

NORTH JERSEY REGIONAL SCIENCE FAIR

OFFICIAL AWARDS LIST OVERALL AWARDS-NJRSF-2014

Final Report, for awards ceremony

NOT TO BE RELEASED PRIOR TO 8:00 P.M., March 15, 2014

ISEF TRIP AWARDS

Four students and their advisors will receive expense paid trips to the International Science and Engineering Fair in Los Angeles, California, to be held May 11-16.

Winners

Joshua Abraham Meier/CB.16

grade 12

Ritesh Narayan Ragavender/MC.07

grade 12

Kelvin Wang/PH.06

grade 11

Alon Millet/GB.03

grade 10

Bergen County Academies

South Brunswick High School

Bergen County Academies

Bergen County Academies

Robert Pergolizzi, PhD

Alex Ellis

Ting Yu

Donna Leonardi

Alternates

Ji-Sung Kim/BI.07

grade 12

Masaharu Ono/CR.10

grade 12

Bergen County Academies

Tenafly High School

Mrs. Donna Leonardi

Helen Coyle

ISEF TEAM AWARDS

Thanks to a special grant from AT&T Labs, pursuant to the Netflix Prize won by researchers at the Shannon Lab, the NJRSF was able to send a team to ISEF for the first time in 2010. That practice is continuing in the present fair. The students and their advisor will accompany the individual winners named above.

Winners

Jenna Rose DiRito/BI.05

grade 12

Serena Tharakan/BI.05

grade 12

Academy for Medical Science Technology Robert Pergolizzi, PhD

Alternates

Akhil Chowdary Bandi /BS.13

grade 12

Akhil Parlapalli /BS.13

grade 12

Rachel Triebwasser/CH.09

grade 11

Christine Anne Kim/CH.09

grade 12

Mahmoud Bachir/CH.09

grade 11

J. P. Stevens High School

Barbara Maloney

Colonia High School

James Danch

NJIT Academic Fellowship

Two juniors receive a \$1,000/yr four-year academic fellowship to NJIT, conditional on normal admission procedures.

<i>Winner</i>			
Justin Kevin Yu/BI.01	grade 11	Academy of Science and Technology	Donna Leonardi
Heather Amelia Newman /MC.09	grade 11	Colonia High School	James Danch
<i>Alternates</i>			
Katherine Chew/BI.02	grade 11	Academy of Science and Technology	Robert Pergolizzi
Benjamin M Kelser/EV.10	grade 11	Summit High School	Dr. Benjamin Greene
Liam C Stewart/EV.10	grade 11		

ISEF Symposium Finalists

Up to twelve students are chosen as finalists for the ISEF trips. These students make oral presentations in the Finalist Symposium.

<i>Senior Division</i>			
Ji-Sung Kim/BI.07	grade 12	Bergen County Academies	Mrs. Donna Leonardi
Joshua Abraham Meier/CB.16	grade 12	Bergen County Academies	Robert Pergolizzi, PhD
Isabella Natalie Grabski/CH.05	grade 12	Academy of Science and Technology	Deok-Yang Kim
Dongyeon Kim/CR.03	grade 12	Academy for Medical Science Technology	Donna Leonardi
Masaharu Ono/CR.10	grade 12	Tenafly High School	Helen Coyle
Trisha Chadha Datta/EN.02	grade 11	Hillsborough High School	Marco Gruteser
ChangWon (Charlie) Lee/GB.10	grade 11	River Dell Regional High School	Chin Chu
Hee Jae (Ana) Song/HP.05	grade 12	Academy for Medical Science Technology	Donna Leonardi
Ritesh Narayan Ragavender/MC.07	grade 12	South Brunswick High School	Alex Ellis
Kelvin Wang/PH.06	grade 11	Bergen County Academies	Ting Yu
<i>Junior Division (Grades 9-10)</i>			
Alon Millet/GB.03	grade 10	Bergen County Academies	Donna Leonardi
Himani Patel/CR.09	grade 10	Academy of Science and Technology	Mrs. Donna Leonardi

Partners in Science Award

Two students receive a two-month summer research position working in a corporate or university lab in New Jersey, with a professional scientist or engineer.

<i>Winners</i>			
Ishani Vijay Khatiwala/HP.17	grade 11	Pascack Hills High School	Martin Edelberg
Sabina London/BI.09	grade 10	Northern Valley Regional High School at Dr. Federico Casares	
<i>Alternates</i>			
Vanita Mangru/CR.02	grade 11	Bergen County Academies	Alyssa Calabro
Heather Amelia Newman /MC.09	grade 11	Colonia High School	James Danch
Rachel Gleyzer/CR.15	grade 10	Academy of Science and Technology	Dr. Robert Pergolizzi
Ryan Nathaniel Alweiss/MC.03	grade 11	Bergen County Academies	Dr. Krassimir Penev

NJIT Summer Academy Scholarship

Two students receive scholarships to the NJIT Summer Academy where they may take up to 6 college credits during the summer.

Winners

Anna Molotkova/CR.08	grade 10	Bergen County Academies	Alyssa Calabro
Alexander John Kelsner/EN.08	grade 11	Summit High School	Ben Greene

Alternates

Emily Gwen Tulsy/EV.24	grade 10	Summit High School	Cynthia Vitale
Patricia Helena Perfect/MB.03	grade 10	Bergen County Academies	Alyssa Calabro

NJ Water Environment Association Award

One project receives an award of \$500 for excellence in promoting water quality or quantity. This project is also eligible for further competition at the state level.

Marium Khalid/EV.08	grade 12	Pascack Hills High School	Dr. Edelberg
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Sustainable Technology Award

One project will receive an award of \$300 for excellence in promoting sustainable solutions in energy, environment, or water.

Jonah M. Williams/CB.09	grade 12	Columbia High School	Amy Biasucci
Sustainable Technology, 2nd Place			

One project will receive an award of \$200 for second place

Rachel Triebwasser/CH.09	grade 11	Colonia High School	James Danch
Christine Anne Kim/CH.09	grade 12		
Mahmoud Bachir/CH.09	grade 11		

Karen Kranz Memorial Award for Independent Student Research

Two students receive an award of \$250, plus an engraved plaque, for an outstanding research project carried out without substantial help from or participation by professional scientists or engineers. The second place award is \$150. This award is now named in memory of Karen Kranz, a 20-year member of the organizing committee who passed away in 2012.

Eugene Zeng/BS.12	grade 12	Millburn H.S.	Paul Gilmore
Ji-Sung Kim/BI.07	grade 12	Bergen County Academies	Mrs. Donna Leonardi
Second Place			

Bianca Pereira/CR.16	grade 10	Academy for Medical Science Technology	Mrs. Leonardi
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Four-Year NJRSF Entrant Awards

Any student who has entered the NJRSF during all four years of high school receives an award of a \$50 gift card for Borders Book Store.

Freshman NJRSF Entrant Awards

Any freshman entrant in the NJRSF receives a \$20 cash award. (note: For a team project, all team members are shown below, but the award only goes to freshman members of the team.)

Curtis Dukes/EN.09	grade 9	Summit High School	Dr. Benjamin Greene
Keyur Mehul Palan/HP.04	grade 9	Colonia High School	James Danch
Jonathan Robert Brigande/HP.04	grade 9		
Brian Madigan Demcher/HP.04	grade 9		
Dominik Tomas Klimczak/HP.01	grade 9	Colonia High School	James Danch

Prem Trehan/HP.01 grade 9
Melanie Ann Albanese/EV.04 grade 9
Madelyn Grace Campione/EV.04 grade 9
Michelle Nicole DAlessandro/EV.04 grade 9
Lily Lin Chu/BI.10 grade 9
Jeffrey Henry Tantow/EN.07 grade 9
Carolyn Wong/EN.04 grade 9
Alex Choi/HP.16 grade 10
Seungwoo Lee/HP.16 grade 11
Sei Jin Kim/HP.16 grade 9

Colonia High School

James Danch

Montgomery H.S.
Woodbridge High School
Morristown H.S.

Chris Resch
Tina Clarke
Brian Young

PRAFYS (Professional Research Academy for Young Scientists) Jongbin Lee

CATEGORY AWARDS

Biomedical Science

1st	Jenna Rose DiRito/BI.05 Serena Tharakan/BI.05	grade 12 grade 12	Academy for Medical Science Technology
	Ji-Sung Kim/BI.07	grade 12	Bergen County Academies
2nd	Ariana Rose Martino/BI.11	grade 12	Academy for Medical Science Technology
3rd	Nicole Marie Eskow/BI.08	grade 11	Bergen County Academies
Hon.Men.	Katherine Chew/BI.02 Justin Kevin Yu/BI.01	grade 11 grade 11	Academy of Science and Technology Academy of Science and Technology
	Sabina London/BI.09	grade 10	North Plainfield Regional High School at Demarest

Behavioral Science

1st	Akhil Chowdary Bandi /BS.13 Akhil Parlapalli /BS.13	grade 12 grade 12	J. P. Stevens High School
2nd	Ellen Xiaobing Drennan/BS.02	grade 11	Pascack Hills High School
3rd	Sofiya Soroka/BS.05	grade 12	Livingston High School
	Evan Nariman Tinati/BS.15	grade 10	Pascack Valley High School
Hon.Men.	Jason Connor Stern/BS.01 Christopher Lee Souflis/BS.01	grade 10 grade 10	Pascack Hills High School
	Moala Keshei Bannavti/BS.09	grade 11	North Plainfield High School
	Johanna Canales/BS.09	grade 11	
	Eugene Zeng/BS.12	grade 12	Millburn H.S.

Cellular and Molecular Biology

1st	Joshua Abraham Meier/CB.16	grade 12	Bergen County Academies
2nd	Jonah M. Williams/CB.09	grade 12	Columbia High School
3rd	Bryan Michael Gerber/CB.10	grade 12	Watchung Hills Regional High School
	Ankitha Radakrishnan/CB.05	grade 12	Academy for Medical Science Technology
Hon.Men.	Sneha Kabaria/CB.01	grade 11	Bergen County Academies
	Scott Evan Berger/CB.07	grade 11	Pascack Hills High School

Chemistry

1st	Isabella Natalie Grabski/CH.05	grade 12	Academy of Science and Technology
2nd	Rachel Triebwasser/CH.09 Christine Anne Kim/CH.09 Mahmoud Bachir/CH.09	grade 11 grade 12 grade 11	Colonia High School
3rd	Kellie Heom/CH.01	grade 12	Bergen County Academies
	Bhoomi Bhuptani/CH.08	grade 12	Livingston High School

Hon.Men.

Cancer Research

1st	Dongyeon Kim/CR.03	grade 12	Academy for Medical Science Technology
	Masaharu Ono/CR.10	grade 12	Tenaflly High School
2nd	Brianna Pereira/CR.06	grade 12	Academy for Medical Science Technology
	Himani Patel/CR.09	grade 10	Academy of Science and Technology
	Parth Bhargav Patel/CR.12	grade 12	Academy for Medical Science Technology
3rd	Bianca Pereira/CR.16	grade 10	Academy for Medical Science Technology
	Ankush Rakhit/CR.13	grade 12	Livingston High School
Hon.Men.	Justin Trout/CR.05	grade 10	Academy for Medical Science Technology
	Rachel Gleyzer/CR.15	grade 10	Academy of Science and Technology
	Anna Molotkova/CR.08	grade 10	Bergen County Academies

Engineering

1st	Trisha Chadha Datta/EN.02	grade 11	Hillsborough High School
2nd	Alexander John Kelser/EN.08	grade 11	Summit High School
3rd	William Perry Cortes/EN.01	grade 12	Colonia High School
Hon.Men.	John Christian Fantell/EN.05	grade 11	Colonia High School
	Brendan Lawrence Demitus/EN.05	grade 11	

Environmental Science

1st	Abhay Srinivas/EV.22	grade 11	Watchung Hills Regional High School
2nd	Kristen Miller/EV.15	grade 12	Summit High School
3rd	Julia Lauren Abolafia/EV.12	grade 12	Pascack Valley High School
	Samantha Peri Rush/EV.12	grade 11	
Hon.Men.	Jerome Fratello /EV.03	grade 12	Bergen County Academies
	Christopher Capasso /EV.03	grade 12	

General Biology

1st	Daniela Chica/GB.05	grade 12	Colonia High School
	ChangWon (Charlie) Lee/GB.10	grade 11	River Dell Regional High School
2nd	Alon Millet/GB.03	grade 10	Bergen County Academies
3rd	Hayley May Roy Gill/GB.06	grade 11	Colonia High School
Hon.Men.	Annie He/GB.02	grade 12	Pascack Hills High School
	Bianca McLean/GB.08	grade 10	Pascack Valley High School

Health and Physiology

1st	Hee Jae (Ana) Song/HP.05	grade 12	Academy for Medical Science Technology
2nd	Dominik Tomas Klimczak/HP.01	grade 9	Colonia High School
	Prem Trehan/HP.01	grade 9	
	Ishani Vijay Khatiwala/HP.17	grade 11	Pascack Hills High School
3rd	Rebecca Judith Rosenthal/HP.03	grade 10	Bergen County Academies
	Mila Santos Sun-Sun Lam/HP.11	grade 12	Pascack Hills High School
	Cyrus Basseri /HP.11	grade 12	
Hon.Men.	Daniel E Miller/HP.08	grade 11	Pascack Hills High School
	Alana Beth Smolinsky/HP.08	grade 11	

Microbiology

1st	Robert Michael Esposito/MB.05	grade 11	Colonia High School
	Harsimran Panesar/MB.07	grade 12	Watchung Hills Regional High School
2nd			
3rd	Zachary Aaron Broadman/MB.06	grade 10	Pascack Hills High School
	Annie Marie Colgan/MB.06	grade 10	
Hon.Men.	Gabriel Lima Ribeiro/MB.04	grade 10	Summit High School
	Emily Chen Tang/MB.10	grade 10	Watchung Hills Regional High School

Mathematics and Computers

1st	Ritesh Narayan Ragavender/MC.07	grade 12	South Brunswick High School
2nd	Peter Chanbo Shim/MC.11	grade 11	Pingry School
3rd	Heather Amelia Newman /MC.09	grade 11	Colonia High School
	Jessica Feiya Li /MC.14	grade 11	Kent Place School
Hon.Men.	William Kang/MC.04	grade 11	Bergen County Academies

Physics

1st	Kelvin Wang/PH.06	grade 11	Bergen County Academies
2nd	Seneca Jackson Velling/PH.10	grade 12	Watchung Hills Regional High School
	Eshan Kaul/PH.10	grade 11	
3rd	Zachary White Collins/PH.12	grade 12	Watchung Hills Regional High School
Hon.Men.	Chen Ding/PH.09	grade 11	Watchung Hills Regional High School
	Christina Paula Migliore/PH.02	grade 12	Tenafly High School

Rutgers Student Award

1. Alexa Hacopian/MB.02	grade 10	Pascack Valley High School
2. Patricia Helena Perfect/MB.03	grade 10	Bergen County Academies
3. Alisa Gudz /BS.03	grade 12	Livingston High School
4. Dylan A. Sen/BS.11	grade 12	Pascack Valley High School
5. Sohum Sanghvi/MC.02	grade 11	Bergen County Academies
6. Sol Jay Lim/EV.13	grade 11	Bergen County Academies
7. Eric Kim/BI.03	grade 11	Academy for Medical Science Technology
8. Anish Ramachandra Naik/BI.12	grade 11	Millburn H.S.
9. Lauren Jacqui Beglin/CB.02	grade 11	Bergen County Academies
10. Sungho Lee/CH.03	grade 11	Academy of Science and Technology
11. Carolyn Wong/EN.04	grade 9	Morristown H.S.
12. Curtis Dukes/EN.09	grade 9	Summit High School
13. Caroline Mariam Rafizadeh/PH.01	grade 12	Summit High School
14. Jiyoun Jennifer Ha/PH.14	grade 12	Tenaflly High School
15. Rebecca Judith Rosenthal/HP.03	grade 10	Bergen County Academies
16. Stacey Qi Xuan Chung/CR.20	grade 10	Academy for Medical Science Technology
17. Zachary Justin Stier/MC.01	grade 10	Bergen County Academies
18. Justin Reed Culshaw/GB.09	grade 12	Pascack Valley High School
19. Tommaso M. Lombardi/GB.01	grade 11	Pascack Hills High School
20. Emily Gwen Tulskey/EV.24	grade 10	Summit High School
20. Daniella Batarseh/CB.03	grade 12	Academy for Medical Science Technology
20. Joseph Lin Da/CH.07	grade 11	Watchung Hills Regional High School

Statistics Award

1. Hee Jae (Ana) Song/HP.05	grade 12	Academy for Medical Science Technology
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Statistics Award, Second Place

1. Eugene Zeng/BS.12	grade 12	Millburn H.S.
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Statistics Award, Third Place

1. Sneha Kabaria/CB.01	grade 11	Bergen County Academies
1. Stephanie Morgan Alberti/HP.15	grade 12	Pascack Hills High School
Taylor Muller/HP.15	grade 12	

Statistics Award, Honorable Mention

1. Sofiya Soroka/BS.05	grade 12	Livingston High School
2. Scott Evan Berger/CB.07	grade 11	Pascack Hills High School
3. Jerome Fratello /EV.03	grade 12	Bergen County Academies
Christopher Capasso /EV.03	grade 12	

Theobald Smith Society Award in Microbiology

1. Harsimran Panesar/MB.07	grade 12	Watchung Hills Regional High School
2. Alexa Hacopian/MB.02	grade 10	Pascack Valley High School
3. Jonah M. Williams/CB.09	grade 12	Columbia High School

Theobald Smith Society Award, Honorable Mention

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| 1. Pallavi Revathi Patil/MB.09 | grade 11 | Summit High School |
| 2. Emily Chen Tang/MB.10 | grade 10 | Watchung Hills Regional High School |

David S. Young Memorial Award

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| 1. Trisha Chadha Datta/EN.02 | grade 11 | Hillsborough High School |
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Meteorology Award

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| <i>Jr. Division</i> | | |
| 1. Carmen Pravia/EV.01 | grade 11 | North Plainfield High School |
| Nancy Bahnasy/EV.01 | grade 10 | |
| <i>Sr. Division</i> | | |
| 1. Hayley Austin/PH.13 | grade 12 | Tenafly High School |

Geoscience Award

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| <i>Jr. Division</i> | | |
| 1. Jessica E. Schenkman/EV.11 | grade 11 | Tenafly High School |

Human Genetics Award, First Place

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| 1. Brianna Pereira/CR.06 | grade 12 | Academy for Medical Science Technology |
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Human Genetics Award, Second Place

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| 1. Ankitha Radakrishnan/CB.05 | grade 12 | Academy for Medical Science Technology |
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Intel Excellence in Computer Science Award

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| <i>Sr. Division</i> | | |
| 1. Kelvin Wang/PH.06 | grade 11 | Bergen County Academies |
| 1. Seneca Jackson Velling/PH.10 | grade 12 | Watchung Hills Regional High School |
| Eshan Kaul/PH.10 | grade 11 | |

In Vitro Biology Award

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|--------------------------|----------|-----------------------------------|
| 1. Justin Kevin Yu/BI.01 | grade 11 | Academy of Science and Technology |
| 2. Sneha Kabaria/CB.01 | grade 11 | Bergen County Academies |

ISWEEEP Sustainable World Award

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| 1. Abhay Srinivas/EV.22 | grade 11 | Watchung Hills Regional High School |
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Material Science Award

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| <i>Sr. Division</i> | | |
| 1. Alec Jacob Farid/PH.04 | grade 12 | Millburn H.S. |
| 1. Charlotte Rose Zuber/CH.10 | grade 12 | Watchung Hills Regional High School |

Mu Alpha Theta Award

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|--------------------------------|----------|-------------------------|
| <i>Jr. Division</i> | | |
| 1. Zachary Justin Stier/MC.01 | grade 10 | Bergen County Academies |
| <i>Sr. Division</i> | | |
| 1. Jonathan Douglas Chan/MC.06 | grade 11 | Bergen County Academies |

NOAA Pulse of the Planet Award

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|---|---|-------------------------------------|
| 1. Seneca Jackson Velling/PH.10
Eshan Kaul/PH.10 | <i>Jr. Division</i>
grade 12
grade 11 | Watchung Hills Regional High School |
| 1. Benjamin M Kelser/EV.10
Liam C Stewart/EV.10 | <i>Sr. Division</i>
grade 11
grade 11 | Summit High School |

Office of Naval Research Award

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|--------------------------------|----------|-------------------------------------|
| 1. Gregory David Carroll/EN.10 | grade 11 | Watchung Hills Regional High School |
| 2. Abhay Srinivas/EV.22 | grade 11 | Watchung Hills Regional High School |
| 3. Jonathan Douglas Chan/MC.06 | grade 11 | Bergen County Academies |
| 4. Kelvin Wang/PH.06 | grade 11 | Bergen County Academies |
| 4. Jiyoun Jennifer Ha/PH.14 | grade 12 | Tenaflly High School |

Public Health Award

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|------------------------------|---------------------------------|----------------------------|
| 1. Evan Nariman Tinati/BS.15 | <i>Jr. Division</i>
grade 10 | Pascack Valley High School |
| 1. Kristen Miller/EV.15 | <i>Sr. Division</i>
grade 12 | Summit High School |

American Psychological Association Award

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|--|---|---------------------------|
| 1. Jason Connor Stern/BS.01
Christopher Lee Souflis/BS.01 | <i>Jr. Division</i>
grade 10
grade 10 | Pascack Hills High School |
| 1. Akhil Chowdary Bandi /BS.13
Akhil Parlapalli /BS.13 | <i>Sr. Division</i>
grade 12
grade 12 | J. P. Stevens High School |

Ricoh Sustainable Development Award

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|---------------------------|---------------------------------|-------------------------|
| 1. Alon Millet/GB.03 | <i>Jr. Division</i>
grade 10 | Bergen County Academies |
| 1. Alec Jacob Farid/PH.04 | <i>Sr. Division</i>
grade 12 | Millburn H.S. |

Scientific American Award

1. Ji-Sung Kim/BI.07	grade 12	Bergen County Academies
2. Joshua Abraham Meier/CB.16	grade 12	Bergen County Academies
3. Isabella Natalie Grabski/CH.05	grade 12	Academy of Science and Technology
4. Dongyeon Kim/CR.03	grade 12	Academy for Medical Science Technology
5. Masaharu Ono/CR.10	grade 12	Tenaflly High School
6. Trisha Chadha Datta/EN.02	grade 11	Hillsborough High School
7. ChangWon (Charlie) Lee/GB.10	grade 11	River Dell Regional High School
8. Hee Jae (Ana) Song/HP.05	grade 12	Academy for Medical Science Technology
9. Ritesh Narayan Ragavender/MC.07	grade 12	South Brunswick High School
9. Kelvin Wang/PH.06	grade 11	Bergen County Academies

Metric Award

Stockholm Junior Water Prize

1. David Kang Myung Yang/EV.06	<i>Jr. Division</i> grade 10	Bergen County Academies
1. Malcolm James LeClair/EV.25	<i>Sr. Division</i> grade 12	Tenaflly High School

Yale Science and Engineering Award

1. James Dongmin Lee/PH.03	grade 11	Bergen County Academies
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