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**Final Judging Results**

**Award Legend**

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

**Future Sustainability Awards**

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

**Middle School**

2515 L8 The RightSwitch: An Automatic Light Switch Sterilization Device

**Award** 1 **Student(s)** Samuel Wu **Grade** 8 **Town** Avon

- \* PepsiCo Life Sciences Awards --- 1st Place- Life Sciences 8th grade - \$300 & Plaque
- \* EnergizeCT Future Sustainability Awards --- 1st Place Middle School - \$300 and Plaque
- \* Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- \* Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade - \$300 & Plaque
- \* Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2
- \* Broadcom MASTERS --- Invitation to compete in Broadcom MASTERS

1003 LT Comparing Kale Growth In Hydroponics Versus Potting Soil In Winter

**Award** 2 **Student(s)** Carys Wilson **Grade** 7 **Town** Somers  
 Delphine Lamattina **Grade** 7 **Town** West Hartford

- \* PepsiCo Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion
- \* Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- \* EnergizeCT Future Sustainability Awards --- 2nd Place Middle School - \$200 and Plaque
- \* Alexion Biotechnology Awards --- 1st Place- Biotechnology 7th grade - \$300 & Plaque
- \* Broadcom MASTERS --- Invitation to compete in Broadcom MASTERS

1004 LT Sun vs. Moon

**Award** 3 **Student(s)** Briella Dunkle **Grade** 8 **Town** Newtown  
 Nicole Dicello **Grade** 8 **Town** Southbury  
 Sophia DaSilva **Grade** 8 **Town** Danbury

- \* PepsiCo Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion
- \* EnergizeCT Future Sustainability Awards --- 3rd Place Middle School - \$100 and Plaque

5011 P7 Coding an Affordable Goat Identification System for All Farmers

**Award** m **Student(s)** Avery Fowler **Grade** 7 **Town** Cheshire

- \* Lockheed Martin Physical Sciences Awards --- 1st Place - Physical Sciences 7th Grade Ind. - \$200 & Plaque
- \* Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- \* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- \* EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- \* National Center for Inquiry Learning --- Danielle & Maggie Award for Imagination - MS \$100
- \* Dreams Unlimited Award --- \$100 Cash Award + Certificate to each student
- \* Broadcom MASTERS --- Invitation to compete in Broadcom MASTERS



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**Future Sustainability Awards**

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

4015	PT	Light it up with wind energy
<b>Award</b>	<b>m</b>	<b>Student(s)</b> Lukas Muy-cardenas David Perez
		<b>Grade 8 Town</b> Danbury <b>Grade 8 Town</b> Danbury

\* EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion

2010	L7	Mealybug Management 101 A Study of Household Plant Pest Treatment Options
<b>Award</b>	<b>m</b>	<b>Student(s)</b> Avni Manish
		<b>Grade 7 Town</b> Newington

- \* PepsiCo Life Sciences Awards --- 4th Place- Life Sciences 7th grade - Plaque
- \* CASE • The Jackson Laboratory Urban School Challenge Awards --- 5th Place Middle School - Plaque, Medallion
- \* EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- \* Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade - \$100 & Plaque

5516	P8	Are LED's affected by heat?
<b>Award</b>	<b>m</b>	<b>Student(s)</b> Alessandro Ochoa
		<b>Grade 8 Town</b> Wilton

- \* EnergizeCT Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion
- \* EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion

**High School**

6505	PST	Piezoelectric Wind Harvesting Electrical Energy Conversion
<b>Award</b>	<b>1</b>	<b>Student(s)</b> Dylan Pueschel John Watrous
		<b>Grade 12 Town</b> Hebron <b>Grade 12 Town</b> Hartford

- \* Lockheed Martin Physical Sciences Awards --- 2nd Place - Physical Sciences Senior High Team- \$300(split) & Plaque
- \* CASE • The Jackson Laboratory Urban School Challenge Awards --- 4th Place High School - Plaque, Medallion
- \* EnergizeCT Future Sustainability Awards --- 1st Place High School - \$500 and Plaque
- \* Raytheon Corporation Awards --- \$500, Plaque
- \* GENIUS Olympiad --- GENIUS Olympiad Competition for 1st Place HS Future Sustainability with \$700 stipend

6501	PST	Thermal Desalination: A More Efficient and Sustainable Alternative to Reverse Osmosis
<b>Award</b>	<b>2</b>	<b>Student(s)</b> Robert MacNaughton Michael Yeager
		<b>Grade 10 Town</b> Bronxville <b>Grade 10 Town</b> Greenwich

- \* EnergizeCT Future Sustainability Awards --- 2nd Place High School - \$300 and Plaque
- \* Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition
- \* 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.



# Connecticut Science & Engineering Fair

## Quinnipiac University

March 7 - 19, 2022

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### Future Sustainability Awards

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

6063 PS Utilizing Rooftop Gardens as a Means of Geothermal Energy Through Ground to Air Heat Transfer Systems  
 Award **3** Student(s) **Aidan King** Grade 12 Town Milford

- \* CASE • The Jackson Laboratory Urban School Challenge Awards --- Senior High Finalist - Medallion
- \* EnergizeCT Alternative/Renewable Energy Awards --- 1st Place High School - \$500 and Plaque
- \* EnergizeCT Future Sustainability Awards --- 3rd Place High School - \$200 and Plaque
- \* American Meteorological Society --- Certificate & \$25 gift card given by CSEF
- \* Frederick Olender USC Award in Memory of G. Robert Wisner --- \$250 Cash Award for HS student in USC school

6080 PS Remediation of Fire-Foam PFAs from Contaminated Water Using an Eco-Friendly and Reusable Water Filtration System  
 Award **m** Student(s) **Adam Kleshchelski** Grade 11 Town Cos Cob

- \* Lockheed Martin Physical Sciences Awards --- 4th Place - Physical Sciences Senior High Individual - Plaque
- \* Environmental Sciences Awards with CACIWC --- HS Finalist - CSF Medallion
- \* EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- \* Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition
- \* University of Hartford Scholarships --- University of Hartford Scholarship- For Excellence in Engineering, or Technology, \$30,000 (\$7,500 per year)

6504 PST Beyond Sunshine: Robotic Optimization for Maximum Efficiency of Solar Energy Production  
 Award **m** Student(s) **Aiden Christy** Grade 12 Town Glastonbury  
**Neel Vachhani** Grade 11 Town South Windsor

- \* EnergizeCT Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- \* EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion

6013 PS Optimizing a Portable Vertical Axis Wind Turbine with Improved Construction Methods and Testing of Various Airfoils  
 Award **m** Student(s) **Brodey Lu** Grade 12 Town Orange

- \* EnergizeCT Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 and Plaque
- \* EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- \* Raytheon Corporation Awards --- \$500, Plaque