



Connecticut Science & Engineering Fair

Quinnipiac University

March 4 - 16, 2024

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

Mathematics Awards

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

Middle School

Trumbull Christian Heritage School Nicole Camacho

5505 P8 How do different substances affect how light is bent

Award **1** Student(s) **Joshua Joseph** Grade 8 Town Milford

* M&T Bank Mathematics Awards --- 1st Place Middle School- \$300 and Plaque

Bozrah Fields Memorial School Josh Fish

5513 P8 How will temperature affect the mass that a helium balloon can lift?

Award **2** Student(s) **Kallie Bitgood** Grade 8 Town Bozrah

- * M&T Bank Mathematics Awards --- 2nd Place Middle School- \$200 and Trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- Middle Schools- \$100 / trophy
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion

Shelton Shelton Intermediate School Erica McNeil

5018 P7 What kinds of cereals get soggy in milk?

Award **3** Student(s) **Sneh Shah** Grade 7 Town Shelton

* M&T Bank Mathematics Awards --- 3rd Place Middle School - \$100 and Trophy

High School

Greenwich Brunswick School Dana Montanez

6015 PS Inertial Navigation Control System: Use of Reaction Wheels as an in-flight Steering Mechanism for Rockets

Award **1** Student(s) **Thomas Armstrong** Grade 11 Town Greenwich

- * M&T Bank Mathematics Awards --- 1st Place High School- \$500 and Plaque
- * Yale Science & Engineering Association, Inc. --- 1 Certificate, Medallion and 1- \$25 gift card given by CSEF
- * U.S. Air Force --- Certificate & USAF Merchandise Package
- * American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate
- * Astronomical Society of Greater Hartford - The Charles Hammond Award for Excellence in Astronomy --- Senior Project-\$150, subscription to Sky and Telescope, ASGH membership and meeting invitation

Farmington Farmington High School Xiaodi Wang

3100 LS Optimizing the LSTM Deep Learning Model for Arctic Sea Ice Melting Prediction

Award **2** Student(s) **Victoria Pegkou Christofi** Grade 12 Town Unionville

- * Life Science Awards with support from Boehringer Ingelheim --- Finalist - Life Science Senior High - CSF Medallion
- * M&T Bank Mathematics Awards --- 2nd Place High School- \$300 and Plaque



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Greenwich Greenwich High School Andrew Bramante
 6019 PS Reinforcement Learning Optimization of Placement of Public Vehicle Charging Stations using a Novel Parking Demand Model

Award 3 **Student(s)** Marley Wies **Grade** 10 **Town** Old Greenwich

- * M&T Bank Mathematics Awards --- 3rd Place High School - \$200 and Plaque
- * Infosys Foundation Computer Science Awards --- 3rd Place High School- \$200, Plaque
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software, gift packs, & T-shirt - For Excellence in Mathematics

New Haven Hopkins School Phillip Stewart
 6055 PS Profit from stock pricing

Award m **Student(s)** Christina Cao **Grade** 11 **Town** Trumbull

- * M&T Bank Mathematics Awards --- High School Finalist - Medallion
- * University of Hartford Scholarships --- University of Hartford Scholarship - For Excellence in Science or mathematics, Grade 11 only - \$30,000 (\$7,500/year)

Wallingford Choate Rosemary Hall Jan Cook
 6051 PS Properties of Certain Quadrilaterals of Triangle Centers

Award m **Student(s)** Kay Yeon Lee **Grade** 11 **Town** Wallingford

- * M&T Bank Mathematics Awards --- High School Finalist - Medallion
- * Pepsico Engineering Awards --- 3rd Place- Engineering Senior High- \$200 & plaque
- * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software, , gift packs, & T-shirt - For Excellence in Mathematics
- * Susan and Stanley Lessoff Memorial --- Susan and StanleyLessoff Memorial Award - \$250 Cash and Plaque HS