



# Connecticut Science & Engineering Fair

## Quinnipiac University

March 14 - 18, 2017

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

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

## EnergizeCT/UI/eesmarts Alternative/Renewable Energy Awards

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

### Middle School

**Trumbull** Christian Heritage School Theresa Miller

5555 P8 The fabrication and testing of various fruit juice dye-sensitized solar cells with the addition of preservatives

Award 1 Student(s) Rachel Brooks Grade 8 Town Trumbull

- \* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy
- \* United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- \* Alexion Biotechnology Awards --- 3rd Place- Biotechnology 8th grade- \$200 & trophy and Invitation Compete in Broadcom MASTERS
- \* MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, middle school, \$100 cash award
- \* Demos R Us Award --- \$150 Cash Award- Clear Execution of Research

**Bethany** Amity Reg Middle School - Bethany Campus Mr. Kevin Berean

4021 PT The Energy Band

Award 2 Student(s) Kabir Khwaja Grade 8 Town Woodbridge  
 Samuel Green Grade 8 Town Bethany

- \* Pepsico Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion
- \* Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy

**Bethany** Amity Reg Middle School - Bethany Campus Kevin Berean

4004 PT Water Turbine

Award 3 Student(s) Christopher Hill Grade 8 Town Woodbridge  
 Benjamin Lee Grade 8 Town Woodbridge

- \* Pepsico Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- \* UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering 8th grade - CSF Medallion
- \* Dreams Unlimited Award --- \$200 Cash Award + Certificate

**Bethel** St. Mary School Kate McDonald

5506 P8 Solar Cells

Award m Student(s) Grace Garvey Grade 8 Town Bethel

- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion

**Bridgeport** Multicultural Magnet School Ms. Ciuflea

5032 P7 Natural Power

Award m Student(s) John Paul Atehortua Grade 7 Town Bridgeport

- \* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion
- \* U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate



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 [Proj#] [FCat] [Project Title]

**Danbury** St. Gregory the Great School Mrs.Christine Fahey

5003 P7 Wind Energy? I'm a Big Fan!

**Award** m **Student(s)** Anna Flaherty **Grade 7** **Town** New Fairfield

- \* Pepsico Physical Sciences Awards --- 2nd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion
- \* Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque

**Greenwich** Greenwich Catholic School Carol Lutz

5002 P7 Mass Maglev Manufacturing

**Award** m **Student(s)** Patrick McHugh **Grade 7** **Town** Stamford

- \* Pepsico Physical Sciences Awards --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion

### High School

**Greenwich** Greenwich High School Andrew Bramante

6010 PS Novel Low-Temperature Carbon Capture Using Aqueous Ammonia and Organic Solvents

**Award** 1 **Student(s)** Ethan Novek **Grade 12** **Town** Greenwich

- \* Pepsico Physical Sciences Awards --- 1st Place - Physical Sciences Senior High Individual - \$500 & Plaque, trip to compete at Intel ISEF
- \* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Plaque, compete at GENIUS Olympiad
- \* United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- \* H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Physical Sciences 1st HS \$1,000, Solid Silver Medal of Excellence, invite to CASE Annual Mtg
- \* ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2018 Sustainability Solutions Festival and \$25 Gift Card
- \* MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, high school, \$100 cash award

**Greenwich** Greenwich High School Mr. Andrew Bramante

6033 PS A Novel N-Doped Carbon Nanotube/Copper Electrode for the Reduction of CO2 to Biofuel

**Award** 2 **Student(s)** Michelle Woo **Grade 11** **Town** Riverside

- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 Cash and Plaque,
- \* UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion
- \* The Connecticut Technology Council Young Woman Innovation Award --- \$150 Cash Award for Technological Innovation
- \* GENIUS Olympiad --- GENIUS Olympiad Competition for 2nd Place HS Alternative/Renewable Energy Project



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[Proj#] [FCat] [Project Title]

<b>Windsor</b>	Madina Academy	Saqib Chariwala			
6516	PST	Converting Grass into Cellulosic Ethanol to Generate Energy as a Heating System			
<b>Award</b>	<b>3</b>	<b>Student(s)</b>	<b>Grade</b>	<b>Town</b>	
		Radeyah Ahmed	10	Bloomfield	
		Jareen Choudhury	11	Bloomfield	

- \* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Plaque
- \* University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Energy & Transportation

<b>Canton</b>	Canton High School	Stephen Riley			
6100	PS	A Closer Look At Petroleum: Our World's Energy			
<b>Award</b>	<b>m</b>	<b>Student(s)</b>	<b>Grade</b>	<b>Town</b>	
		Gabriel Ortiz	12	Canton	

\* Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion

<b>Shelton</b>	Shelton High School	Mrs. McNamara			
6042	PS	Cheap Heat			
<b>Award</b>	<b>m</b>	<b>Student(s)</b>	<b>Grade</b>	<b>Town</b>	
		Gregorio Corsale	12	Derby	

\* Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion  
\* Energize CT/eesmarts Future Sustainability Awards --- 3rd Place High School - \$200 Cash and Plaque

<b>Shelton</b>	Shelton High School	Christine McNamara			
6064	PS	An Engineering Approach to Developing Sustainable Technology: Piezoelectric-Powered Shoe Inserts			
<b>Award</b>	<b>m</b>	<b>Student(s)</b>	<b>Grade</b>	<b>Town</b>	
		Lauren Pawlowski	11	Shelton	

\* Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion

<b>Windsor</b>	Academy of Aerospace and Engineering	Dr. Bellinger			
6523	PST	Effect of Aerodynamic Leaf Design on Electrical Power Generation via a Network of Vertically Aligned Micro Wind Turbines.			
<b>Award</b>	<b>m</b>	<b>Student(s)</b>	<b>Grade</b>	<b>Town</b>	
		Chris Rinaldi	10	Enfield	
		Vishakh Talanki	10	south windsor	
		Jean Pasato	10	Middletown	

- \* Pepsico Physical Sciences Awards --- 1st Place- Physical Sciences Senior High Team- \$500 (split) & Plaque
- \* People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion
- \* CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Senior High Finalist - Medallion
- \* Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion