

## ISEF Awards in Senior Division

Winners: Expense paid trip to compete in the INTEL International Science and Engineering Fair (ISEF), Phoenix, AZ May 12-17, 2019, and \$250 Award

Category	Project	Name & School	Project Title
Computer Science	H431	Ishana Shastri - Poolesville High School	Region-based Fully Convolutional Network (R-FCN) for Localization of Tumors in Mammograms
Engineering	H526	Sanjit Thangarasu - Poolesville High School	AccessO2: An Innovative, Non-Electric, Life-Saving, Oxygen Concentrator
Biology	H201	Allie Amerman - Wheaton High School	Tuning Polyplex Physiochemical Properties to Improve Anti-Tumor Responses
Physics	H712	Kevin Qian - Montgomery Blaire High School	Heisenberg-Scaling Measurement Protocol for Analytic Functions with Quantum Sensor Networks

### 1st Alternate: \$100 Cash and First Alternate's trip paid for ISEF

Mathematics	H603	1st Alternate - Naveen Durvasula - Montgomery Blaire High School	On the Communication Complexity of Stable Matching Under Metric Space Market Embeddings
-------------	------	--	---

### Category Winners - Middle School

First Prizes: \$100 and Certificate

Second Prizes: \$50 and Certificate

Third Prizes: \$25 and Certificate

Teams Share Awards

### M100 - Behavioral and Social Sciences

Place	Project #	Full Name	School
H	M105	Brian Call	Roberto Clemente Middle School
H	M106	Sarah Cestone	Holy Cross School
H	M108	Daniel Espinoza	Takoma Park Middle School
H	M108	Richard Huang	Takoma Park Middle School
H	M118	Jackie Wang	Takoma Park Middle School
H	M118	Sophia Zeng	Takoma Park Middle School
3rd	M109	Grace Fogarty	Holy Cross School
3rd	M115	Michael Ryan	Holy Cross School
2nd	M101	William Applegarth	Holy Cross School
2nd	M113	Jessica Kotchenreuther	Holy Cross School
1st	M103	Anuprova Bhowmik	Takoma Park Middle School
1st	M110	Sophia Guinea	Roberto Clemente Middle School

### M200 - Biology

Place	Project #	Full Name	School
H	M205	Julian Black	Roberto Clemente Middle School
H	M211	Sarah Dicker	Holton-Arms School
H	M212	Patrick Donahue	Roberto Clemente Middle School

H	M213	Grace Doughty	Takoma Park Middle School
H	M216	Suvan Gangar	Takoma Park Middle School
H	M218	Kelly He	Roberto Clemente Middle School
H	M219	Hanieh Hootkany	Muslim Community School
H	M224	Belky Maldonado	Takoma Park Middle School
H	M224	Simran Mattikalli	Takoma Park Middle School
H	M224	Harper Bender	Takoma Park Middle School
H	M225	Daniel Mathew	Roberto Clemente Middle School
H	M237	Katherine Saeed	Roberto Clemente Middle School
H	M239	Neel Shah	Roberto Clemente Middle School
H	M239	Jude Lwin	Roberto Clemente Middle School
H	M240	Amoson Shu	Roberto Clemente Middle School
H	M243	Daniel Suh	Roberto Clemente Middle School
H	M246	James Tan	Roberto Clemente Middle School
H	M247	Zory Teselko	Roberto Clemente Middle School
H	M250	Eric Wang	Roberto Clemente Middle School
H	M250	Uday Annavarapu	Roberto Clemente Middle School
H	M251	Jeffery Wei	Roberto Clemente Middle School
H	M251	Abhiram Cheerla	Roberto Clemente Middle School
H	M252	Beza Williams	Roberto Clemente Middle School
H	M253	Celine Wu	Takoma Park Middle School
H	M253	Ally Guo	Takoma Park Middle School
H	M253	Elina Lee	Takoma Park Middle School
H	M255	Yun Yeung	Takoma Park Middle School
H	M257	Thomas Zhong	Roberto Clemente Middle School
3rd	M202	Mallige Anand	Roberto Clemente Middle School
3rd	M210	Aditya Das	Takoma Park Middle School
3rd	M222	Daniel Ling	Roberto Clemente Middle School
3rd	M236	David Ruan	Roberto Clemente Middle School
3rd	M238	Lakshmi Sangireddi	Roberto Clemente Middle School
3rd	M256	Ethan Zhang	Roberto Clemente Middle School
2nd	M203	Lahari Bandaru	Roberto Clemente Middle School
2nd	M214	Paris Etchu	Holy Cross School
2nd	M227	Bryce Mitchell	Roberto Clemente Middle School
2nd	M228	Sayuri Modi	Roberto Clemente Middle School
2nd	M242	Michael Stallard	Roberto Clemente Middle School
2nd	M249	Amber Tien	Takoma Park Middle School
1st	M206	Digonto Chatterjee	Robert Frost Middle School
1st	M217	Anil Ghosh	Rocky Hill Middle School
1st	M220	Shriya Kalluri	Roberto Clemente Middle School
1st	M232	Larson Ozbun	Roberto Clemente Middle School
1st	M245	Sudhish Swain	Takoma Park Middle School
1st	M254	Angelina Xu	Roberto Clemente Middle School

### M300 - Chemistry

Place	Project #	Full Name	School
H	M301	Isabella Amador	Holy Cross School
H	M308	Alessandra DeGroat	Holy Cross School
H	M311	Alexander Goldstein	Roberto Clemente Middle School
H	M317	Anna Linteris	Roberto Clemente Middle School
H	M323	Renita Santhoshkumar	Takoma Park Middle School
H	M331	Lillie Weaver	Holy Cross School

3rd	M306	Caleb Collins	Roberto Clemente Middle School
3rd	M306	Soren Brown	Roberto Clemente Middle School
3rd	M319	Maegan Mathews	Holy Cross School
3rd	M322	Anushka Poddar	Takoma Park Middle School
2nd	M304	Kaustubh Bhal	Roberto Clemente Middle School
2nd	M304	Rehan Kabir	Roberto Clemente Middle School
2nd	M312	Sayeda Hasni	Muslim Community School
2nd	M324	Rohun Sarkar	Roberto Clemente Middle School
1st	M310	Meherzan Gai	Roberto Clemente Middle School
1st	M320	Mia Mygatt	Home Schooled
1st	M330	Jay Wakhede	Roberto Clemente Middle School

### M400 - Computer Science/Math

Place	Project #	Full Name	School
H	M402	Samuel Lin	Herbert Hoover Middle School
H	M403	Sameer Mehta	Takoma Park Middle School
H	M404	Arnav Poddar	William H. Farquhar Middle School
H	M404	Srihari Kompella	William H. Farquhar Middle School
H	M408	Saatvik Soma	Roberto Clemente Middle School
H	M408	Simon Ambrozak	Roberto Clemente Middle School
3rd	M405	Akiva Rosenzweig	Robert Frost Middle School
2nd	M401	Nathan Cho	Takoma Park Middle School
2nd	M401	Michael Ilie	Takoma Park Middle School
1st	M406	Kevin Wu	Takoma Park Middle School

### M500 - Engineering

Place	Project #	Full Name	School
H	M501	Corbin Aquino	Roberto Clemente Middle School
H	M501	Saraansh Wadkar	Roberto Clemente Middle School
H	M502	Elizabeth Chu	Takoma Park Middle School
H	M503	Kavi Daliparti	Roberto Clemente Middle School
H	M512	Salma Sanad	Muslim Community School
H	M514	Kush Sharma	Roberto Clemente Middle School
H	M518	Nicole Wojcik	Takoma Park Middle School
H	M518	Viveka Sinha	Takoma Park Middle School
3rd	M510	Ritviik Ravi	Roberto Clemente Middle School
3rd	M519	Benjamin Wu	Herbert Hoover Middle School
2nd	M509	Akhil Raman	Roberto Clemente Middle School
2nd	M516	Hudson Tao	Takoma Park Middle School
2nd	M516	River Chen	Takoma Park Middle School
1st	M506	Matthew Kim	Other School-See notes
1st	M513	Anjan Sesityy	Roberto Clemente Middle School
1st	M513	Ishaan Jain	Roberto Clemente Middle School

### M700 - Physics

Place	Project #	Full Name	School
-------	-----------	-----------	--------

H	M702	Kayla Augustin	Holy Cross School
H	M711	Leavy Hu	Roberto Clemente Middle School
H	M714	Sannidhi Reddy Korisepati	Roberto Clemente Middle School
H	M716	Pratyusha Mandal	Takoma Park Middle School
H	M717	Nick McGonigle	Roberto Clemente Middle School
H	M719	Brent Midlam	Roberto Clemente Middle School
H	M719	Yanar Hanieh	Roberto Clemente Middle School
H	M721	Gabe Nather	Takoma Park Middle School
H	M723	Isabelle Rivera	Holy Cross School
H	M724	Derek Sha	Roberto Clemente Middle School
H	M724	Eddie Fang	Roberto Clemente Middle School
H	M725	Riona Sheikh	Roberto Clemente Middle School
H	M728	Keya Suri	Roberto Clemente Middle School
H	M733	Sumedh Vangara	Roberto Clemente Middle School
H	M737	Daniel Zheng	Roberto Clemente Middle School
3rd	M704	Abjini Chattopadhyay	Takoma Park Middle School
3rd	M718	Marshall McNamee	Home Schooled
3rd	M720	Ami Mundra	Roberto Clemente Middle School
3rd	M730	Ruth Taddesse	Takoma Park Middle School
2nd	M709	Luke Griffith	Roberto Clemente Middle School
2nd	M709	Luke Vincent	Roberto Clemente Middle School
2nd	M713	Jacob Kline	Roberto Clemente Middle School
2nd	M722	Aaron Nealy	Home Schooled
2nd	M734	Joshua Wang	Takoma Park Middle School
2nd	M734	Justin Chen	Takoma Park Middle School
1st	M705	Dennis Chunikhin	Robert Frost Middle School
1st	M712	Vindhya Iyer	Roberto Clemente Middle School
1st	M712	Carmen Kenfack	Roberto Clemente Middle School
1st	M726	Veera Singh	Roberto Clemente Middle School
1st	M729	Nina Swartz	St. Jane de Chantal School

<b>Category Winners - High School</b>	
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
H	H201	Allie Amerman	Wheaton High School
H	H204	Spencer Chan	Poolesville High School
H	H216	Jasmine Gong	Thomas S. Wootton High School
H	H218	Varsha Iyer	Poolesville High School
H	H221	Abeni Kazi	Muslim Community School
H	H228	Chloe Noh	Richard Montgomery High School
3rd	H203	Faith Mindy Burton	Montgomery Blair High School
3rd	H213	Michael Gan	Richard Montgomery High School
3rd	H233	Anika Seth	Montgomery Blair High School
3rd	H233	Shruti Chauhan	Montgomery Blair High School
3rd	H238	Devasena Sitaram	Montgomery Blair High School
3rd	H238	Yuri Kim	Montgomery Blair High School

2nd	H210	Gautom Das	Montgomery Blair High School
2nd	H212	Daniel Fong	Poolesville High School
2nd	H227	Nikhil Niranjn	Clarksburg High School
1st	H208	Daniel Choi	Richard Montgomery High School
1st	H217	Rohit Harapanhalli	Montgomery Blair High School
1st	H224	Benjamin Nachod	Poolesville High School

### H300 - Chemistry

Place	Project #	Full Name	School
H	H301	Sadhana Dasari	Richard Montgomery High School
H	H303	Ricky Hong	Poolesville High School
H	H310	Sahil Sinha	Poolesville High School
3rd	H307	Amanda Liu	Montgomery Blair High School
2nd	H309	Shreya Shete	Poolesville High School
1st	H304	Frank Horrigan	Poolesville High School

### H400 - Computer Science

Place	Project #	Full Name	School
H	H407	Iris Gupta	Montgomery Blair High School
H	H407	Vivian Li	Montgomery Blair High School
H	H407	Joy Xu	Montgomery Blair High School
H	H408	Devin Hoover	Poolesville High School
H	H415	Rao Li	Poolesville High School
H	H426	Steven Qu	Montgomery Blair High School
H	H433	Grace Tang	Poolesville High School
3rd	H402	Ryan Cho	Montgomery Blair High School
3rd	H402	Telon Yan	Montgomery Blair High School
3rd	H406	Aditi Gubba	Poolesville High School
3rd	H406	Om Desai	Poolesville High School
3rd	H414	Jason Lee	Poolesville High School
3rd	H414	Jason Lee	Poolesville High School
3rd	H414	Charles Wang	Other
3rd	H429	Kush Savsani	Richard Montgomery High School
2nd	H417	Sadhana Lolla	Poolesville High School
2nd	H417	Amy Zhao	School in Howard County
2nd	H401	Kevin Chen	Poolesville High School
2nd	H409	Sreedatta Kaligotla	Poolesville High School
2nd	H428	Ronoy Sarkar	Poolesville High School
1st	H403	Lauren Choi	Walter Johnson High School
1st	H413	Grace Kim	Poolesville High School
1st	H431	Ishana Shastri	Poolesville High School

### H500 - Engineering

Place	Project #	Full Name	School
H	H514	Benjamin Molnar	Poolesville High School
H	H518	Dhruv Pai	Montgomery Blair High School
H	H520	Catherine Rodriguez	Montgomery Blair High School

H	H522	Anjali Samavedam	Thomas S. Wootton High School
H	H525	Nina Tang	Poolesville High School
3rd	H517	Hirschel Nambiar	Poolesville High School
3rd	H526	Sanjit Thangarasu	Poolesville High School
2nd	H504	John Carbonell	Poolesville High School
2nd	H508	Ben Ganelin	Thomas S. Wootton High School
2nd	H511	Seo Jin Lee	Walter Johnson High School
1st	H502	Roshini Balan	Holton-Arms School
1st	H516	Marshall Nambiar	Poolesville High School
1st	H527	Ashwini Thirukkonda	Poolesville High School
1st	H528	Visesh Uppoor	Richard Montgomery High School

### H600 - Math

Place	Project #	Full Name	School
H	H602	Vincent Bian	Poolesville High School
H	H606	Safiullah Rifai	Poolesville High School
H	H606	Anne Weldon	Clarksburg High School
3rd	H609	Daniel Zhu	Montgomery Blair High School
2nd	H607	Jacob Stavrianos	Montgomery Blair High School
2nd	H607	Haydn Gwyn	Montgomery Blair High School
1st	H603	Naveen Durvasula	Montgomery Blair High School

### H700 - Physics

Place	Project #	Full Name	School
H	H705	Hrishi Chintagumpala	Poolesville High School
H	H709	Siobhan Light	Richard Montgomery High School
H	H713	Abrar Sheikh	Poolesville High School
H	H717	Shang Zhang	Basis Independent Mclean
3rd	H701	Yash Anand	Montgomery Blair High School
3rd	H703	Claire Brizzolara	Walter Johnson High School
3rd	H716	Justin Zhang	Montgomery Blair High School
3rd	H716	Matthew Shu	Montgomery Blair High School
3rd	H716	Eric Hao	Montgomery Blair High School
2nd	H708	Katie Kolodner	Richard Montgomery High School
2nd	H715	Clark Zhang	Montgomery Blair High School
1st	H707	Bryan Foo	Poolesville High School
1st	H710	Lara Ojha	Montgomery Blair High School