



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

Alternative/Renewable Energy Awards

Award Legend

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

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

Middle School

4011	PT	Vibration Voltage			
Award	1	Student(s)	Grade	Town	
		William Carragher	Grade 8	Town	Stamford
		Christian Sorbera	Grade 8	Town	Greenwich
		Sydney Dettmer	Grade 8	Town	Stamford

* Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy

5526	P8	Harvesting Energy From Rainwater With An Archimedean Screw.			
Award	2	Student(s)	Grade	Town	
		Ronak Ramesh	Grade 8	Town	Middletown

- * CASE • The Jackson Laboratory Urban School Challenge Awards with IBM --- 5th Place Middle School - Trophy, Medallion
- * Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * Constellation, an Exelon Company --- 1st: \$100.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy
- * Connecticut Science Supervisors Association --- \$125 for a middle school project
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2

5513	P8	Producing Renewable Energy With Rainwater Gutter Systems Using Micro Hydro-Turbines			
Award	3	Student(s)	Grade	Town	
		Elle Okoney	Grade 8	Town	BOZRAH

- * Lockheed Martin Physical Sciences Awards --- 4th Place- Physical Sciences 8th Grade Ind. - trophy and Invitation Compete in Broadcom MASTERS
- * Applied Technology Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion
- * Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- * Collins Aerospace Engineering Awards --- 2nd Place- Engineering MS- \$200 & trophy and Invitation Compete in Broadcom MASTERS
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * CT Architecture Foundation - The William M. Mack, AIA Award --- \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.
- * IEEE, Connecticut Section --- \$250 Honors Award -Junior
- * J.A. Augustine Award --- \$100 for excellence in physical sciences
- * Kathleen & David Smith Awards --- Kathleen & David Smith Award for Innovative Concept - \$100
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2



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High School

6030 PS Increasing the efficiency of a household methane gas recovery system as a reliable energy source in rural Guatemala
 Award 1 Student(s) Jina Lee Grade 10 Town Suffield

* Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Plaque

3101 LS Using Pure and Copper-doped Zeolite Catalysts to Degrade Lignin Polymers into Biofuel
 Award 2 Student(s) Raymond Lu Grade 12 Town Orange

* Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 Cash and Plaque

6103 PS Utilization of Piezoelectric Elements for Power Generation on Wave-Impacted Shorelines within modifications of Breakwater Design.
 Award 3 Student(s) Ethan Pernek Grade 12 Town Stratford

* Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Plaque
 * Collins Aerospace Engineering Awards --- Finalist - Engineering High School - CSF Medallion