



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

Women in Science & Engineering Awards

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

Middle School

Shelton Shelton Intermediate School Erica McNeil

5001 P7 Shot Power

Award 1 **Student(s)** Brooke Plain **Grade** 7 **Town** Shelton

* Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- Middle School \$300 / trophy

Manchester Saint James School Ellen Oei

5007 P7 Affect of Color on Heat Absorption

Award 2 **Student(s)** Saanvi Sethi **Grade** 7 **Town** Manchester

- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- Middle School- \$200 / trophy
- * Alexion Biotechnology Awards --- 5th Place Biotechnology 7th grade - trophy
- * Connecticut College-Physics, Astronomy, & Geophysics Dept. --- Junior Award: Certificate, \$100 Cash
- * J.A. Augustine and H. Glista Awards --- \$100 for excellence in Physical Sciences

Bozrah Fields Memorial School Josh Fish

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

Award 3 **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

Bristol St. Matthew School Danielle Persichetti

5004 P7 Which Drink Has the Most Electrolytes?

Award m **Student(s)** Lily Chou **Grade** 7 **Town** Bristol

- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Robert Francoeur Memorial Awards --- Creative or innovative project in engineering, computer science or mathematics by female students - \$100

Trumbull Christian Heritage School Nicole Camacho

2517 L8 Do Storm drains keep trash out of water ways?

Award m **Student(s)** Juliette Schwartz **Grade** 8 **Town** Shelton

- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEF
- * Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash



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Waterbury ACES at Chase Lisa Debany

2005 L7 Reducing Lycorma delicatula, Lantern Fly, Infestation: Using Essential Oils to Address Crop Damage and Food Shortages.

Award **m** Student(s) **Besjana Veliu** Grade 7 Town Waterbury

- * Life Science Awards with support from Boehringer Ingelheim --- 1st Place- Life Sciences 7th grade- \$300 & trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Alexion Biotechnology Awards --- 4th Place Biotechnology 7th grade - trophy
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners

High School

Norwich Norwich Technical High School Suzanne Edwards

6066 PS A Mathematical Analysis of the Variables Impacting the Performance of Wind Turbines as the Energy Converts from Kinetic to Mechanical to Electrical

Award **1** Student(s) **Leah Kozerefski** Grade 9 Town Gilman

- * EnergizeCT Technical High School Science & Technology Awards --- Technical High School Finalist - medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- High School \$500 / plaque
- * EnergizeCT Alternative & Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Plaque
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * U.S. Air Force --- Certificate & USAF Merchandise Package
- * Society of Women Engineers - Hartford Section --- Scientific Calculator

Farmington Miss Porter's School Christine Scanlon

3105 LS Testing Prevalence of Bacteria Resistant to Tetracycline, Sulfamethoxazole, and Chloramphenicol Antibiotics in Hotspot Connecticut Environments

Award **2** Student(s) **Sophia Pidvysotski** Grade 12 Town Hartford

- * Life Science Awards with support from Boehringer Ingelheim --- Finalist - Life Science Senior High - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place High School \$300 / plaque

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

3027 LS Using an Experimental Algorithm to Detect Stress in Homarus americanus in Aquaculture

Award **3** Student(s) **Eden Cunningham** Grade 12 Town Southport

- * Life Science Awards with support from Boehringer Ingelheim --- Finalist - Life Science Senior High - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- High School- \$200 / plaque

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

3015 LS Non-Thermal Induction of Heat Shock Protein 90 to Mitigate Early Oncogenesis With Preserved HSR

Award **m** Student(s) **Chloe Atkins** Grade 12 Town Stratford

- * Life Science Awards with support from Boehringer Ingelheim --- Finalist - Life Science Senior High - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- * The Jackson Laboratory with Connecticut Academy of Science and Engineering Urban School Challenge Awards --- Senior High Finalist - Medallion
- * University of Connecticut - Early College Experience --- UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate



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Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3134 LS Acoustic Noise Pollution Affecting Reproduction, Communication, and Behavior of Brine Shrimp
Award m **Student(s)** Anne Taylor **Grade** 12 **Town** Fairfield

- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- * Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion
- * Environmental Sciences Awards with Connecticut Association of Conservation and Inland Wetlands Commissions --- HS Finalist - CSF Medallion
- * Bushnell Center for Performing Arts --- Pair of Tickets to Illuminate Dance - for top project involving technology and lights for Arts Applications, if possible

Windsor Academy of Aerospace and Engineering Michelle Bellinger
 6028 PS Investigations into the Link Between the Water Quality and Social Inequity.
Award m **Student(s)** Constanza Barria Lopez **Grade** 10 **Town** Hartford

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

Woodbridge Amity Regional High School Catherine Piscitelli
 3133 LS Determining the Effects of Moisture Content in Artificial Diet on the Survival, Growth, Development, and Pupation of Anoplophora glabripennis
Award m **Student(s)** Sabrina Osowiecki **Grade** 11 **Town** Orange

- * Life Science Awards with support from Boehringer Ingelheim --- Finalist - Life Science Senior High - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion