-Chevy Chase High School
S501	Nick Latourette	Bethesda-Chevy Chase High School
S502	Joshua Yanovski	Montgomery Blair High School
S1213	Cyril Lan	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

J602 Alexis Frager

Earle B. Wood Middle School

Senior Division Certificate of Excellence

S602 Beatrice Parker

Bethesda-Chevy Chase High School

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

3rd Place Junior: Certificate and \$25

J101 Emily Durr

John H. Poole Middle School

2nd Place Junior: Certificate and \$40

J109 Caroline Diehl

Takoma Park Middle School

1st Place Junior: Certificate and \$50

J108 Lyla Lawless

Home Schooled

3rd Place Senior: Certificate and \$25

S110 Kristen Clemente

Sherwood High School

S110 Michael Packer

Sherwood High School

2nd Place Senior: Certificate and \$40

S125 Danielle Rich

Sherwood High School

1st Place Senior: Certificate and \$50

S105 Erick Alves de Sa

Sherwood High School

S105 Ryan Chiang

Sherwood High School

S105 Patrick Young

Sherwood High School

Capital PC Users Group (EPCUG)

For excellence in computer science

Plaque and 1 year membership to EPCUG

S501 Nick Latourette

Bethesda-Chevy Chase High School

S501 Joe Levy

Bethesda-Chevy Chase High School

J903 Brina Seidel

Takoma Park Middle School

Central Intelligence Agency

For Projects in Technologies of National Interest

Award of Invitation to Awards Ceremony and Tour of CIA Headquarters

S125 Danielle Rich

Sherwood High School

S402 Danielle Romano

Sherwood High School

S502 Joshua Yanovski

Montgomery Blair High School

S602 Beatrice Parker

Bethesda-Chevy Chase High School

S604 Leila Alapour

Bethesda-Chevy Chase High School

S701 Louis Wu

Montgomery Blair High School

S704 Nicolas Bax

St. Albans

S708 Yi An Sun

Montgomery Blair High School

S801 Jordyn Wolfand

Montgomery Blair High School

S808 Frances Jaffe

Bethesda-Chevy Chase High School

S904 Paul Kominers

Walt Whitman High School

S1008 Ashley Myers

Sherwood High School

S1206 Greg Daines

Bethesda-Chevy Chase High School

Chemical Society of Washington

For Projects Demonstrating Excellence in Chemistry

Certificates of Merit

J401	Olivia Youket	Earle B. Wood Middle School
J404	Kelly Brown	John H. Poole Middle School
J405	Therese Todd	St. Andrew Apostle School
J409	Carolyn Kidd	A. Mario Loiederman Middle School
J412	Alessandra Breen	St. Andrew Apostle School
J412	Tonia Ogundipe	St. Andrew Apostle School
J412	Tiffany Ogundipe	St. Andrew Apostle School
J414	Kate Frost	Roberto Clemente Middle School
J414	Ashley Wilson	Roberto Clemente Middle School
J416	Emily Janes	Earle B. Wood Middle School
J418	Kurtis Swartz	Earle B. Wood Middle School
J419	Maria Dagalakis	Herbert Hoover Middle School
J423	Ohene Ofofu	Sligo Adventists Middle School
J421	Karen Jacob	Benjamin Banneker Middle School
S401	Sridar Ravi	Clarksburg High School
S404	Rajat Shivacharan	Watkins Mill High 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

Federal Water Quality Association

For Projects relating to Water Quality

1st place Junior: Certificate, Savings Bond, Invitation to Awards Ceremony

J603 Joseph Allaire Holy Cross School

2nd place Junior: Certificate

J805 Elizabeth Axley Earle B. Wood Middle School

3rd place Junior: Certificate

J808 James Shepherdson Takoma Park Middle School

Honorable Mention Junior Certificate

J201 Alyssa Dodd St. Andrew Apostle School

Junior Team Certificate, Savings Bond, Invitation to Awards Ceremony

J801 Maija Mikkelsen Earle B. Wood Middle School

J801 Margaret Gratian Earle B. Wood Middle School

1st place Senior: certificate, Savings Bond, Invitation to Awards Ceremony

S808 Frances Jaffe Bethesda-Chevy Chase High School

2nd place Senior: Certificate

S203 David Gaynor Watkins Mill High School

3rd Place Senior: Certificate

S802 James Roach Bethesda-Chevy Chase High School

Honorable Mention Senior: Certificate

S1302 William Hazzard Bethesda-Chevy Chase High School

1st place Senior Team: Certificate, Savings Bond, Invitation to Awards Ceremony

S1301 Ashley Wire Sherwood High School

S1301 Lynea Witczak Sherwood High School

2nd place Senior Team: Certificate

S807 Katherine Perino Quince Orchard High School

S807 Anna Ralchenko 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 or Safeway;
Tour of Beltsville Agricultural Center

J310	Wade Potter	Earle B. Wood Middle School
J1101	Maddison Graham	John H. Poole Middle School
J801	Maija Mikkelsen	Earle B. Wood Middle School
J801	Margaret Gratian	Earle B. Wood Middle School
J203	Nicholas Chisholm	Earle B. Wood Middle School

2nd Place: Certificate of Merit; \$30 certificate for Giant or Safeway;
Tour of Beltsville Agricultural Center

J302	Kevin Hill-Byrne	Earle B. Wood Middle School
J1011	Ajay Kannan	Takoma Park Middle School
J807	Pavleen Thukral	Roberto Clemente Middle School
J419	Maria Dagalakis	Herbert Hoover Middle School

1st Place: Certificate of Merit; \$50 certificate for Giant or Safeway;
Tour of Beltsville Agricultural Center

J311	Curtis Betz	John H. Poole Middle School
J1006	Daniela Mujica	Earle B. Wood Middle School
J802	Miranda Lingenfelter	North Bethesda Middle School
J202	Madison Cecco	John H. Poole Middle School

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

Society Award: : Membership plus \$50

J603	Joseph Allaire	Holy Cross School
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**Geological Society of Washington
For Excellence in Projects Demonstrating an Appreciation
of the Importance of Geology**

First Place Certificate of Achievement

J603	Joseph Allaire	Holy Cross School
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Second Place Certificate of Achievement

S602	Beatrice Parker	Bethesda-Chevy Chase High School
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**Graduate Women in Science
For Young Women Demonstrating Excellence in Science**

1st place certificate of excellence and
one year subscription to Science News magazine

S1103	Lillian Tsai	Winston Churchill High School
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Certificate of Recognition

S707	A. Yashodhara Rao	Walt Whitman High School
S118	Gurleen Kaur	Sherwood High School
S118	Neeta Balram	Sherwood High School
S118	Dhara Shah	Sherwood High School
S801	Jordyn Wolfand	Montgomery Blair High School
S201	David Chen	Walt Whitman High School
S202	Tania Chatterjee	Col. Zadok Magruder High School
S307	Christine Sun	Thomas S. Wootton High School
S307	Steven Zhang	Thomas S. Wootton High School
S602	Beatrice Parker	Bethesda-Chevy Chase High School
S1009	Rashmi Singh	Winston Churchill High School

Herbert Hoover Young Engineer Award

For Outstanding Engineering Projects, Junior and Senior Divisions

Junior Division Certificate and Medallion

J706 Nicholas Talaat

Earle B. Wood Middle School

Senior Division Certificate and Medallion

S704 Nicolas Bax

St. Albans

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, \$100

S704 Nicolas Bax

St. Albans

2nd Place: Certificate of Merit, \$200

S1206 Greg Daines

Bethesda-Chevy Chase High School

1st Place: Certificate of Merit, \$300, Invitation to Award Banquet

S710 Hamin Jeon

Quince Orchard High School

Institute of Food Technologists, DC Section

For Outstanding Food Science Projects

1st Place Junior Division: Certificate, Book, and Reception Invitation

J1102 Eric Keen

Home Schooled

1st Place Senior Division: Certificate, Book, and Reception Invitation

S1103 Lillian Tsai

Winston Churchill High School

Institute for Industrial Engineers

For projects displaying excellence in Engineering

First Place: Certificate and Puzzle Book

J903 Brina Seidel

Takoma Park Middle School

Second Place: Certificate and Sudoku Book

S703 Laura Giannola

Sherwood High School

Third Place: Certificate and Sudoku Cards

S903 Jeremy Lent

Sherwood High School

Intel Excellence in Computer Science Award

For Excellence in the Senior Division Computer Science Category

Intel Award Certificate, \$200 check to be sent

S501 Joe Levy

Bethesda-Chevy Chase High School

S501 Nick Latourette

Bethesda-Chevy Chase High School

International Society for Optical Engineering-SPIE

For Outstanding Optics or Photonics Related Technology

1st Place Junior Division: \$125 and 1 year subscription to Engineering Times

J203 Nicholas Chisholm

Earle B. Wood Middle School

1st Place Senior Division: \$200 and 1 year subscription to Engineering Times

S706 Nicky Arya

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 and a 6-week Paid Internship at MedImmune

S1103 Lillian Tsai

Winston Churchill High School

Montgomery County Energy and Air Quality Advising Committee

For projects related to energy and air quality

Invitation to banquet to receive \$100 and Certificate will be mailed to winners separately

S702 Andrea Vaught

Bethesda-Chevy Chase High School

S702 Om'anand Tiwari

Bethesda-Chevy Chase High School

J803 Nivetita Ravi

Neelsville Middle School

Mu Alpha Theta

For Challenging, Original, Thorough and Creative Investigation of Problems involving Modern Mathematics

Certificates of Achievement

S903 Jeremy Lent

Sherwood High School

S904 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

J1001 Alison Cohen

Holton-Arms School

J1011 Ajay Kannan

Takoma Park Middle School

Senior Division: Certificate of Honor

S1103 Lillian Tsai

Winston Churchill 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 and Medallion

J603 Joseph Allaire

Holy Cross School

National Society of Professional Engineers

For Projects Demonstrating Innovative Engineering

Certificate of Honor, Lapel Pin

S704 Nicolas Bax

St. Albans

J706 Nicholas Talaat

Earle B. Wood 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: \$200 Savings Bond

S401	Sridar Ravi	Clarksburg High School
S404	Rajat Shivacharan	Watkins Mill High School
S701	Louis Wu	Montgomery Blair High School
S704	Nicolas Bax	St. Albans
S709	Max Valenstein	Bethesda-Chevy Chase High School
S903	Jeremy Lent	Sherwood High School
S1201	Caleb Fan	Montgomery Blair High School
S1211	Earl Smith	Walt Whitman High School
S1216	Jacob Hurwitz	Montgomery Blair High School
S1217	Konrad Slepoy	Walt Whitman High School

Office of Naval Research

For Achievement in Science, Technology, Math and Engineering

Junior Division: Medallion, Certificate, Letter of Congratulation

J807	Pavleen Thukral	Roberto Clemente Middle School
J708	Stuart Grosvenor	North Bethesda Middle School
J706	Nicholas Talaat	Earle B. Wood Middle School
J401	Olivia Youket	Earle B. Wood Middle School
J405	Therese Todd	St. Andrew Apostle School

Senior Division: \$50 Gift Certificate, Medallion, Certificate, Letter of Congratulation

S602	Beatrice Parker	Bethesda-Chevy Chase High School
S208	Victoria Yao	Montgomery Blair High School
S709	Max Valenstein	Bethesda-Chevy Chase High School

Optical Society of America, National Capital Section

For Notable Achievement in the Optical Sciences

Certificate of Achievement to be mailed

J203	Nicholas Chisholm	Earle B. Wood Middle School
J303	Spencer Sampson	Argyle Middle School
J1012	Victoria Sheil	Earle B. Wood Middle School
J1202	Pranav Gokhale	Roberto Clemente Middle School
J1213	Andy Levine	Takoma Park Middle School
S704	Nicolas Bax	St. Albans
S706	Nicky Arya	Bethesda-Chevy Chase High School

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

J714	Amy Flores	Earle B. Wood Middle School
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Senior Division: Certificate and Subscription to Science News Magazine

S307	Christine Sun	Thomas S. Wootton High School
S307	Steven Zhang	Thomas S. Wootton High School

Sigma Xi Chapter of NIST

For Excellence in Measurement Science

Certificate of Excellence, \$ 50, Invitation to Sigma Xi Awards Banquet
J1211 Shaughn Phillips St. Catherine Laboure School
S602 Beatrice Parker Bethesda-Chevy Chase High School

Sigma Xi, FDA Chapter

Prizes For Excellence in Food and Drug Science will be sent to students

Honorable Mention: Certificate
S806 Melissa Truong Montgomery Blair High School
S1004 Stephanie Prakash Sherwood High School
2nd Place: \$50
S202 Tania Chatterjee Col. Zadok Magruder High School
1st Place: \$100 and Invitation for 3 to Spring Banquet
S1103 Lillian Tsai Winston Churchill High School

Society for In Vitro Biology

For projects of interest to the Society

Certificate of Outstanding Achievement
First Place
S1103 Lillian Tsai Winston Churchill High School
Second Place
S204 Abhinav Etyreddy Thomas S. Wootton High School

Society of Mining, Metallurgy and Exploration (SME)

For Excellence in Mining, Metallurgy, or Exploration Technology

SME Monogrammed Cap
J601 Thomas McHale North Bethesda Middle School
J603 Joseph Allaire Holy Cross School
J605 Manoli Anagnostiadis Cabin John Middle School

Spectrum Science Communications

For Excellence in Communications and Health Sciences

Top Newsmaker Award: Certificate and Gift Card
S1103 Lillian Tsai Winston Churchill High School

Towson University

For Excellence in Science

Towson University Award: Certificate of Excellence and \$100
S1103 Lillian Tsai Winston Churchill High School

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
J701 James Farace St. Andrew Apostle School
J701 Nicholas Von Utter St. Andrew Apostle School
S708 Yi An Sun Montgomery Blair High School
S709 Max Valenstein Bethesda-Chevy Chase High School

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

Honorable Mention: Certificate of Achievement

S403	Ryan Bonhag	Sherwood High School
S403	Rachel Smith	Sherwood High School
S403	Matthew Svilar	Sherwood High School
S404	Rajat Shivacharan	Watkins Mill High School
S703	Laura Giannola	Sherwood High School
S807	Katherine Perino	Quince Orchard High School
S807	Anna Ralchenko	Quince Orchard High School
S1007	Melody Alsheikhly	Winston Churchill High School
S1007	Shanika Fernando	Winston Churchill High School
S1203	Suzy Djampouop	Sherwood High School
S1206	Greg Daines	Bethesda-Chevy Chase High School
S1213	Cyril Lan	Montgomery Blair High School
S1214	George Michopoulos	Bethesda-Chevy Chase High School
S1216	Jacob Hurwitz	Montgomery Blair High School
S1217	Konrad Slepoy	Walt Whitman High School
S604	Leila Alapour	Bethesda-Chevy Chase High School
S801	Jordyn Wolfand	Montgomery Blair High School
S1003	Paul Ervin	Bethesda-Chevy Chase High School

Runners-up: Certificate of Achievement and Army T-shirt

S502	Joshua Yanovski	Montgomery Blair High School
S708	Yi An Sun	Montgomery Blair High School
S1008	Ashley Myers	Sherwood High School
S1201	Caleb Fan	Montgomery Blair High School
S1209	Amanda Grossman	Sherwood High School
S704	Nicolas Bax	St. Albans
S901	Brian Lawrence	Montgomery Blair High School
S1103	Lillian Tsai	Winston Churchill High School

1st Place: Certificate of Achievement, Army T-shirt, and Bronze Medallion

S401	Sridar Ravi	Clarksburg High School
S804	Sikandar Porter-Gill	Gaithersburg 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

S404	Rajat Shivacharan	Watkins Mill High School
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Junior Division: Certificate of Merit

J714	Amy Flores	Earle B. Wood Middle School
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U.S. Nuclear Regulatory Commission

For Outstanding Projects in Nuclear Science or Engineering

U.S. NRC Awards will be sent separately to the winners:

Certificates of Merit, Gifts, Awards Ceremony at NRC Headquarters

First Place Juniors

J1001	Alison Cohen	Holton-Arms School
J902	Andrew Das Sarma	Takoma Park Middle School

First Place Seniors

S307	Christine Sun	Thomas S. Wootton High School
S307	Steven Zhang	Thomas S. Wootton High School
S804	Sikandar Porter-Gill	Gaithersburg High School

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

Best Junior Division: U.S. Public Health Service Surgeon General Certificate and Handheld Microscope

J1102	Eric Keen	Home Schooled
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Junior Honorable Mention Certificate and Handheld Microscope

J208	Arthur Moy	Argyle Middle School
J710	Timothy Roche	St. Andrew Apostle School
J1103	Emma Luigard	Takoma Park Middle School

Best Senior Division: U.S. Public Health Service Surgeon General Certificate and \$50 check

S1104	Jack Latourette	Bethesda-Chevy Chase High School
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Senior Honorable Mention Certificate

S1101	Shima Gholamimehrabadi	Muslim Community School
S1012	Chuncong Du	Montgomery Blair High School
S202	Tania Chatterjee	Col. Zadok Magruder High School

Surgeon General's Award for Outstanding Student

S1104	Jack Latourette	Bethesda-Chevy Chase High School
S1013	Zahra Farshneshani	Sherwood High School
S1013	Sara Kanwal	Sherwood High School

Washington Statistical Society

For Excellence in the Investigation or Use of Statistical Methods

Honorable Mention: Certificates of Excellence

S601	Hailiu Yang	Montgomery Blair High School
J1008	William Cai	Takoma Park Middle School
J902	Andrew Das Sarma	Takoma Park Middle School
J903	Brina Seidel	Takoma Park Middle School

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

S903	Jeremy Lent	Sherwood High School
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Water Environment Federation

For Outstanding Water Research Project

Stockholm Junior Water Prize: Certificate, Mouse Pad and Invitation to

Compete for the Maryland Stockholm Junior Water Prize

S801	Jordyn Wolfand	Montgomery Blair High School
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West Montgomery County Citizens Association

For projects of interest to West Montgomery County

Blue Ribbon and Invitation to Present Project at a WMCCA Meeting

J808	James Shepherdson	Takoma Park Middle School
J805	Elizabeth Axley	Earle B. Wood Middle School
J806	Andrew Ceruzzi	Newport Mill Middle School
S805	David Tao	Montgomery Blair High School
S808	Frances Jaffe	Bethesda-Chevy Chase High 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 a Pewter Medallion

S401	Sridar Ravi	Clarksburg High School
S1201	Caleb Fan	Montgomery Blair High School