



Connecticut Science & Engineering Fair

Quinnipiac University

March 9 - 14, 2020

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

Final Judging Results

Petit Family Foundation Women in Science & Engineering Awards

Award Legend
 Trophy Winners = 1, 2, ...
 Medalists = m
 Winners = w

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

Middle School

2515 L8 The Effect of Habitat Loss on a Cockroaches Stress and Well Being

Award 1 Student(s) Kaitlyn Salvatore Grade 8 Town Danbury

- * PepsiCo / Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 8th grade- \$200 & trophy and Invite to Compete Broadcom MASTERS
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- Middle School \$300 / trophy
- * CASE • The Jackson Laboratory Urban School Challenge Awards with IBM --- 3rd Place Middle School - \$100 and Trophy, Medallion
- * Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade- \$300 & trophy and Invitation Compete in Broadcom MASTERS

5521 P8 The Power of a Wind Turbine

Award 2 Student(s) Felicia Silva Grade 8 Town Bozrah

- * Mathematics Awards - with ATOMIC --- 1st Place Middle School- \$150 from ATOMIC, and Trophy, \$300 from People's United Bank
- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- Middle School- \$200 / trophy
- * Collins Aerospace Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF
- * Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash
- * Robert Francoeur Memorial Award --- Creative or innovative project in engineering or computer science by female students - \$200

5007 P7 Dampening, Quantifying, and Recording Tremor

Award 3 Student(s) Ariana Pourkavoos Grade 7 Town Avon

- * Lockheed Martin Physical Sciences Awards --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- Middle Schools- \$100 / trophy
- * Alexion Biotechnology Awards --- 2nd Place- Biotechnology 7th grade- \$200 & trophy and Invitation Compete in Broadcom MASTERS
- * Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash
- * Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School, Physical Sciences
- * John S. Kendall Memorial Awards --- \$300 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School

5538 P8 Designing an Automatic Watering Device using an Arduino

Award m Student(s) Shriya Jonnalagadda Grade 8 Town Danbury

- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Robert Francoeur Memorial Award --- Creative or innovative project in engineering or computer science by female students - \$200



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1017 LT Fending off the Fast Fade of Flowers: What solution will keep YOUR flowers happy?
 Award m Student(s) Sophia Zhang Grade 8 Town New Haven
 Keren Tan Grade 8 Town New Haven

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

5545 P8 PH Testing of River, Tap, Well and Bottled Water
 Award m Student(s) Jade Deus Grade 8 Town Shelton

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

High School

6021 PS Utilizing a Graphene Oxide/Copper and Reflective Aluminum Design to Improve Heating/Cooling Efficiency
 Award 1 Student(s) Tageria Davis Grade 12 Town Bridgeport

* Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- High School \$500 / plaque

3045 LS Determining the Efficacy of Dexamethasone Infused Polypropylene Mesh to Prevent Post Surgical Abdominal Adhesion
 Award 2 Student(s) Jordan Macdonald Grade 12 Town Milford

* Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place High School \$250 / plaque
 * Future Sustainability Awards --- 3rd Place High School - \$200 Cash and Plaque
 * Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences

3063 LS Testing Natural and Synthetic Substances for Oil Spill Cleanup
 Award 3 Student(s) Zoe Kassapidis Grade 12 Town Greenwich

* Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- High School- \$150 / plaque
 * Future Sustainability Awards --- 2nd Place High School - \$300 Cash and Plaque
 * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition

3520 LST The Effects of Alternating Red Wiggler Worms Gut Microbes to Degrade Lignin in Plants for Biofuels
 Award m Student(s) Jessie Adams Grade 11 Town Killingly
 Ontasia Perry Grade 11 Town Norwicon

* PepsiCo / Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion
 * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
 * The Goodwin-Niering Center for the Environment --- \$100 for "Excellence in Environmental Conservation Studies"



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3044 LS Production of Biodegradable, Sustainable Plastic from Food Waste through the Polymerization of Lactic Acid
 Award m Student(s) Andrea Piraneque Grade 11 Town Trumbull

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

6016 PS Optimization of Energy Storage of Capacitors with Hydrogel Electrolyte
 Award m Student(s) Emily Ngo Grade 12 Town South Windsor

* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
 * CASE • The Jackson Laboratory Urban School Challenge Awards with IBM --- Senior High Finalist - Medallion
 * Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences