



Connecticut Science & Engineering Fair

Quinnipiac University

March 11 - 15, 2014

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

Final Judging Results

CASE Urban School Challenge Awards with support from Travelers

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Project Title]

Award Legend
Trophy Winners = 1, 2, ...
Medalists = m
Winners = w

Middle School

New Haven Worthington Hooker Middle School Mr. Jones

5515 P8 Removal and Recycling of Phosphate from Water using Various Methods: A Sustainability Project

Award 1 Student(s) Maya Geradi Grade 8 Town New Haven

- Dominion Nuclear Connecticut Physical Sciences Awards --- 2nd Place- Physical Sciences 8th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 1st Place Middle School - \$300 and Trophy, Medallion and Project Oceanology's Ocean Camp
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship to Quinnipiac University for Middle School Student
- Connecticut Academy of Science and Engineering Middle School Urban School Challenge Award --- Urban School Challenge 1st MS- \$250 Cash Award, Invite to attend CASE's Annual Mtg & \$500 to School Science Department for Equipment/Supplies
- Environmental/ Energy Award- Urban Public School Award --- \$100 Award for top environmental or alternative energy project from a New Haven public school

Bridgeport Interdistrict Discovery Magnet School Rachel Bowman

2532 L8 The Effects of Bisphenol-A on anxiety, short-term memory, and sucrose preference in adolescent female rats.

Award 2 Student(s) Ava Fabian Grade 8 Town Bridgeport

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 8th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 2nd Place Middle School - \$200 and Trophy, Medallion
- Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award Souvenir

Hartford Environmental Sciences Magnet at Mary Hooker Rebecca Hays

2541 L8 Climate Change vs. Mussels: Unfiltered!

Award 3 Student(s) Taylor Marchand Grade 8 Town Winchester

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 3rd Place Middle School - \$100 and Trophy, Medallion
- Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban Middle School Project
- Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum

Hartford Capital Preparatory Magnet School Kelly Horan

2523 L8 Does a Magnetic Field Affect Plant Cells?

Award 4 Student(s) Sophie Lee Grade 8 Town Rocky Hill

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 4th Place Middle School - Trophy, Medallion
- Alexion Biotechnology Awards --- 5th Place- Biotechnology 8th grade- trophy
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF



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New Haven Worthington Hooker Middle School Mr. Jones

1021 LT Plants on Other Planets: The Effects of Gravity and Atmosphere

Award 5 Student(s) Rachel Kawall Grade 7 Town New Haven
Sophie Edelstein Grade 7 Town New Haven

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences MS Team- \$100 each & trophy and Invite to Compete Broadcom MASTERS
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 5th Place Middle School - Trophy, Medallion
- Alexion Biotechnology Awards --- 2nd Place- Biotechnology 7th grade- \$200 & trophy
- Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School Life Sciences
- Alumni Botany Awards --- Alumni High School Botany Award- \$100 Cash

Bridgeport High Horizons Magnet School Mrs. Scott-Thiam

5526 P8 A Lot of Power

Award m Student(s) Humberto Figueroa Grade 8 Town Bridgeport

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Middle School Finalist - Medallion and acrylic award

Bridgeport Multicultural Magnet School Mr. Walter Mayorga

5550 P8 Electrostatic Generator

Award m Student(s) Sarah Hernandez Grade 8 Town Bridgeport

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Middle School Finalist - Medallion and acrylic award
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship to Quinnipiac University for Middle School Student
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Junior Physics & teeshirt
- David and Torrey Fenton Awards --- For creative work in the physical sciences- middle school; \$200 cash

Hartford Environmental Sciences Magnet at Mary Hooker David Cappelart

2022 L7 Effect of Quantum on Plants

Award m Student(s) Hunter Rego Grade 7 Town Winsted

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Middle School Finalist - Medallion and acrylic award

New Haven Engineering & Science University Magnet School Elizabeth Costen

5016 P7 Contrasting Types of Doctor's Offices Using Amount of Virulent Bacteria

Award m Student(s) Jacob Feuerstein Grade 7 Town Woodbridge

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Middle School Finalist - Medallion and acrylic award



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Stamford Rippowam Middle School Mark Goldsmith
 5563 P8 Hypoallergenic Lawn Care Device
Award m **Student(s)** Kiran Jagtiani **Grade** 8 **Town** Stamford

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Middle School Finalist - Medallion and acrylic award
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- Association for Women Geoscientists --- Certificate & \$50 gift card to Amazon given by CSEF
- Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science
- Bob Harris Fix It Award --- \$100 and Certificate for ingenuity in using material and tools
- Connecticut Invention Convention --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"



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High School

Danbury Danbury High School Mr. John LaRosa

3098 LS Biological Control of the Invasive Eurasian Watermilfoil Using Aquatic Weevils

Award 1 Student(s) Janine Kerr Grade 11 Town Danbury

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High- \$500 & Plaque, Trip to compete at Intel ISEF
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 1st Place High School - \$500 and Plaque, Medallion and trip to compete at Intel Int. Sci. & Eng. Fair
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering with CCAT --- \$500 to 1st Place HS Urban School Challenge Science Department for Equipment/Supplies
- American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project
- Banning Family Life Science Award --- For excellence in invasive species research, \$100 cash
- Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash
- Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

6026 PS Bio-sensor drug carrier for insulin

Award 2 Student(s) William Tait Grade 12 Town Stratford

- Dominion Nuclear Connecticut Physical Sciences Awards --- 3rd Place- Physical Sciences Senior High Individual - \$200 & Plaque
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 2nd Place High School - \$400 and Plaque, Medallion
- H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering with CCAT --- \$1000 Cash Award and Invitation to attend CASE's Annual Mtg- 2nd Place HS USC
- H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering with CCAT --- \$500 to 2nd Place HS Urban School Challenge Science Department for Equipment/Supplies
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate

New Haven Hill Regional Career High School Mr. Dimoulas

3515 LST Saving the World from Brain Eating Amoebas

Award 3 Student(s) Sylwia Zambrzycka Grade 11 Town Shelton
Meeshali Patel Grade 11 Town New Haven

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 3rd Place High School - \$ 300 and Plaque, Medallion
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

6039 PS The Construction and Calculation of an Atmospheric Geothermal Airlift Pump Condenser

Award 4 Student(s) Matthew Raymond Grade 12 Town Fairfield

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 4th Place High School - Plaque, Medallion
- Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award



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Hartford Greater Hartford Academy of Math & Science Dr. Lili Aramli
 3158 LS The Effect of Common Industrial Food Additives on Zebrafish Embryo Development
Award 5 **Student(s)** Deniz Yetil **Grade** 12 **Town** Newington

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- 5th Place High School - Plaque, Medallion

Bridgeport Bassick High School Mr. Shadle
 6089 PS The Development of a Recycled Tire and Marine Cyanobacteria Single Chamber Microbial Fuel Cell
Award m **Student(s)** Rami Kharbouch **Grade** 11 **Town** Bridgeport

- Dominion Nuclear Connecticut Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Senior High Finalist - Medallion and acrylic award
- Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research, \$100 cash award

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 6091 PS Synthesis of Silver Nanoparticles using Plasma Arcing Atomizing Methods
Award m **Student(s)** Kelly DeMeo **Grade** 12 **Town** Fairfield

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Senior High Finalist - Medallion and acrylic award
- The Connecticut Technology Council Young Woman Innovation Award --- \$150 Cash Award for Technological Innovation

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 6029 PS Determining Natural Pigment Category that Leads to the Highest Output of Current and Voltage on Dye-Sensitized Solar Cell
Award m **Student(s)** Joshua Kreitler **Grade** 12 **Town** Shelton

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Senior High Finalist - Medallion and acrylic award

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 6110 PS Determination and removal of 17-Beta Estradiol in Long Island Sound.
Award m **Student(s)** Lora Walsh **Grade** 12 **Town** Stratford

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Senior High Finalist - Medallion and acrylic award



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New Haven Cooperative Arts and Humanities High School Mr. Bella

6503 PST Battling Subjectivity - Finding Tools For Nano-Scale Measurement

Award **m** Student(s) **Mairedad Brennan** Grade 11 Town New Haven
Melba Flores Grade 12 Town New Haven

- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Senior High Finalist - Medallion and acrylic award

New Haven Engineering & Science University Magnet School Roger Rushworth

3084 LS The Affect of Pseudomonas putida on the Biodegradation of Plastics

Award **m** Student(s) **Lauren Low** Grade 9 Town Hamden

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Bristol-Myers Squibb & Travelers --- Senior High Finalist - Medallion and acrylic award
- Environmental Sciences Awards with CACIWC --- 2nd Place HS- \$200, Plaque, CACIWC gifts, Trip to Compete GENIUS Olympiad, Oswego, NY
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- University of Connecticut - Physics Department --- UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate
- GENIUS Olympiad --- GGNIUS Olympiad Competition for HS student (s) and advisor