



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

United Technologies Corporation Awards

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

Cheshire St. Bridget School Michelle Carroll
 2014 L7 Which Bioplastic is more Elastic

Award Student(s) **Kavin Kathir** Grade 7 Town Cheshire

- * Pfizer Life Sciences Awards --- 5rd Place- Life Sciences 7th grade- trophy
- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report

Windsor Madina Academy Saqib Chariwala
 4020 PT Investigating Novel Methods of Generating Electricity Using a Double Plated Magnetic Generator with Springs Compared to a Miniature Axial Rounded Tip Tidal Stream Generator

Award Student(s) **AlYaman Zoghol** Grade 8 Town Enfield
Ahmad Mohammed Grade 8 Town Windsor

- * Pepsico Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 5th Place- Engineering 8th grade- trophy
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report

Hebron Oei Homeschool Ellen McHugh
 5537 P8 Developing a Prototype Atmospheric Water Generator System as a Clean, Safe and Sustainable Water Source

Award Student(s) **John Oei** Grade 8 Town Hebron

- * Pepsico Physical Sciences Awards --- 1st Place- Physical Sciences 8th Grade Ind.- \$300 & trophy, invite to compete Broadcom MASTERS
- * Barnes Aerospace Applied Technology Awards --- 3rd Place Middle School - \$100 and Trophy, Medallion
- * Sustainable Resources and Practices Awards --- 2nd Place Middle School - \$300 Cash and Trophy
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF
- * Ct Architecture Foundation Award Name: The William M. Mack, AIA Award --- \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.
- * Society of Women Engineers - Hartford Section --- Scientific Calculator

Hamden Hamden Middle School Michelle DeLucia
 5545 P8 Constructing a CoreXY Dual Extrusion Fused Filament Fabrication Apparatus

Award Student(s) **Conner Larocque** Grade 8 Town Hamden

- * Pepsico Physical Sciences Awards --- 2nd Place- Physical Sciences 8th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 5th Place Middle School - Trophy, Medallion
- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 2nd Place- Engineering 8th grade- \$300 & trophy and Invitation Compete in Broadcom MASTERS
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate
- * IEEE, Connecticut Section --- \$100 Honorable Mention



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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 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

Greenwich Greenwich High School Andrew Bramante

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

Award 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

Bridgeport Bridgeport Regional Aquaculture Center - BCF Kirk Shadle

6024 PS Investigating the Efficacy of Magnesium Nitrate as a Viable Solvent in the Synthesis of 2,5-Dimethylfuran Biofuel

Award Student(s) Cole Stearns Grade 12 Town Fairfield

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
- * U.S. Metric Association --- Certificate & \$25 Amazon gift card given by CSEF
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR
- * Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$200 cash



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Lakeville The Hotchkiss School Richard Kyung
 6030 PS A New Fast Algorithm for Finding Eigenvalues in Vibrating Structures

Award **Student(s)** Seouk Jun Kim **Grade** 11 **Town** Lakeville

- * People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place High School - Plaque, \$200 from People's United Bank
 - * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, and Annual Report
 - * ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2018 Sustainability Solutions Festival and \$25 Gift Card
 - * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software - For Excellence in Mathematics
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