



# Connecticut Science & Engineering Fair

## Quinnipiac University

March 2 - 14, 2026

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

## Applied Technology Awards

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

### Middle School

**Wilton** Middlebrook School Janica Bagosy

5519 L8 Smart Bandages for Dogs,

**Award** 1 **Student(s)** Owen O'Dea **Grade** 8 **Town** Wilton

\* Stanley Black & Decker Applied Technology Awards --- 1st Place Middle School - \$300 and Plaque, Medallion

**Bridgeport** Black Rock School Elizabeth Moran

5528 P8 Solar vs Battery Powered Car Performance

**Award** 2 **Student(s)** Robert Daley **Grade** 8 **Town** Bridgeport

- \* Stanley Black & Decker Applied Technology Awards --- 2nd Place Middle School - \$200 and Plaque, Medallion
- \* EnergizeCT Alternative & Renewable Energy Awards --- 2nd Place Middle School - \$150 Cash and Trophy
- \* IEEE, Connecticut Section --- \$100 Honorable Mention
- \* Society of Women Engineers - Hartford Section --- Scientific Calculator
- \* The Bob Erickson Memorial Innovation Awards --- \$200 Cash Award- Clear Execution of Research- 8th Grade

**Wilton** Middlebrook School Janica Bagosy

5525 P8 Smart Plant Care: Using Automation and AI

**Award** 3 **Student(s)** Pratap Sharma **Grade** 8 **Town** Wilton

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences 8th Grade Ind, - \$100 & trophy
- \* Stanley Black & Decker Applied Technology Awards --- 3rd Place Middle School - \$100 and Plaque, Medallion
- \* Infosys Foundation Computer Science Awards --- 3rd Place Middle School- \$100, Trophy
- \* Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion
- \* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by ONR

**Danbury** Westside Middle School Academy Nancy Barlow

1001 LT The Effect of Different Music Genres on Time it Takes Ants to Travel

**Award** m **Student(s)** Zahir Guaman **Grade** 8 **Town** Danbury  
 Jhon Ramirez **Grade** 8 **Town** Danbury  
 Frandell Olea **Grade** 8 **Town** Danbury

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences Middle School Team - CSF Medallion
- \* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 4th Place Middle School - Trophy, Medallion
- \* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion



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**Greenwich** Central Middle School Andrew Bramante

2503 L8 In situ, Natural Degradation of Cyanotoxins in Water by *L. acidiphilus*, with Concurrent Stimulation of the Aquatic Ecosystem

Award **m** Student(s) **Clarissa Maldonado** Grade 8 Town Greenwich

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences 8th grade- \$300 & trophy
- \* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- \* Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- \* Alexion Biotechnology Awards --- 1st Place Biotechnology 8th grade - \$300 & trophy
- \* Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF

**Greenwich** Eastern Middle School Andrew Bramante

5515 P8 Computer Simulation for School Traffic Optimization

Award **m** Student(s) **Ivyn Chen** Grade 8 Town Greenwich

- \* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- \* Infosys Foundation Computer Science Awards --- Middle School Finalist - Medallion
- \* Anonymous Friends of the Fair Family Awards --- 2nd place - \$150 - For Excellence in Engineering Middle School

**Greenwich** Eastern Middle School Andrew Bramante

2509 L8 Machine Learning-Based Analysis of Smartphone Behavioral Data for Detection of Depression in High School and College Students

Award **m** Student(s) **Srihari Mysore** Grade 8 Town Cos Cob

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences 8th grade - CSF Medallion
- \* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- \* Infosys Foundation Computer Science Awards --- Middle School Finalist - Medallion

**Wilton** Middlebrook School Nancy Wakeham

4012 PT Green Walls: The Power of Plant-Based Materials for Home Cooling

Award **m** Student(s) **Wesley Marley** Grade 7 Town Wilton  
**Arrin Suri** Grade 7 Town Wilton

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Jr Team - CSF Medallions
- \* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- \* Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- \* Alexion Biotechnology Awards --- 3rd Place Biotechnology 7th grade - \$100 & trophy

## High School

**Stamford** King School Victoria Schulman

6014 PS A Voice-Controlled Robotic Arm for Assisting Complex Surgical Tasks

Award **1** Student(s) **Dillon Maltese** Grade 12 Town Greenwich

- \* Stanley Black & Decker Applied Technology Awards --- 1st Place High School - \$500 and Plaque, Medallion



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**Wallingford** Choate Rosemary Hall George Gu

6111 PS NeuroMirror: An Intelligent EEG-Driven Mirror Therapy System Grounded in Hebbian Theory for Post-Stroke Upper-Limb Rehabilitation

Award 2 Student(s) Sabrina Liu Grade 10 Town Wallingford

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 5th Place- Physical Sciences Senior High Individual - Plaque
- \* Stanley Black & Decker Applied Technology Awards --- 2nd Place High School - \$300 and Plaque Medallion
- \* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR
- \* Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22

**Greenwich** Greenwich High School Andrew Bramante

3014 LS CD44-Targeted Nanoparticle Co-Delivery of Simvastatin and Colchicine for Localized Treatment of Atherosclerotic Plaque Inflammation in Cardiovascular Disease

Award 3 Student(s) Arnav Bhatia Grade 11 Town Old Greenwich

- \* Stanley Black & Decker Applied Technology Awards --- 3rd Place High School - \$ 200 and Plaque, Medallion
- \* Alexion Biotechnology Awards --- 4th Place Biotechnology Senior High - plaque

**Avon** Avon High School John Salerni

3085 LS Automated Detection of Pulmonary Nodules in Computed Tomography Scans Using Deep Learning to Reduce Radiologist Workload

Award m Student(s) Nathaniel Lee Grade 11 Town Avon

- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion

**Hamden** Hamden Hall Country Day School Alice Loth

6095 PS Innovated Emergency Vital Sign Detector

Award m Student(s) Rhea Hu Grade 10 Town North Haven

- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion
- \* Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion

**Montville** Saint Thomas More School Yajamana Ramu

3129 LS Towards Climate-Smart Agriculture: Decoding PP2C Gene Functions for Abiotic Stress Resilience in Maize

Award m Student(s) Ami Rastogi Grade 11 Town Monroe Township

- \* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- \* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion
- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion
- \* Marty Putnam Foundation Awards --- Top Project in Cell or Gene Therapy or Immunology, 2nd Place \$200



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**Norwich** Norwich Technical High School Kaitlin McKale

3010 LS Blue Oyster Cult(ure): Using Pleurotus for Mycoremediation of Water Contaminants

Award m Student(s) Debbie Calixto Mota Grade 11 Town Willimantic

- \* EnergizeCT Technical High School Science & Technology Awards --- 2nd Place- Technical High School , \$200, Plaque
- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion
- \* EnergizeCT Alternative & Renewable Energy Awards --- High School Finalist - Medallion
- \* University of New Haven 4 Year Scholarship for Exemplary 11th Grade Project, \$120,000 (\$30,000/year)

**Watertown** The Taft School Amanda Benedict

6070 PS A Novel Equestrian Virtual Reality-Based Coordination Rehabilitation System for Post-Stroke Motor Recovery

Award m Student(s) Mily Xue Grade 10 Town Watertown

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion
- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion
- \* Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- \* Anonymous Friends of the Fair Family Awards --- 2nd place - \$150 - For Excellence in Engineering High School

**Westport** Staples High School Amy Parent

6023 PS Optimizing Fin Design for a Mars-Launched Rocket Using Open-Source Simulation

Award m Student(s) Anit Arvind Grade 11 Town Westport

- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion

**Windsor** Academy of Aerospace & Engineering Lili Aramli

6107 PS Next-Generation Interplanetary Rovers: Embedded Neuromorphic Artificial Intelligence Control For Autonomous & Adaptive Terrain Exploration

Award m Student(s) Rithvik Suren Grade 10 Town Ellington

- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion