



Connecticut Science & Engineering Fair

Quinnipiac University

March 14 - 18, 2017

Broadcom Winners

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

Awards Legend

Honors = 1st, 2nd, 3rd place ribbons (1st honors are CSEF Finalists)

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Bethany	Amity Reg Middle School - Bethany Campus	Kevin Berean	5525	P8	1	Waterbot		

Student(s) Jonathan Fischman **Grade 8** **Town** Woodbridge

- * Pepsico Physical Sciences Awards --- 3rd Place- Physical Sciences 8th Grade Ind, - \$100 & trophy, invite to compete Broadcom MASTERS
- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion

Bethany	Amity Reg Middle School - Bethany Campus	Kevin Berean	4007	PT	1	Plantaid		
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Student(s) Evan Gorelick **Grade 8** **Town** Woodbridge
Peter Savelyev **Grade 8** **Town** Woodbridge

- * Pepsico Physical Sciences Awards --- 3rd Place- Physical Sciences MS Team- trophy, invite to compete Broadcom MASTERS
- * Xerox Computer Science Awards --- 2nd Place Middle School - \$200, Trophy and Medallion

Bozrah	Fields Memorial School	Mrs. E. Brown	5008	P7	1	Orb Characteristics and Containment		
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Student(s) Elijah Ramthun **Grade 7** **Town** Bozrah

- * Pepsico Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - trophy
- * People's United Bank Mathematics Awards - with ATOMIC --- 1st Place Middle School- \$150 from ATOMIC, and Trophy, \$300 from People's United Bank
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 4th Place- Engineering 7th grade- trophy
- * Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy and Invitation Compete in Broadcom MASTERS
- * Talcott Mountain Science Center & Academy --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science

Bozrah	Fields Memorial School	Mrs. Brown	5001	P7	1	Building Tesla Coils		
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Student(s) Lucas Santo **Grade 7** **Town** Bozrah

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 2nd Place- Engineering 7th grade- \$200 & trophy and Invitation Compete in Broadcom MASTERS
- * The Children's Museum --- 1 family 4-Pack of Admission Passes to the Children's Museum
- * Wisner Award --- \$250 cash and plaque

Danbury	St. Gregory the Great School	Mrs.Christine Fahey	5003	P7	1	Wind Energy? I'm a Big Fan!		
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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

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Danbury Westside Middle School Academy Andrea LaRosa

2537 L8 3 Testing CNT (Carbon Nanotubes) to filter E. coli Infected Water Samples

Student(s) Lasyapriya Josyula **Grade 8** **Town** Danbury

- * Sustainable Resources and Practices Awards --- 3rd Place Middle School - \$200 Cash and Trophy
- * Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade- \$500 & trophy and Invitation Compete in Broadcom MASTERS

Danbury Westside Middle School Academy Jon Neuhausel

2033 L7 1 Pharmaceuticals In Our Water: How Can These Hazardous Chemicals Be Filtered?

Student(s) Khushi Parikh **Grade 7** **Town** Danbury

- * Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- * Alexion Biotechnology Awards --- 1st Place- Biotechnology 7th grade- \$300 & trophy and Invitation Compete in Broadcom MASTERS

Farmington Irving A. Robbins Middle School Kerry Visone

5530 P8 1 Making concrete more energy efficient and lightweight.

Student(s) Angela Sadlowski **Grade 8** **Town** Unionville

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 3rd Place- Engineering 8th grade- \$100 & trophy and Invitation Compete in Broadcom MASTERS
- * Alexion Biotechnology Awards --- 5th Place- Biotechnology 8th grade- trophy
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * GCS Award for Excellence in Transportation Engineering --- \$250 cash and plaque

Greenwich Greenwich Catholic School Carol Lutz

5002 P7 1 Mass Maglev Manufacturing

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

Greenwich Greenwich Catholic School Mrs. Lutz

4028 PT 1 A Helping Hand

Student(s) Gianna Saviano **Grade 8** **Town** Stamford
 Sofina Tillman Singh **Grade 8** **Town** Stamford

- * Pepsico Physical Sciences Awards --- 2nd Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
- * IEEE, Connecticut Section --- \$250 Honors Award -Junior
- * John S. Kendall Memorial Awards --- \$300 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Hamden Hamden Middle School Michelle DeLucia

5545	P8	1	Constructing a CoreXY Dual Extrusion Fused Filament Fabrication Apparatus					
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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

Hartford Sport and Medical Sciences Academy Christine Demusz

5508	P8	1	Natural Plastic: Milk Plastic Biodegradation vs. Commercial Plastic Degradation					
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Student(s) Madison Lee **Grade 8** **Town** Rocky Hill

- * Pepsico Physical Sciences Awards --- 5th Place- Physical Sciences 8th Grade Ind. - trophy
- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 1st Place Middle School - \$300 and Trophy, Medallion
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 1st Place- Engineering 8th grade- \$500 & trophy and Invitation Compete in Broadcom MASTERS
- * Connecticut Academy of Science and Engineering Middle School Urban School Challenge Award --- Urban School Challenge 1st MS- \$250 Cash Award, Invite to attend CASE's Annual Mtg & \$500 to School Science Department for Equipment/Supplies
- * Alexion Biotechnology Awards --- 2nd Place- Biotechnology 8th grade- \$300 & trophy and Invitation Compete in Broadcom MASTERS
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, waste recycling related
- * Urban School Challenge 1st Place Middle School Awards --- Highest Placing 8th grader- GENIUS-Olympiad Competition -\$500 travel stipend
- * GENIUS Olympiad --- GENIUS Olympiad Competition for Highest Placing USC 8th grade Project

Hebron Oei Homeschool Ellen McHugh

5537	P8	1	Developing a Prototype Atmospheric Water Generator System as a Clean, Safe and Sustainable Water Source					
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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

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

New Canaan St. Aloysius School deborah phillips

4027 PT 1 Mars Exploration

Student(s) Kaloyan Dimitrov **Grade 7** **Town** Norwalk
 Andrew Tully **Grade 7** **Town** Norwalk
 Alex Lanzillotti **Grade 7** **Town** Stamford

- * Pepsico Physical Sciences Awards --- 1st Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 3rd Place- Engineering 7th grade- \$100 & trophy and Invitation Compete in Broadcom MASTERS
- * ISA - International Society for Automation - Ct. Valley Section --- 1st - \$125 award

New Haven Worthington Hooker Middle School Douglas Jones

1009 LT 1 Seaweed & Tsunamis

Student(s) Amelia Cox **Grade 7** **Town** New Haven
 Sage Urban **Grade 7** **Town** New Haven

- * Pfizer Life Sciences Awards --- 3rd Place- Life Sciences MS Team- trophy and Invite to Compete Broadcom MASTERS
- * National Oceanic and Atmospheric Administration --- Certificate and medallion, ,and \$25 Amazon gift card given by CSEF
- * J.A. Augustine Award --- \$100 for excellence in biology

Norwalk Roton Middle School John Skopp

2524 L8 1 What effect does surface temperature have on fingerprints?

Student(s) Sarah Signore **Grade 8** **Town** Norwalk

- * Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 8th grade- \$200 & trophy and Invite to Compete Broadcom MASTERS
- * Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash

Shelton Shelton Intermediate School Denise Fix

5023 P7 1 Sneaker Feature

Student(s) Sofia Gasbarro **Grade 7** **Town** Shelton

- * Pepsico Physical Sciences Awards --- 3rd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
- * Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School, Physical Sciences

Stamford Bi-Cultural Day School Christopher Graseck 421 Park

1016 LT 1 How do Brine Shrimp Hatch in different Ph?

Student(s) Ben Cohen **Grade 7** **Town** Westport
 Joshua Marcus **Grade 7** **Town** Westport

- * Pfizer Life Sciences Awards --- 1st Place- Life Sciences MS Team- \$100 each & trophy and Invite to Compete Broadcom MASTERS

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Stamford	Bi-Cultural Day School	Christopher Graseck	1002	LT	1	Is "non-toxic" dish detergent safe for the environment?		
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Student(s)	Brandon King	Grade 7	Town	Stamford
	Ori Divon	Grade 7	Town	Stamford

- * Pfizer Life Sciences Awards --- 2nd Place- Life Sciences MS Team- \$100 each & trophy and Invite Compete Broadcom MASTERS
- * Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash

Stratford	St. Mark School	Ms. Lynn Olins	2005	L7	1	"Watts" the efficiency of solar cells?		
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Student(s)	Kaitlyn Szczepanski	Grade 7	Town	Stratford
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- * Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 5th Place- Engineering 7th grade- trophy
- * U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate

Trumbull	Christian Heritage School	Theresa Miller	5555	P8	1	The fabrication and testing of various fruit juice dye-sensitized solar cells with the addition of preservatives		
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Student(s)	Rachel Brooks	Grade 8	Town	Trumbull
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- * 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

Trumbull	Christian Heritage School	Theresa Miller	2533	L8	1	The Effect of Martian Regolith on Vegetable Germination for Extra Terrestrial Colonization		
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Student(s)	Amanda Shipman	Grade 8	Town	Trumbull
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- * Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 8th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion

West Hartford	King Philip Middle School	Robert Felekey	5038	P7	1	Slip Hazard Alarm Robot--H2OhNobot		
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Student(s)	Theodore Zhang	Grade 7	Town	West Hartford
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- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 1st Place- Engineering 7th grade- \$300 & trophy and Invitation Compete in Broadcom MASTERS
- * American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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West Hartford St. Timothy Middle School Danielle Locke

2022	L7	1	Green Tea: A Simple Solution for a Bananas Problem?					
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Student(s) Grace Flynn **Grade 7** **Town** West Hartford

- * Pfizer Life Sciences Awards --- 1st Place- Life Sciences 7th grade- \$200 & trophy and Invitation to Compete Broadcom MASTERS
- * Alexion Biotechnology Awards --- 2nd Place- Biotechnology 7th grade- \$200 & trophy and Invitation Compete in Broadcom MASTERS
- * Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School Life Sciences

Wilton Middlebrook Middle School Jessica Garcia

2504	L8	1	A Novel Method for Oil Spill Cleanup Using Biomass					
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Student(s) Anika Bhagavatula **Grade 8** **Town** Wilton

- * Pfizer Life Sciences Awards --- 1st Place- Life Sciences 8th grade- \$300 & trophy and Invite to Compete Broadcom MASTERS
- * Environmental Sciences Awards with CACIWC --- 1st Place MS - \$300, Trophy, CACIWC gifts
- * Sustainable Resources and Practices Awards --- 1st Place Middle School - \$500 Cash and Trophy
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- * Ricoh Americas Corporation --- Certificate, \$25 Amazon gift card given by CSEF
- * National Oceanic and Atmospheric Administration --- Certificate and medallion, ,and \$25 Amazon gift card given by CSEFF
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"