



Connecticut Science & Engineering Fair

Quinnipiac University

March 10 - 14, 2015

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

Final Judging Results

Award Legend

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

CASE Urban School Challenge Awards with support from Travelers

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

Middle School

Danbury Westside Middle School Academy Jonathan Neuhausel

5551 P8 UV-C Lighting As A Supplemental Method Of Preservation In Refrigerators To Reduce Energy Consumption

Award 1 Student(s) Christopher Hwang Grade 8 Town Danbury

- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Travelers --- 1st Place Middle School - \$300 and Trophy, Medallion and Project Oceanology's Ocean Camp
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- 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
- Alexion Biotechnology Awards --- 5th Place- Biotechnology 8th grade- trophy
- Ricoh Corporation/Society for Science & the Public --- Certificate, Lapel Pin,\$50 gift card to Amazon given by CSEF

New Haven Engineering & Science University Magnet School Mr. Roger L. Rushworth

2521 L8 Electric Energy Production In A Bio-fuel Cell For Varying Electrogenic Microbial Samples

Award 2 Student(s) Sumanth Kondapalli Grade 8 Town Milford

- CASE Urban School Challenge Awards with Travelers --- 2nd Place Middle School - \$200 and Trophy, Medallion
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade- \$500 & trophy and Invitation Compete in Broadcom MASTERS
- Environmental/Energy Award-Urban Public School Award --- For the highest scoring environmental protection or alternate energy project by a New Haven Public School student.

Hartford Environmental Sciences Magnet School at Mary Kirsten Devlin

2544 L8 Fruit Fly Fatality

Award 3 Student(s) Hunter Rego Grade 8 Town Winsted

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 8th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- CASE Urban School Challenge Awards with Travelers --- 3rd Place Middle School - \$100 and Trophy, Medallion
- Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban Middle School Project

Bridgeport Black Rock School Helena Coatsworth

2507 L8 Aqua-Life

Award m Student(s) Benjamin Clark Grade 8 Town Bridgeport

- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award



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Bridgeport High Horizons Magnet School Mrs. Scott-Thiam

5523 P8 Power Wind

Award m **Student(s)** Diego Garcia **Grade** 8 **Town** Bridgeport

- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award

Bridgeport Multicultural Magnet School Mr. Walter Mayorga

5555 P8 Powerful Propellers

Award m **Student(s)** Abigail Cloud **Grade** 8 **Town** Bridgeport

- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award
- Society of Women Engineers - Hartford Section --- Scientific Calculator
- John S. Kendall Memorial Award --- \$300 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School

Bridgeport Read School Mr. Tharson

5034 P7 Wood Toughness

Award m **Student(s)** Alexia Andrade **Grade** 7 **Town** Bridgeport

- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award

Danbury Westside Middle School Academy Mr. Neuhausel

5033 P7 Changing the pH of Soil to Generate Electricity in the Form of a Microbial Fuel Cell

Award m **Student(s)** Nila Narayan **Grade** 7 **Town** Danbury

- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award
- Environmental Sciences Awards with CACIWC --- 1st Place MS - \$300, Trophy, CACIWC gifts

New Haven Engineering & Science University Magnet School Mr. Roger Rushworth

5528 P8 Efficiency of Piezoelectric Materials for Electric Production

Award m **Student(s)** Prastik Mohanraj **Grade** 8 **Town** Ansonia

- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award
- IEEE, Connecticut Section --- \$100 Honorable Mention



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High School

Bridgeport Bridgeport Regional Aquaculture School Mr. Shadle

3118 LS Development of Non-toxic Photostabilized Phycoerythrin for Application in Dye Sensitized Solar Cells

Award 1 **Student(s)** Eunsun Hong **Grade** 12 **Town** Shelton

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Travelers --- 1st Place High School - \$500 and Plaque, Medallion and trip to compete at Intel Int. Sci. & Eng. Fair
- H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Urban School Challenge 1st HS- \$1,000, Silver Medal of Excellence, Invite to CASE Annual Mtg & \$500 cash award to School Science Department for equipment/supplies
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir
- University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Biochemistry

Bridgeport Bridgeport Regional Aquaculture School Mr. Kirk Shadle

3073 LS Determining the Effect of Biofouling on a Restocking System for Homarus americanus

Award 2 **Student(s)** Shana Isidoro **Grade** 12 **Town** Monroe

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Travelers --- 2nd Place High School - \$400 and Plaque, Medallion
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- Mystic Aquarium --- \$100 and 4 Admission Tickets to Mystic Aquarium

Bridgeport Bridgeport Regional Aquaculture School Kirk Shadle

6011 PS Application of the near-IR Luminescence Property of Egyptian Blue and related Alkaline Earth Metal Copper Silicates (ACuSi4O10, ACuSi2O6, ACuSi2O7) in Infrared Technologies

Award 3 **Student(s)** Daniel Munteanu **Grade** 12 **Town** Fairfield

- CASE Urban School Challenge Awards with Travelers --- 3rd Place High School - \$ 300 and Plaque, Medallion

Bridgeport Bridgeport Regional Aquaculture School Mr. Kirk P. Shadle

3040 LS Utilizing Piscivorous Birds as Low-Impact Primary Biological Indicators

Award m **Student(s)** Sophie Kay **Grade** 12 **Town** Fairfield

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
- Project Oceanology --- Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt
- Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum

Bridgeport Fairchild Wheeler Magnet High School Mr. Anthony

6060 PS Hydrogen Fuel Cells: How Electrode Material Affects Them

Award m **Student(s)** Graham Bonnell **Grade** 11 **Town** Southport

- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award



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Hartford Greater Hartford Academy of Math & Science Dr.Aramli
 3039 LS Zeolite Zaps Cancer Cells
Award m **Student(s)** Jacqueline Klepinger **Grade** 11 **Town** Wethersfield

- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$500 cash
- University of Connecticut Academic Excellence Scholarship --- Academic Excellence Scholarship - \$5000 a year for each of four academic years- \$20,000 total

Hartford Greater Hartford Academy of Math & Science Dr. Lili Aramli
 3077 LS Exploration into the Effects of Anti-PAR2 Antibody on the Expression of CUX-1 Related Metabolic Pathways and Apoptosis of Mouse Breast Cancer Cells
Award m **Student(s)** Leon Novak **Grade** 11 **Town** Rocky Hill

- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
- Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSEF

Hartford Greater Hartford Academy of Math & Science Dr. Aramli
 3128 LS The Effects of Pollution On the Regenerative Process of the Nematostella Organism
Award m **Student(s)** Bryan Tassavor **Grade** 11 **Town** Rocky Hill

- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$500 cash

New Haven Engineering & Science University Magnet School Heather Toothaker
 3124 LS The Optimization of Conditions for an Enzymatic Bio-Battery
Award m **Student(s)** Lauren Low **Grade** 10 **Town** Hamden

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
- Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award