



Connecticut Science & Engineering Fair

Quinnipiac University

March 3 - 15, 2025

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

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

Future Sustainability Awards

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

Middle School

Enfield Chiaravalle Academy Tim Coleman

4019 PT Operating A Hydroponic System Using Rainwater

Award 1 Student(s) Zoha Shamsi Grade 8 Town Suffield
 Antonina Borodii Grade 8 Town Enfield

- * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- Middle Schools- \$100 / trophy
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- * EnergizeCT Future Sustainability Awards --- 1st Place Middle School - \$200 Cash and Trophy

Montville Puryear Homeschool Mary Puryear

5008 P7 How to Use Windows to Get the Optimal Air Flow in a Room

Award 2 Student(s) John Puryear Grade 7 Town Uncasville

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 5th Place- Physical Sciences 7th Grade Individual - trophy
- * EnergizeCT Future Sustainability Awards --- 2nd Place Middle School - \$150 Cash and Trophy

Danbury Westside Middle School Academy Nancy Barlow

4012 PT How does the Type and Brand of a Battery Affect how Much Voltage it Loses Over Time?

Award 3 Student(s) Logan Schneider Grade 7 Town Danbury
 Daniel Sposato Grade 7 Town Danbury

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 3rd Place Middle School - \$100 and Trophy, Medallion
- * EnergizeCT Future Sustainability Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- * The Community Foundation for Greater Hew Haven's Milton Fisher Awards for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash
- * Urban School Challenge 1st Place Middle School Awards --- USC Highest Placing 7th grader- Project Oceanology's Ocean Camp - \$900

Waterbury ACES at Chase Rachel Murray

5001 P7 What Materials Cause the Most Static Electricity to Light an Incandescent Light Bulb?

Award m Student(s) LaRaina Johnson Grade 7 Town Waterbury

- * EnergizeCT Alternative & Renewable Energy Awards --- Middle School Finalist - Medallion
- * EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- * Constellation Energy --- 2nd: \$50.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy
- * Bushnell Center for Performing Arts --- Pair of Tickets to Illuminate Dance - for top project involving technology and lights for Arts Applications, if possible



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High School

South Windsor South Windsor High School April Davis

6519 PST PFOAway: An Eco-Friendly, Affordable PFOA Absorbent & Degradation Tabletop Filtration Product

Award 1 Student(s) Akhil Shunmugaraja Grade 10 Town South Windsor
 Neelesh Sathish Grade 10 Town South Windsor

- * EnergizeCT Future Sustainability Awards --- 1st Place High School - \$300, Plaque & \$700 Stipend to Compete at GENIUS Olympiad
- * GENIUS Olympiad --- GENIUS Olympiad Competition for 1st Place HS Future Sustainability

Woodbridge Amity Regional High School Lindsay McCarthy

6076 PS Developing a Solar-Powered Water Purification Device Using Hybrid Nanomaterials for Atmospheric Water Harvesting and Filtration

Award 2 Student(s) Nikhil Petrov Grade 12 Town Woodbridge

- * EnergizeCT Future Sustainability Awards --- 2nd Place High School - \$200 Cash and Plaque
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition
- * U.S. Air Force --- Certificate & USAF Merchandise Package
- * GENIUS Olympiad --- GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project

South Windsor South Windsor High School Danel Eitel

6514 PST Waste to Watts

Award 3 Student(s) Rishi Murali Grade 10 Town South Windsor
 Gavin Lippi Grade 10 Town South Windsor
 Prahaladhan Rajarajan Grade 10 Town south windsor

- * EnergizeCT Alternative & Renewable Energy Awards --- 1st Place High School - \$300 Cash and Plaque
- * EnergizeCT Future Sustainability Awards --- 3rd Place High School - \$100 Cash and Plaque
- * Constellation Energy --- 2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy

Avon Avon High School Andrea Galuska

6088 PS Harnessing the Power of the Wind: A Comparative Analysis on HAWT, Savonius and Darrieus Wind Turbines and Their Efficiency

Award m Student(s) Nate Lee Grade 10 Town Avon

- * EnergizeCT Alternative & Renewable Energy Awards --- 3rd Place High School - \$100 Cash and Plaque
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * Wisner Chairman's Award --- \$500 cash & plaque

Bridgeport Fairchild Wheeler-Infotech Ricki Chiem

6524 PST Analyzing the Efficiency of Hydro-Electric Power

Award m Student(s) Ryan Salthouse Grade 10 Town stratford
 Keller Passaro Grade 11 Town stratford

- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion



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Enfield Academy of Computer Science & Engineering Melissa Gates

6005 PS Does solar wind impact the production of northern lights?

Award m **Student(s)** Mickiyah Smith **Grade** 9 **Town** Manchester

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Senior High Finalist - Medallion
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion

Greenwich Greenwich Country Day School Nathan Haag

6108 PS Effectiveness of a Smart Traffic Light Utilizing IoT Technologies for High School Campuses

Award m **Student(s)** Christian Suy Pineda **Grade** 11 **Town** Stamford

- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * MTU Aero Engines North America, Inc. --- MTU Aero Engines Mechanical Engineering Innovative Concept Award - \$250
- * J.A. Augustine and H. Glista Awards --- \$100 H. Glista Award for Physical Sciences

South Windsor South Windsor High School Danel Eitel

6501 PST Watt Box

Award m **Student(s)** Mason Smith **Grade** 10 **Town** South Windsor
 Prasun Modi **Grade** 10 **Town** South Windsor

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences Senior High Team- \$200 (split) & Plaques
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research, \$100 cash award