



Connecticut Science & Engineering Fair

Quinnipiac University

March 2 - 14, 2026

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Final Judging Results

Award Legend

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

Engineering Awards

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

Middle School

Danbury Westside Middle School Academy Nancy Barlow

4009 PT What is the Affect of Wing Design on the Speed a Model Plane Flies?

Award 1	Student(s) Shihan Lin	Grade 8	Town Danbury
	Isabella Amenta	Grade 8	Town Danbury
	Ally Kay	Grade 8	Town Danbury

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences MS Team- trophies
- * Connecticut Science Fair Association Mathematics Awards --- Middle School Finalist - Medallion
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 3rd Place Middle School - \$100 and Trophy, Medallion
- * Pepsico Engineering Awards --- 1st Place- Engineering Middle School- \$200 & trophy
- * Robert Francoeur Memorial Awards --- Creative or innovative project in engineering, computer science or mathematics by female students - \$100

Greenwich Central Middle School Andrew Bramante

2508 L8 Investigating the Inclusion of Hair Extracted Keratin Nanostructures for Increased Strength and Flexibility for the Construction of an Artificial Anterior Cruciate Ligament

Award 2 **Student(s)** Juliette Prezioso **Grade** 8 **Town** Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences 8th grade- \$100 & trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- Middle School- \$150 / trophy
- * Pfizer Computational Biology and Bioinformatics Awards --- 2nd Place Middle School - \$200, Trophy
- * Pepsico Engineering Awards --- 2nd Place- Engineering MS- \$150 & trophy
- * Alexion Biotechnology Awards --- 4th Place Biotechnology 8th grade- trophy

Greenwich Western Middle School Andrew Bramante

5526 P8 Comparative analysis of CO2 Reduction by Common Houseplants Using an Arduino-Based Environmental Monitoring System

Award 3 **Student(s)** Victoria Shkabarnya **Grade** 8 **Town** Greenwich, CT

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences 8th Grade Ind. - \$150 & trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Pepsico Engineering Awards --- 3rd Place- Engineering MS \$100 & trophy
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Robert Francoeur Memorial Awards --- Creative or innovative project in engineering, computer science or mathematics by female students - \$100
- * Zepke Awards --- \$120 - For the Best Use of Electronic Circuitry- Middle School



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Bridgeport John Winthrop School Srilakshmi Kongani

5510 P8 Insulation Investigation

Award m **Student(s)** Lavinya Baence **Grade 8** **Town** Bridgeport

- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by ONR
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Anonymous Friends of the Fair Family Awards --- 3rd place - \$100 - For Excellence in Engineering Middle School

Danbury Westside Middle School Academy Nancy Barlow

4013 PT The Effect of Electrolyte Concentration on the Voltage Produced by a Baghdad Battery

Award m **Student(s)** Logan Schneider **Grade 8** **Town** Danbury
 Daniel Sposato **Grade 8** **Town** Danbury

- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion

Greenwich Central Middle School Andrew Bramante

5502 P8 Repurposing Carbon Combustion Residuals from a Landfill Waste to a Beneficial Soil Additive

Award m **Student(s)** Morgan Schwartzstein **Grade 8** **Town** Greenwich

- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Alexion Biotechnology Awards --- 5th Place Biotechnology 8th grade- trophy

Greenwich Eastern Middle School Andrew Bramante

5506 P8 OASIS: A Solar-Powered Off-Grid System for Harvesting Water from Subsurface Sand Moisture to Support Desert Vegetation Recovery

Award m **Student(s)** Jiahao Luo **Grade 8** **Town** Greenwich

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences 8th Grade Ind. - trophy
- * EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Alexion Biotechnology Awards --- 2nd Place Biotechnology 8th grade - \$200 & trophy
- * Lemelson Early Inventor Award --- Certificate & \$100 cash award from Lemelson Foundation
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22

Greenwich Sacred Heart Greenwich Mary Musolino

4014 PT Purifying Water using Different Types of Graphene to Adsorb Harmful Pollutants

Award m **Student(s)** Adriana Hassani-Sadi **Grade 8** **Town** Old Greenwich
 Malaika Bazie **Grade 8** **Town** White Plains

- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Aquarion Water Company --- 2nd. \$150.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management



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Greenwich Western Middle School Andrew Bramante

5505 P8 Creating a Crab Trap That Uses Computer Vision To Detect and Capture the Invasive European Green Crab

Award **m** Student(s) **Laila McQueen** Grade 8 Town **Greenwich**

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences 8th Grade Ind.- \$200 & trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- Middle School \$200 / trophy
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 2nd Place MS- \$150, Trophy
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * National Center for Inquiry Learning --- Daniel & Maggie Award for Imagination - MS \$100
- * Jon Stone Memorial Awards --- Jon Stone Award for Innovative Engineering- \$100
- * Quinnipiac University 4 Year Scholarship in Engineering \$30,000 (\$7500/year)

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

Wilton Middlebrook School Leah Pariso

4002 PT Dual Axis Automatic Solar Tracker

Award **m** Student(s) **Aarya Patel** Grade 7 Town **Wilton**
Aaryan Patel Grade 7 Town **Wilton**

- * EnergizeCT Alternative & Renewable Energy Awards --- 1st Place Middle School - \$200 Cash and Trophy
- * EnergizeCT Future Sustainability Awards --- 2nd Place Middle School - \$150 Cash and Trophy
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, middle school, \$100 cash award
- * Jon Chapis Memorial Award --- Jon Chapis Spirit of Innovation Award - MS \$100
- * Dreams Unlimited Award --- \$150 cash award and certificate



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High School

South Windsor South Windsor High School Minatchy Visvanathan

6061 PS DOTBot: Diffusion-Aligned Chain-of-Thought Bipedal Humanoid Robot for Interpretable Real-Time Autonomous Navigation, Hazard Mitigation, and Recovery in High-Risk Built Environments

Award 1 Student(s) Karthik Srikumar Grade 11 Town South Windsor

- * Infosys Foundation Computer Science Awards --- 1st Place High School - \$300, Plaque
- * Pepsico Engineering Awards --- 1st Place- Engineering Senior High- \$300 & plaque and trip to ISEF
- * Yale Science & Engineering Association, Inc. --- 1 Certificate, Medallion and 1- \$25 gift card given by CSEF
- * MTU Aero Engines North America, Inc. --- MTU Aero Engines Mechanical Engineering Innovative Concept Award - \$250
- * MTU Aero Engines North America, Inc. --- MTU Aero Engines Mechanical Engineering Applied Principles Award - \$250
- * Lunch with a Patent Attorney --- Lunch with a Patent Attorney

Darien Darien High School David Lewis

6085 PS Functionalizing DNA Nanotechnology: Optimizing the Impact of Buffer Conditions on Chemical Ligation

Award 2 Student(s) Claire Chan Grade 12 Town Darien

- * Pepsico Engineering Awards --- 2nd Place- Engineering Senior High- \$200 & plaque
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR

Cheshire Cheshire High School Julie Barker

6030 PS Towards Faster Materials Simulation: GPU-Optimized Neural Networks for Interatomic Potentials

Award 3 Student(s) Raine Ma Grade 11 Town Cheshire

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences Senior High Individual - \$150 & Plaque
- * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- * Pepsico Engineering Awards --- 3rd Place- Engineering Senior High- \$100 & plaque
- * Anonymous Friends of the Fair Family Awards --- 1st place - \$250 - For Excellence in Engineering High School
- * Quinnipiac University 4 Year Scholarship in Computing \$30,000 (\$7500/year)

Glastonbury Glastonbury High School Stephen Falcigno

6079 PS OPTIMIZATION FEASIBILITY ANALYSIS OF COMPLIANT MECHANISM REPLACEMENTS OF HYDRAULICS IN PENDULUM TUNED MASS DAMPERS

Award m Student(s) Diego Aguilar Grade 12 Town South Glastonbury

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences Senior High Individual - Plaque
- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF
- * Anonymous Friends of the Fair Family Awards --- 3rd place - \$100 - For Excellence in Engineering High School



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Greenwich Greenwich High School Andrew Bramante

6019 PS Harvesting Energy using Rain: Self-Healing Triboelectric Nanogenerators using CNT Composite Paper to Produce Meaningful Energy Production

Award **m** Student(s) **Richard Lu** Grade 9 Town Greenwich

- * EnergizeCT Future Sustainability Awards --- 1st Place High School - \$300, Plaque & \$700 Stipend to Compete at GENIUS Olympiad
- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF 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

Kent Kent School Jesse Klingebiel

6092 PS Modular Development of a Pneumatic Lumbar Exoskeleton for Assisting Stoop Lifting

Award **m** Student(s) **Yu Tung Shan** Grade 10 Town Kent

- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Wisner Chairman's Award --- \$500 cash & plaque

Kent Kent School Jesse klingeibel

6098 PS Assessment of Walking Ability in Parkinson's Patients Using Three-Dimensional Plantar Pressure Sensors

Award **m** Student(s) **Tianrui Zhang** Grade 11 Town Kent

- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Quinnipiac University 4 Year Scholarship in Engineering \$30,000 (\$7500/year)

South Windsor South Windsor High School Danel Eitel

3518 LST Cyanopanel

Award **m** Student(s) **Diva Shajith** Grade 10 Town South Windsor
Amariah Ysabelle Luci Grade 10 Town South Windsor
Sahasra Natti Grade 10 Town South Windsor

- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * CT Architecture Foundation - The William M. Mack, AIA Awards --- \$250 Amazon Gift Ccard from the Connecticut Architecture Foundation, William M. Mack, AIA Award for Innovation in Building Sustainability.
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related



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Trumbull Trumbull Agriscience & Biotechnology Kevin Boken

6056 PS Development of a Multi-Axis Adaptive Inertia Regulation Exoskeleton System: A Counter-Rotational Gyroframe for Stabilization and Energy Efficiency

Award **m** Student(s) **Johnathon Lin** Grade 10 Town Bridgeport

- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF
- * Electric Boat Management Association Science and Engineering Research Awards --- Top Prize in Nuclear Energy - \$100 Cash for top project that has innovative nuclear applications

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 Greens Farms Academy Mathieu Freeman

6109 PS Open Alert: A Novel Alert System For School Safety

Award **m** Student(s) **Benjamin Kiev** Grade 9 Town Westport

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion
- * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22

Wilton Wilton High School Nomita Ramchandani

6026 PS OleoFoam: A Magnetically Controlled Oleophilic Foam for Targeted Oil Absorption

Award **m** Student(s) **Arav Gupta** Grade 10 Town Wilton

- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * J.A. Augustine and H. Glista Awards --- \$100 for excellence in Physical Sciences