



# 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

## Petit Family Foundation Women in Science & Engineering Awards

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

### Middle School

**Greenwich** Greenwich Academy Katie Hertzmark

1001 LT Microplastics in Oysters

**Award** 1 **Student(s)** Addison Garner  
Arabella Miller

**Grade 7 Town** Greenwich

**Grade 7 Town** Greenwich

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences MS Team- \$100 split & trophies
- \* 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 --- 3rd Place MS- \$100, Trophy

**Danbury** Westside Middle School Academy Nancy Barlow

5528 P8 The Benefit of A Coded Device To Water Plants Automatically

**Award** 2 **Student(s)** Mackenzie Cooper

**Grade 8 Town** Danbury

- \* Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- Middle School- \$150 / trophy
- \* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 1st Place Middle School - \$200 and Trophy, Medallion
- \* Infosys Foundation Computer Science Awards --- 2nd Place Middle School - \$150, 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 Meeting
- \* Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- \* GENIUS Olympiad --- GENIUS Olympiad Competition for Highest Placing USC 8th grade Project

**Enfield** Chiaravalle Academy Tim Coleman

4019 PT Operating A Hydroponic System Using Rainwater

**Award** 3 **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

**Bozrah** Fields Memorial School Joshua Fish

4016 PT A Study of the Impact of Slope, Materials, and Lubrication on Friction.

**Award** m **Student(s)** Elise Kobelski

**Grade 8 Town** Bozrah

Hannah East

**Grade 8 Town** Bozrah

Serena BunkerCai

**Grade 8 Town** Bozrah

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences MS Team- trophies
- \* Connecticut Science Fair Association Mathematics Awards --- 2nd Place Middle School- \$150 and Trophy
- \* Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- \* Connecticut College-Physics, Astronomy, & Geophysics Dept. --- Junior Award: Certificate, \$100 Cash
- \* J.A. Augustine and H. Glista Awards --- \$100 for excellence in Physical Sciences
- \* Susan and Stanley Lessoff Memorial --- Susan and Stanley Lessoff Memorial Award - \$250 Cash and Plaque MS



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**Bozrah** Fields Memorial School Joshua fish

1025 LT A study of the efficiency of ice melt substances and their environmental impact on roadside vegetation

Award m

Student(s) Analise Williams

Grade 7 Town bozrah

Ella Sikorski

Grade 7 Town Bozrah

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences Middle School Team - CSF Medallion
- \* Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- \* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion
- \* Alexion Biotechnology Awards --- 5th Place Biotechnology 7th grade - trophy
- \* Association for Women Geoscientists --- Certificate & \$25 gift card given by CSEF
- \* Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- \* American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 7-8 project
- \* Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash

## High School

**Woodbridge** Amity Regional High School Sarah Reeves

3136 LS Development of a Solar-Powered Floating Phytoremediation Device to Filter Methyl Red Dye Utilizing a Rotating Inner Disk for Enhanced Water Circulation

Award 1

Student(s) Youlmin Lee

Grade 12 Town Woodbridge

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- \* Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- High School \$300 / plaque

**Wallingford** Choate Rosemary Hall Shiyao Gu

6086 PS A Novel Fishbone-Shaped Smart Glove for Stroke Patients

Award 2

Student(s) Jingyan Liu

Grade 9 Town Shanghai

- \* Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place High School \$200 / plaque
- \* Stanley Black & Decker Applied Technology Awards --- 3rd Place High School - \$ 100 and Plaque, Medallion
- \* Jon Chapitis Memorial Award --- Jon Chapitis Spirit of Innovation Award - HS \$200
- \* Biophysical Society --- Biophysics Award- \$100

**New Haven** Sound School Chuck Mulligan

3042 LS Evaluation of Potential Filtration Enhancements Applied to Municipal Water: Assessing Potential Ways to Reduce Enterococcus Bacteria Levels Discharging From Wastewater Facilities

Award 3

Student(s) Britney Xochipiltcatl Cuahtepitz

Grade 12 Town New Haven

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- \* Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- High School- \$100 / plaque
- \* Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition



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**Farmington** Farmington High School Alexandra Raymunt

6075 PS Soil Nutrient Tester with Rotating Strip Holder for Multi-Day Analysis

**Award** m **Student(s)** Jiayi Liu **Grade** 12 **Town** Farmington

\* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion

**Watertown** Taft School Amanda Benedict

3105 LS Biomimetic Filtration: Applying the Voronoi Pattern of Sea Urchin Shells to Remove Lead from

**Award** m **Student(s)** Dongeun Rhee **Grade** 9 **Town** Watertown

\* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion

\* National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEF

\* Aquarion Water Company --- 2nd. \$250.00 Cash - Grade 9-12 For Excellence in Water Quality or Environmental Management

**Windsor** Academy of Aerospace & Engineering Thomas Brown

6096 PS Investigating Aerodynamic In Shapes of Drone: How will it affect the speed, efficiency, and drag?

**Award** m **Student(s)** Aulona Misini **Grade** 12 **Town** Hartford

\* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion

\* IEEE William R. Wessman Awards --- \$100 Honorable Mention