



# 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

## EnergizeCT/CL&P/eesmarts Sustainable Resources & Practices Awards

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

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

### Middle School

**Plantsville** J.F. Kennedy Middle School Mrs.Pepin

2010 L7 "Pore" My Way to Cleaner Water: The use of flocculants and porous ceramic pots for purifying drinking water in developing countries

Award 1 Student(s) Matthew Maciejewski Grade 7 Town Plantsville

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences 7th grade- \$200 & trophy and Invitation to Compete Broadcom MASTERS
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- 1st Place Middle School - \$500 Cash and Trophy
- UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- Alexion Biotechnology Awards --- 1st Place- Biotechnology 7th grade- \$300 & trophy
- Ricoh Corporation/Society for Science & the Public --- Certificate, Lapel Pin,\$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
- The Children's Museum --- 1 family 4-Pack of Admission Passes to the Children's Museum
- Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$200 cash

**Stratford** St. Mark School Mr. Michael McMahon

5545 P8 Using Induced Wind Force to Increase the Efficiency of an Electric Vehicle Battery

Award 2 Student(s) Emily Fedor Grade 8 Town Derby

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences 8th Grade Ind.- \$300 & trophy, invite to compete Broadcom MASTERS
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- 2nd Place Middle School - \$300 Cash and Trophy
- Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- Society of Women Engineers - Hartford Section --- Scientific Calculator
- David and Torrey Fenton Awards --- For creative work in the physical sciences- middle school; \$200 cash

**Bozrah** Fields Memorial School Evelyn Brown

5502 P8 Water Filtration and Flocculation Methods

Award 3 Student(s) Rebecca Ramthun Grade 8 Town Bozrah

- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- 3rd Place Middle School - \$200 Cash and Trophy
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- Demos R Us Award --- \$150 Cash Award- Clear Execution of Research



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**Bethany** Amity Reg Middle School, Bethany Campus Kevin Berean

5504 P8 Green Energy Ferris Wheel

**Award** m **Student(s)** Isabel Salazar **Grade** 8 **Town** Woodbridge

- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

**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** m **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

**Greenwich** Central Middle School Ms. Bresler

5514 P8 Substitution of Metals in a Salt-Water Engine to Increase Energy-Efficiency

**Award** m **Student(s)** Bennett Hawley **Grade** 8 **Town** Cos Cob

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 5th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- Constellation - An Excelon Company --- For Excellence in clean renewable / sustainable energy - Grades 7 & 8
- IEEE, Connecticut Section --- \$100 Honorable Mention
- MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, middle school, \$100 cash award
- American Society for Metals - Hartford Chapter --- \$50 Check



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**Orange** Southern CT Hebrew Academy Karen Howell

4003 PT Analysis of Safer Electroplating Metals and Electrolyte solutions with their Environmental Impact

**Award** m **Student(s)** Meira Shleifer **Grade** 8 **Town** Waterbury  
 Zahava Klein **Grade** 8 **Town** New Haven

- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- American Society for Metals - Hartford Chapter --- \$100 Check
- TurnKey Compliance Solutions Environmental Awards --- \$300 Cash Award - For excellence in environmental sciences
- Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre

**Stratford** St. Mark School Mr. Michael McMahon

5560 P8 Energy Scavenging--Proving the Seebeck Effect with a Homemade Thermoelectric Generator: A Source of Free, Sustainable, Low-Voltage Power

**Award** m **Student(s)** Kristen Robertson **Grade** 8 **Town** Stratford

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences 8th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- Society of Women Engineers - Hartford Section --- Scientific Calculator

**Windsor** Madina Academy Mahmood Mohammed

4025 PT Installing a Wind-gust Turbine to generate energy to power highway lighting or to see the Power Grids.

**Award** m **Student(s)** Adelisa Cecunjanin **Grade** 8 **Town** Windsor  
 Alina Mohammed **Grade** 8 **Town** Windsor

- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
- Environmental Sciences Awards with CACIWC --- 2nd Place MS- \$200, Trophy, CACIWC gifts
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

**Windsor** Madina Academy Esslam Hassan

4008 PT Investigating Novel Methods to Harvest Solar Energy for Generation of Solar Steam from Salt Water and Snow Using Graphene and Carbon Foam

**Award** m **Student(s)** Maryam Moghul **Grade** 8 **Town** Bloomfield  
 Ibrahim Moghul **Grade** 7 **Town** Bloomfield

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
- Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- Energize CT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy