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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

5510 P8 Does Our Desire for Convenient Spring Water Come at an Expense for Meaningful Microplastic Harm?
Award 1 **Student(s)** Sara Rahimtula **Grade 8 Town** Old Greenwich

- * EnergizeCT Future Sustainability Awards --- 1st Place Middle School - \$300 Cash and Trophy
- * Freeman Family Excellence in Chemistry Awards --- For Excellence in Chemistry or Chemical Engineering by a Middle School student, \$100 cash

4010 PT The Benefit of an Automatic Electricity Blocking Device on Preventing Waste of Electricity
Award 2 **Student(s)** **Lea Sanchez-Dubois** **Grade 8 Town** Danbury
Shatarupa Mandal **Grade 8 Town** Danbury
Shezan Alladin **Grade 8 Town** Danbury

- * Connecticut Science Fair Association Physical Science Awards --- Finalist - Physical Sciences Jr Team - CSF Medallion
- * The Jackson Laboratory with Connecticut Academy of Science and Engineering Urban School Challenge Awards --- Middle School Finalist - Medallion
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- * EnergizeCT Future Sustainability Awards --- 2nd Place Middle School - \$200 Cash and Trophy
- * IEEE, Connecticut Section --- \$250 Honors Award – Junior
- * Zepke Awards --- \$100 - For the Best Use of Electronic Circuitry- Middle School
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2023 Invention Convention, June 10

1018 LT Functional Filtration
Award 3 **Student(s)** **Grace Brew** **Grade 8 Town** Greenwich
Leah O'Meara **Grade 8 Town** Stamford

- * EnergizeCT Future Sustainability Awards --- 3rd Place Middle School - \$100 Cash and Trophy

2010 L7 Should You Buy Grow Lights?
Award m **Student(s)** **Justin Xu** **Grade 7 Town** West Hartford

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



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1016	LT	Recycling Greywater for Plant Growth			
Award	m	Student(s)	Grade	Town	
		Delainey Pappas	Grade 8	Enfield	
		Hadley Buttrey	Grade 8	Windsor Locks	
		Caleb Quinby	Grade 8	Windsor	

- * Life Science Awards with support from Boehringer Ingelheim --- Finalist - Life Sciences Middle School Team - CSF Medallion
- * EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- * Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF

2013	L7	Removing Sodium Nitrate from run off water			
Award	m	Student(s)	Grade	Town	
		Joel Brooks	Grade 7	Naugatuck	

- * EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- * Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF

High School

6028	PS	Development of an Efficient and Easily-Applicable Low-Energy Process for the Degradation of PFAS			
Award	1	Student(s)	Grade	Town	
		Zara Haque	Grade 10	Riverside	

- * EnergizeCT Future Sustainability Awards --- 1st Place High School - Plaque & \$700 Stipend to Compete at GENIUS Olympiad
- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion
- * GENIUS Olympiad --- GENIUS Olympiad Competition for 1st Place HS Future Sustainability

3511	LST	Potential Impact of Heavy Rain Events on Coastal Bacterial Populations: Modeling Human Impact in Close Proximity to Wastewater Treatment Facilities			
Award	2	Student(s)	Grade	Town	
		Cora FitzGerald	Grade 10	Guilford	
		Britney Xochipitecatl Cuahtepitzl	Grade 10	New Haven	

- * EnergizeCT Future Sustainability Awards --- 2nd Place High School - \$300 Cash and Plaque
- * GENIUS Olympiad --- GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project



Connecticut Science & Engineering Fair

Quinnipiac University

March 6 - 18, 2023

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6512 PST Harvesting Energy from the Wind by Combining Piezoelectrics and Turbines.
Award 3 Student(s) Ronak Ramesh Grade 11 Town Middletown
Aarush Singh Grade 11 Town South Windsor

- * Connecticut Science Fair Association Physical Science Awards --- 2nd Place- Physical Sciences Senior High Team- \$300(split) & Plaque
- * EnergizeCT Alternative & Renewable Energy Awards --- High School Finalist - Medallion
- * EnergizeCT Future Sustainability Awards --- 3rd Place High School - \$200 Cash and Plaque
- * Constellation Energy --- 2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy
- * Connecticut Association of Physics Teachers --- \$100 Senior project
- * Jon Chapitis Memorial Award --- John Chapitis Spirit of Innovation Award - HS \$200

3519 LST The effects of Light Pollution on the growth and health of stone corals Montipora Capricornia and Oxypora Coral.
Award m Student(s) Grayson O'Hara Grade 10 Town Rye
Tucker Spiess Grade 10 Town Old Greenwich

- * Life Science Awards with support from Boehringer Ingelheim --- 3rd Place - Life Sciences Senior High Team - Plaque
- * Environmental Sciences Awards with Connecticut Association of Conservation and Inland Wetlands Commissions --- HS Finalist - CSF Medallion
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF

3099 LS Eco-Friendly Removal of Eutrophication-Initiating NH4+ from Water via SAP-Enhanced, Activated Food Waste Biochar Adsorption Films
Award m Student(s) Audrey Lin Grade 11 Town Riverside

- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEF
- * Project Oceanology --- Individual - 1 Ocean Camp slot + T-Shirt & cap, First Place Senior

6008 PS Concurrent Removal of Rising Soluble Ocean Carbon Dioxide and Oil-in-Water Contaminants via Multi-Functional Remediation Framework.
Award m Student(s) Naomi Park Grade 11 Town Riverside

- * Connecticut Science Fair Association Physical Science Awards --- 3rd Place- Physical Sciences Senior High Individual - \$200 & Plaque
- * Stanley Black & Decker Applied Technology Awards --- 3rd Place High School - \$ 200 and Plaque, Medallion
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * Pepsico Engineering Awards --- 1st Place- Engineering Senior High- \$500 & plaque,
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition



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6022 PS Use of Cryptomelane-Type Manganese Oxide Free Standing Membranes for Removal of Oil Contaminants in Water.
 Award m Student(s) Ryan Wadhwa Grade 9 Town Greenwich

- * Environmental Sciences Awards with Connecticut Association of Conservation and Inland Wetlands Commissions --- HS Finalist - CSF Medallion
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * U.S. Air Force --- Certificate & USAF Merchandise Package

3097 LS The Water Cycle and Environmental Bacteria Resistance to Antiseptics
 Award m Student(s) Theodora Aslan Grade 10 Town HAMDEN

- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion

6080 PS Designing a Device to Charge a Cellphone Using Energy Created by a Bicycle for Underdeveloped Areas
 Award m Student(s) Abigail Nagel Grade 11 Town Trumbull

- * EnergizeCT Alternative & Renewable Energy Awards --- 1st Place High School - \$500 Cash and Plaque
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
- * J.A. Augustine and H. Glista Awards --- \$100 H. Glista Award for physical sciences

6030 PS Effect of Atmospheric conditions on the Power output of Solar Panel
 Award m Student(s) Seokhyun Chin Grade 10 Town Wallingford

- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion