



Connecticut Science & Engineering Fair

Quinnipiac University

March 15 - 19, 2016

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

Final Judging Results

UTC Aerospace Systems Awards for Excellence in Engineering

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

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

Middle School

Bozrah Fields Memorial School Evelyn Brown

5518 P8 Producing Renewable Energy Using Piezoelectric Walking Surfaces

Award Student(s) **Dravyn Okoney** Grade 8 Town **Bozrah**

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences 8th Grade Ind.- \$300 & trophy, invite to compete Broadcom MASTERS
- * Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- * Ricoh Americans Corporation --- Certificate, \$50 gift card to Amazon given by CSEF
- * Constellation, an Exelon Company --- 2nd: \$75.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy
- * Connecticut Association for the Gifted --- Leonardo Davinci 7-8 Grade \$50 Gift Certificate
- * Spirit of Invention Award --- \$100 Cash and Plaque for Inventive Concepts

Hartford Sport and Medical Sciences Academy Marianne Vitali

5005 P7 Natural Plastic

Award Student(s) **Madison Lee** Grade 7 Town **Rocky Hill**

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- MS Phys. Sciences- \$300 / plaque
- * CASE Urban School Challenge Awards with Travelers --- 4th Place Middle School - Trophy, Medallion
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- * Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy
- * ASM Materials Education Foundation --- Certificate & \$50 gift card to Amazon given by CSEF
- * Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre
- * Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque
- * Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban Middle School Project
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"



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Hebron Oei - Homeschool Ellen McHugh

5026	P7	Hydropower Tiles: A Novel Approach to Harvesting Energy from Human Locomotion
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Award **Student(s)** John Oei **Grade** 7 **Town** Hebron

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
- * Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre
- * IEEE, Connecticut Section --- \$250 Honors Award -Junior
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"
- * Bob Harris Fix It Award --- \$75 and Certificate for ingenuity in using material and tools



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High School

Greenwich Greenwich High School Andrew Bramante

6055	PS	Increased Charge Rate and Capacity for Olivine Lithium-Ion Batteries Using Efficient, Upcycled Nanoscale Electrodes
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Award Student(s) **Christopher Popham** Grade 11 Town Old Greenwich

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place - Physical Sciences Senior High Individual - \$500 & Plaque, trip to compete at Intel ISEF
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, 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
- * Yale Science & Engineering Association, Inc. --- Certificate, \$50 gift card to Amazon given by CSEF

Greenwich Greenwich High School Andrew Bramante

3033	LS	Open-Wound Administration of Coagulant and Antibacterial Therapeutics via CaCO ₃ Microparticle Self-propulsion
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Award Student(s) **Michelle Woo** Grade 10 Town Riverside

- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist- Life Sciences - Medallion and Acrylic Award
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering

Greenwich Greenwich High School Andrew Bramante

6015	PS	Self-Sustaining Biosynthesis of Methane from CO ₂ via a Microbial & Electrochemical Hybrid System
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Award Student(s) **Devyn Zaminski** Grade 11 Town Greenwich

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 4th Place- Physical Sciences Senior High Individual - Plaque
- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- HS Phys. Sciences- \$250 / plaque
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related



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Middlebury Westover School Ben Hildebrand

6009	PS	The Pick Me Up Stander Walker: Designing A Device to Assist with Sit to Stand Transfers and Ambulation
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Award **Student(s)** **Caleigh Waskowicz** **Grade** 12 **Town** Southington

- * Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place- Physical Sciences Senior High Individual - \$200 & Plaque
- * Barnes Aerospace Applied Technology Awards --- 2nd Place High School - \$300 and Plaque Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Engineering: Mechanical