



Connecticut Science & Engineering Fair

Quinnipiac University

March 14 - 18, 2017

Winning Projects

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)
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Avon	Avon High School	Mrs. Andrea Galuska	6529	PST	3	Virtual Forensics Chemical Lab Simulation App (for Liquids, Metals, and Nonmetal Solids)		
		Student(s)				Jaya Hari	Grade 9	Town Avon
						Dheepa Hari	Grade 9	Town Avon

* American Meteorological Society --- Certificate & \$25 Amazon gift card given by CSEF

Avon	Avon High School	Andrea Galuska	6020	PS	2	Fluorescent Nanofiber Matrices as Extracellular Matrix Tissue Substitutes		
		Student(s)				Humza Zaidi	Grade 11	Town Avon

Avon	Talcott Mountain Academy	Usha Meera	2026	L7	2	The effect of music on memory		
		Student(s)				Grace Allen	Grade 7	Town Avon

Avon	Talcott Mountain Academy	Ms. Meera	2530	L8	2	Bacterial Growth		
		Student(s)				Elise Casey	Grade 8	Town Avon

Avon	Talcott Mountain Academy	Ms. Merra	2502	L8	2	The Effects of Smell Loss From Perfume Based on Age		
		Student(s)				Kathleen Casey	Grade 8	Town Avon

Avon	Talcott Mountain Academy	Ms. Finlayson	2029	L7	2	The Effects Of Weather On Warblers in Pomfret Ct		
		Student(s)				Connor Farquhar	Grade 7	Town West Hartford

* Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum

Avon	Talcott Mountain Academy	Usha Meera	2021	L7	2	Can Pseudomonas putida purify the air by biodegrading volatile organic compounds ?		
		Student(s)				Karan Kothari	Grade 7	Town Glastonbury

* Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, air pollution related

Conn. Science & Engineering Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Avon	Talcott Mountain Academy	Lydia Gibb	5539	P8	2	Unsupervised Machine Learning for Text Categorization		
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Student(s) Aresh Pourkavoos **Grade 8** **Town** Avon

- * Xerox Computer Science Awards --- 1st Place Middle School - \$300, Trophy and Medallion
- * Leask/Francoeur Family Awards --- 1st Place Middle School- For innovation electrical engineering or computer science - \$200 cash

Baltic	Sayles School	Miss Roy	5041	P7	3	Wave Generated Beach Erosion		
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Student(s) Abigail Staggs **Grade 7** **Town** Baltic

- * Association for Women Geoscientists --- Certificate & \$25 gift card to Amazon given by CSEF

Bethany	Amity Reg Middle School - Bethany Campus	Kevin Berean	5525	P8	1	Waterbot		
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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

Bethany	Amity Reg Middle School - Bethany Campus	Kevin Berean	4004	PT	1	Water Turbine		
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Student(s) Christopher Hill **Grade 8** **Town** Woodbridge
 Benjamin Lee **Grade 8** **Town** Woodbridge

- * Pepsico Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion
- * Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering 8th grade - CSF Medallion
- * Dreams Unlimited Award --- \$200 Cash Award + Certificate

Bethany	Amity Reg Middle School - Bethany Campus	Mr. Kevin Berean	4021	PT	1	The Energy Band		
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Student(s) Kabir Khwaja **Grade 8** **Town** Woodbridge
 Samuel Green **Grade 8** **Town** Bethany

- * Pepsico Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion
- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- * Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy

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

4025	PT	1	The Clean Drain					
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Student(s)	William Livesay	Grade 8	Town	Woodbridge
	Joshua Feuerstein	Grade 8	Town	Woodbridge
	Arnav Paliwal	Grade 8	Town	Woodbridge

- * Pepsico Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion
- * Barnes Aerospace Applied Technology Awards --- 1st Place Middle School - \$300 and Trophy, Medallion
- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 4th Place- Engineering 8th grade- trophy
- * TurnKey Compliance Solutions Environmental Awards --- \$200 Cash Award Middle School- For excellence in environmental sciences

Bethany Amity Reg Middle School - Bethany Campus Berean

5569	P8	3	Injur-knee					
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Student(s)	Cameron Luciano	Grade 8	Town	Woodbridge
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- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion

Bethany Amity Reg Middle School - Bethany Campus Kevin Berean

5564	P8	1	Pen-nik					
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Student(s)	Nikhil Mali	Grade 8	Town	Woodbridge
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- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * Alexion Biotechnology Awards --- 4th Place- Biotechnology 8th grade- trophy

Bethany Amity Reg Middle School - Bethany Campus Kevin Berean

4010	PT	2	Using Nanotechnology to Clean Oil Spills					
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Student(s)	Aamnah Malik	Grade 8	Town	Woodbridge
	Kathleen Inclima	Grade 8	Town	Woodbridge

- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion
- * National Oceanic and Atmospheric Administration --- Certificate and medallion, ,and \$25 Amazon gift card given by CSEF

Bethany Amity Reg Middle School - Bethany Campus Kevin Berean

5574	P8	2	How WiFi Affects the Growth of Plants					
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Student(s)	Hanna Skiba	Grade 8	Town	Woodbridge
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[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bethany Amity Reg Middle School - Bethany Campus Kevin Berean
 5559 P8 1 Vision Shoe

Student(s) Shyam Viswanathan **Grade 8** **Town** Woodbridge

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- * Xerox Computer Science Awards --- Middle School Finalist - Medallion
- * American Meteorological Society --- Certificate & \$25 Amazon gift card given by CSEF
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * ISA - International Society for Automation - Ct. Valley Section --- 2nd - \$75 award
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"
- * **The Karen J. Howell Middle School Award for "Learning and Serving"**
 --- The Karen J. Howell Middle School Award for "Learning and Serving" - \$1000

Bethany Amity Reg Middle School - Bethany Campus Kevin Berean
 5519 P8 1 Extinguish-Bot

Student(s) Weiss Yuan **Grade 8** **Town** Woodbridge

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering 8th grade - CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF
- * Ricoh Americas Corporation --- Certificate, \$25 Amazon gift card given by CSEF
- * American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project

Bethany Amity Reg Middle School - Bethany Campus Kevin Berean
 4001 PT 2 Using Flocculation to Extract Chromium 6 From Water

Student(s) Wendy Zhang **Grade 8** **Town** Woodbridge
 Claire Yuan **Grade 8** **Town** Woodbridge

- * Barnes Aerospace Applied Technology Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion
- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion

Bethany Amity Reg Middle School - Bethany Campus Kevin Berean
 1003 LT 2 Test Methods

Student(s) Juliette Zito **Grade 8** **Town** Woodbridge
 Eesha Acharya **Grade 8** **Town** Bethany

Bethel Bethel High School Raymond Turek
 3066 LS 1 Maximizing Energy Production from MudWatts

Student(s) Brynne Bosworth **Grade 12** **Town** Bethel

- * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion

Bethel Bethel High School Raymond Turek
 6014 PS 3 The Performance of a Graphene anode battery in a Remote Control Car

Student(s) Daniel Islam **Grade 12** **Town** Bethel

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Bethel	Bethel High School	Ray Turek	3029	LS	2	Raynaud's Phenomenon Noninvasive Treatment Through Natural Breathing and Meditation Techniques		
Student(s) Jessica MacIntyre							Grade 12	Town Bethel
Bethel	Bethel High School	Ray Turek	6092	PS	3	Methane Reduction in Hydropower Plants		
Student(s) Pavitra Rao Makarla							Grade 12	Town Bethel
Bethel	Bethel High School	Ray Turek	6086	PS	2	Synthetic Turf Infill Engineering		
Student(s) Rachel Salvador							Grade 12	Town Bethel
* American Society for Metals - Hartford Chapter --- \$100 Check								
Bethel	Bethel High School	Mr. Turek	3036	LS	3	4,2-Dichlorophenoxyacetic acids influence on production of soft tissue sarcoma within Rodent Skeletal muscle.		
Student(s) Henry Valle							Grade 12	Town Bethel
Bethel	St. Mary School	Kate McDonald	5552	P8	3	Name Brand vs. Value Brand vs. Homemade		
Student(s) Judith Apotheker							Grade 8	Town Bethel
Bethel	St. Mary School	Mrs. McDonald	1010	LT	3	Food Energy - Calorimeter		
Student(s) Joseph Campolo							Grade 8	Town Bethel
Student(s) Anthony Campolo							Grade 8	Town Bethel
Bethel	St. Mary School	Kate McDonald	5506	P8	2	Solar Cells		
Student(s) Grace Garvey							Grade 8	Town Bethel
* Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion								
Bethel	St. Mary School	Kate McDonald	5015	P7	3	Shapes of Parachutes		
Student(s) Ricky Lawlor							Grade 7	Town Bethel
Bethel	St. Mary School	Mrs. Kate McDonald	5542	P8	3	Wind Turbines		
Student(s) Anna Meehan							Grade 8	Town Bethel

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

Bethel St. Mary School Kate McDonald
 2507 L8 3 Hydroponics vs Soil Gardening
Student(s) Lola Taylor **Grade 8** **Town** Bethel

Bethel St. Mary School Kate McDonald
 5018 P7 2 Building A Smarter Gutter
Student(s) Caroline Tucker **Grade 7** **Town** Danbury

Bolton Bolton High School Kevin Hartmann
 6017 PS 2 An Investigation of Factors Affecting Catalytic Functions.
Student(s) Elizabeth Sansevero **Grade 12** **Town** East Hartford

Bozrah Fields Memorial School Mrs. E. Brown
 5535 P8 2 Password Security; How Easily Can Your Password Be Hacked? What Can You Do to Make it Safer?
Student(s) Kyra Adcock **Grade 8** **Town** Bozrah

* Xerox Computer Science Awards --- Middle School Finalist - Medallion

Bozrah Fields Memorial School Mrs. E. Brown
 5008 P7 1 Orb Characteristics and Containment
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
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

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

Bozrah Fields Memorial School Mrs. Brown
 5004 P7 1 Environmental Monitoring System for Dog Safety

Student(s) Morgan Tainter **Grade 7** **Town** Gilman

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion
- * Xerox Computer Science Awards --- 3rd Place Middle School- \$100, Trophy, Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering 7th grade - CSF Medallion
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * Connecticut Science Supervisors Association --- \$125 for a middle school project
- * John B. Trevor Award in Electrical Engineering --- \$500 cash award for an innovative electronic or electrical project

Bridgeport Black Rock School Helena Coatsworth
 5572 P8 3 How Far Will It Stretch?

Student(s) Jayvyn Kerr **Grade 8** **Town** Bridgeport

Bridgeport Blackham School Christine Kasten
 4023 PT 3 How Does the Temperature of a Tennis Ball Affect the Height of It's Bounce?

Student(s) Guilherme Pinto **Grade 7** **Town** Bridgeport
 Christopher Schramm **Grade 7** **Town** Bridgeport

Bridgeport Bridgeport Military Academy Samantha Lasko
 3534 LST 3 Does Makeup Grow on Bacteria?

Student(s) Kiara Corporan **Grade 9** **Town** Bridgeport
 Suany Ulloa **Grade 9** **Town** Bridgeport

Bridgeport Bridgeport Military Academy Evanna Dias
 6068 PS 3 Fire Resistance

Student(s) Evanna Dias **Grade 12** **Town** Bridgeport

- * American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3101 LS 2 Evaluation of Caenorhabditis elegans as a Bioindicator of Soil Toxicity via Chemotaxis Assay of Anthronilic Acid

Student(s) Connor Anderson **Grade 12** **Town** Stratford

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3076 LS 2 The efficacy of topical ascorbic acid as an inhibitor to mold and bacteria growth

Student(s) Cassidy Fawcett **Grade 12** **Town** Fairfield

- * ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2018 Sustainability Solutions Festival and \$25 Gift Card
- * Institute of Food Technologists, Nutmeg Section --- \$100 award + invitation to dinner

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

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3068 LS 2 Predicting the Genomic Pathways of Adaptation In *Spartina alterniflora* Salt Tolerance Proteins LSD1, EDS1, and PAD4 in Response to Sea Level Rises Via Phylogenetic Trees
Student(s) Amanda Hernandez **Grade** 12 **Town** Bridgeport

* Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3098 LS 2 Developing a Spatial Model of Invasive Spread in Response to Climate Change
Student(s) Tomas Koeck **Grade** 12 **Town** Fairfield

* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3072 LS 2 Developing a Minimally Invasive Form of Enhancing In Vitro Cellular Growth via Ultrasonic Frequencies
Student(s) Emily Luciano **Grade** 12 **Town** Stratford

* Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3137 LS 2 The Use of a Hydroxybenzene Group Variant, Grapefruit Seed Extract, as an Alternative Natural Pesticide for Contemporary Chemicals in Modern Agriculture
Student(s) Kyle Rosenfeld **Grade** 12 **Town** Fairfield

* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

* ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2018 Sustainability Solutions Festival and \$25 Gift Card

Bridgeport Bridgeport Regional Aquaculture Center Krik Shadle
 6038 PS 2 The Application of Ferrofluid paired with Neodymium Rare Earth Magnets to Reduce Friction.
Student(s) Paul Santandrea **Grade** 12 **Town** Fairfield

* University of Connecticut - Physics Department --- UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3129 LS 2 Utilizing a Freshwater Bioreactor as an Effective Carbon Dioxide Sequestration Technique
Student(s) Daniel Schaefer **Grade** 12 **Town** Stratford

* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

* Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3094 LS 2 The Application of Pyrethrin as an Organic Systemic Insecticide for *Acheta domestica*
Student(s) Brian Tormey **Grade** 12 **Town** Fairfield

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

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 6078 PS 2 Evaluation of BMG via tensile strength and hardness after exposure to acidic, basic, and saline conditions

Student(s) Koe Tsutsumi **Grade** 12 **Town** Stratford

* ASM Materials Education Foundation --- Certificate & \$25 gift card to Amazon given by CSEF

Bridgeport Bridgeport Regional Aquaculture Center - BCF Holly Turner
 3062 LS 2 The antimicrobial efficacy of probiotics with *Homerus americanus* (American Lobster) exoskeleton fauna to control the impacts related to Shell Rot Disease

Student(s) Simone DiBella **Grade** 10 **Town** Bridgeport

Bridgeport Bridgeport Regional Aquaculture Center - BCF Kirk Shadle
 6028 PS 2 Development of an Economical Single Stream Recovery Protocol of LiCoO₂ Via Biological Sequestration

Student(s) Zachary Gottlieb **Grade** 12 **Town** Stratford

Bridgeport Bridgeport Regional Aquaculture Center - BCF Kirk Shadle
 6517 PST 1 A Novel High Performance Liquid Chromatography Protocol to Investigate the Analgesic Role of Salicylic Acid and Other Bioactive Components found in Traditional Chinese Medicine

Student(s) Rachel Roca **Grade** 12 **Town** Trumbull
 Julia Lawlor **Grade** 12 **Town** Southport

* Pepsico Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Team- \$300(split) & Plaque

Bridgeport Bridgeport Regional Aquaculture Center - BCF Holly Turner
 3540 LST 3 Determination of light Wave Length Effect on *Gracilaria tikvahiae* Growth Rate

Student(s) Damon Sherwood **Grade** 10 **Town** Bridgeport
 Juan Alvarez **Grade** 10 **Town** Bridgeport

Bridgeport Bridgeport Regional Aquaculture Center - BCF Kirk Shadle
 6024 PS 1 Investigating the Efficacy of Magnesium Nitrate as a Viable Solvent in the Synthesis of 2,5-Dimethylfuran Biofuel

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

Bridgeport Fairchild Wheeler Magnet High School Ms. Warner
 3116 LS 3 Studying Picture Quality: Evaluation of Pixels in Pictures Taken on the iPhone 7+ Camera, iPhone 6+ Camera and Snapchat Camera.

Student(s) Jordan Chisholm **Grade** 11 **Town** Bridgeport

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Bridgeport	Fairchild Wheeler Magnet High School	Lucas Fatsy	6059	PS	3	Most Powerful Wind Turbine Blades		
Student(s) Ezekiel Cruz					Grade 9	Town Trumbull		
Bridgeport	Fairchild Wheeler Magnet High School	Mr.Apgar	6008	PS	3	" I'm just saying you can do 'beta' "		
Student(s) Natanael Garcia					Grade 11	Town Stratford		
Bridgeport	Fairchild Wheeler Magnet High School	Ms. Ma	6511	PST	2	Will the type of Acidic Liquid Mix With Milk change the Durability of Plastic		
Student(s) Cecilia Merlo					Grade 10	Town Bridgeport		
Praneeth Sundararajan					Grade 10	Town Milford		
Bridgeport	Fairchild Wheeler Magnet High School	Ms, Warner	6003	PS	2	AN INVESTIGATION INTO THE CAPABILITY OF GRAPHENE TO PRODUCE ELECTRICITY DURING RAINSTORMS AS AN ADDITION TO A TRADITIONAL SOLAR PANEL		
Student(s) Steven Siveyer					Grade 10	Town Monroe		
<ul style="list-style-type: none"> * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 2nd Place High School - \$400 and Plaque, Medallion * Energize CT/eesmarts Future Sustainability Awards --- 1st Place High School - \$500 Cash, Plaque, and Trip to Compete I-SWEEEP, Houston * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion 								
Bridgeport	Fairchild Wheeler Magnet High School	Mr. Nilan	6526	PST	3	Using Programming to Solve Math Problems My Calculus Teacher Couldn't Solve		
Student(s) Kenneth Wright					Grade 11	Town Milford		
Jada Worthy					Grade 11	Town Bridgeport		
Bridgeport	High Horizons Magnet School	Portia Scott-Thiam	2513	L8	2	Hydroponics vs. Fogponics		
Student(s) Rebecca Abirached					Grade 8	Town Bridgeport		
<ul style="list-style-type: none"> * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Middle School Finalist - Medallion * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion * Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner * Southeastern New England Marine Educators --- Outstanding project in aquatic Science \$100 award and membership in SENEME - 1st place Junior and t-shirt 								
Bridgeport	High Horizons Magnet School	Portia Scott-Thiam	4019	PT	3	Can you hear what the sound polluting?		
Student(s) Joshua Green					Grade 8	Town Bridgeport		
Jada Daley					Grade 8	Town Bridgeport		

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

Bridgeport High Horizons Magnet School Portia Scott-Thiam

4024 PT 2 Sturdiest of Them All

Student(s) Kayla Keddo **Grade 8** **Town** Bridgeport
 Dea'ja Jones **Grade 8** **Town** Bridgeport

* 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.

Bridgeport John Winthrop School Susan Beres

5034 P7 2 Ready, Set, Blast Off!

Student(s) Amanda Teixeira **Grade 7** **Town** Bridgeport

Bridgeport Multicultural Magnet School Ms. Ciuflea

5032 P7 1 Natural Power

Student(s) John Paul Atehortua **Grade 7** **Town** Bridgeport

* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion
 * Energize CT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion
 * U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate

Bridgeport Multicultural Magnet School Ms. Ciuflea

2030 L7 3 Extracting Carbohydrates From Tubers

Student(s) Angelica Joyner-Cross **Grade 7** **Town** Bridgeport

Bridgeport Park City Magnet School Mrs.Simon

5527 P8 2 hoverboards

Student(s) Amir Alibali **Grade 8** **Town** Bridgeport

Bridgeport Park City Prep Charter School Ms.Boudreau

2010 L7 3 How Does Microwave Radiation Affect Organisms?

Student(s) Jenifer Bonilla **Grade 7** **Town** Bridgeport

Bridgeport Park City Prep Charter School Mr. Jonathan Jaekle

2542 L8 1 Larva -B-Gone: A Safer Way To Eliminate The Threat of Zika and Other Mosquito Borne Diseases

Student(s) Antonios Boudreau **Grade 8** **Town** Ansonia

* Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion
 * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Middle School Finalist - Medallion
 * Talcott Mountain Science Center & Academy --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science

Bridgeport Park City Prep Charter School Jonathan Jaekle

2517 L8 3 Will It Decay Or Stay?
 (The decay of organic matter)

Student(s) Monica Cardenas **Grade 8** **Town** Bridgeport

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Bridgeport	Park City Prep Charter School	Jonathan Jaekle	5516	P8	3	Toothpaste (Does Brand Matter?)		Student(s) Danney Gibbs Grade 8 Town Stratford
Bridgeport	Park City Prep Charter School	Vasiliki Boudruea	2024	L7	3	Artificial Turf		Student(s) Alyssa Hall Grade 7 Town Bridgeport
Bridgeport	Park City Prep Charter School	Mr.jaekle	1013	LT	1	Acid rain vs. algae		Student(s) Leanna Hosten Joy Longwa Grade 8 Town Bridgeport Grade 8 Town Bridgeport
* Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion								
Bridgeport	Park City Prep Charter School	Vicky Boudreau	2004	L7	3	Mold? Food? Time		Student(s) Kourtney Payne Grade 7 Town Bridgeport
Bridgeport	Park City Prep Charter School	Mrs. Boudreau	5039	P7	2	A Battery That Makes Cents		Student(s) Emily Ramirez Grade 7 Town Bridgeport
Bridgeport	Park City Prep Charter School	Vicky Boudreau	5007	P7	3	Cleaning Coins		Student(s) Parker Savo Grade 7 Town Bridgeport
Bridgeport	Park City Prep Charter School	Jonathan Jaekle	5558	P8	2	Where is the paper airplane?		Student(s) Hairo Vivas-Nava Grade 8 Town Bridgeport
* American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate								
Bridgeport	Read School	Nita Chai	5565	P8	2	How Does Fabric Softener Affect The Flammability Of Different Fabrics?		Student(s) Brian Luna Grade 8 Town bridgeport
Bridgeport	Roosevelt School	Ms. Simon	5517	P8	3	Crystallization Creations		Student(s) Nicolas Daniels Grade 8 Town Bridgeport

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

Bridgeport Warren Harding High School Dr. V. Gupta
 3003 LS 3 The Investigation of Electrolytes
Student(s) Karim Alveranga **Grade** 11 **Town** Bridgeport

Bristol St. Paul Catholic High School Mr. Aliberti
 6047 PS 2 A Weather-Based Autonomous Rainwater Irrigation System
Student(s) Kamila Krawczuk **Grade** 11 **Town** New Britain

- * Xerox Computer Science Awards --- Senior High Finalist - Medallion
- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion
- * Leask/Francoeur Family Awards --- 1st Place High School- For innovation electrical engineering or computer science - \$200 cash
- * Connecticut Nurserymen's Foundation, Inc. --- \$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting
- * Southeastern New England Marine Educators --- Outstanding project in aquatic Science \$100 award and membership in SENEME - 1st place Senior and t-shirt

Canton Canton High School Stephen Riley
 6021 PS 3 Lending a Hand to Those Who Need it Most.
Student(s) Devin Kadis **Grade** 12 **Town** Canton

Canton Canton High School Stephen Riley
 6055 PS 3 So You Want to be a Rock Climber?
Student(s) Noah O'Leary **Grade** 12 **Town** Avon

Canton Canton High School Stephen Riley
 6075 PS 2 The Gravitational Effect Of The Galilean Satellites
 On The Shrinkage Of The Great Red Spot
Student(s) Adeline Obrzut **Grade** 12 **Town** Canton

Canton Canton High School Stephen Riley
 6100 PS 3 A Closer Look At Petroleum: Our World's Energy
Student(s) Gabriel Ortiz **Grade** 12 **Town** Canton

- * Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion

Canton Canton High School Stephen Riley
 6062 PS 3 An investigation of the structural integrity of wood species used for the tops of acoustic guitars.
Student(s) Ethan Porter **Grade** 12 **Town** Canton

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Cheshire	Dodd Middle School	Mr. Brian Lopez	5570	P8	2	"Organic Waste : A Renewable Source of a Energy"		
					Student(s) Medha Illindala	Grade 8	Town Cheshire	
* Association for Women Geoscientists --- Certificate, \$25 gift card to Amazon given by CSEF, possible advance to further competition								
Cheshire	St. Bridget School	Michelle Carroll	2014	L7	1	Which Bioplastic is more Elastic		
					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								
Cheshire	St. Bridget School	Mrs Carroll	2520	L8	1	Do the Eyes Have It?		
					Student(s) BriAnna McConnell	Grade 8	Town Wolcott	
* Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion								
Danbury	Abbott Technical High School	Andrew Ipkovich	3536	LST	3	How much do we need to dilute the solution for it to still perm eyelashes?		
					Student(s) Kayla Ludovicy	Grade 10	Town New Milford	
					Cicity Telesco	Grade 10	Town Southbury	
Danbury	Danbury High School	Linda Kimble	3011	LS	2	The Effect of Plasmid on the Transformation Efficiency of Component Escherichia Coli (E. coli)		
					Student(s) Sarah Johnson	Grade 9	Town Danbury	
Danbury	Danbury High School	Karen Lamb	3007	LS	1	Prevention of Zika Virus Infection and Other Mosquito-Borne Diseases Using Environmentally Sound Control Methods		
					Student(s) Bradley Kerr	Grade 9	Town Danbury	
* Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion								
* CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Senior High Finalist - Medallion								
* Environmental Sciences Awards with CACIWC --- 3rd Place HS- \$100, Plaque, CACIWC gifts								
* Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$250 cash								
Danbury	Immaculate High School	Bridget Henry	6050	PS	3	Liquid Reflectiveness and its effect on temperature		
					Student(s) Nolan Ames	Grade 11	Town Danbury	

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

Danbury St. Gregory the Great School Mrs. Christine Fahey
 4022 PT 3 Do Antennas Love Geometry?
Student(s) **Stephanie Antonios** **Grade 7** **Town** Danbury
Courtney- Rae McCormack **Grade 7** **Town** Danbury
Cassandra Logan **Grade 7** **Town** New Milford

Danbury St. Gregory the Great School Mrs. Christine Fahey
 1004 LT 3 Strawberry vs Aloe
Student(s) **Gianna Casturani** **Grade 7** **Town** Brookfield
Caroline Merritt **Grade 7** **Town** Danbury
Giovanna Riccio-Weisse **Grade 7** **Town** Danbury

Danbury St. Gregory the Great School Mrs. Christine Fahey
 1012 LT 2 Clean!... Chemical Free!...Protect your family!
Student(s) **Aiden Coleman** **Grade 7** **Town** Danbury
Joseph Wilson **Grade 7** **Town** Danbury

Danbury St. Gregory the Great School Mrs. Christine Fahey
 4015 PT 2 The Effect of Temperature on Solar Cells
Student(s) **Thomas Fahey** **Grade 8** **Town** Danbury
Eric McNamara **Grade 8** **Town** Danbury

* Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion

Danbury St. Gregory the Great School Mrs. Fahey
 2506 L8 2 Are You Throwing Away Your Money?
Student(s) **Gianna Fanelli** **Grade 8** **Town** Danbury

Danbury St. Gregory the Great School Mrs. Christine Fahey
 5003 P7 1 Wind Energy? I'm a Big Fan!
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/eemarks Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion

* Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque

Danbury St. Gregory the Great School Mrs. Fahey
 5560 P8 3 How does fabric softener affect the flammability of different fabrics
Student(s) **Christopher Mezzetta** **Grade 8** **Town** Danbury

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Danbury	St. Gregory the Great School	Mrs. Christine Fahey	4008	PT	2	Energizing Electrolytes		
		Student(s)				Lindsay Ward	Grade 8	Town Danbury
						Olivia Halas	Grade 8	Town Danbury
Danbury	St. Joseph School	Lydia Jabbour	2003	L7	3	Baking Soda Experiment		
		Student(s)				Tatiana Amaral	Grade 7	Town Danbury
Danbury	St. Joseph School	Miss Lydia Jabbour	2538	L8	2	How does the sugar content of a banana changeover time?		
		Student(s)				Robert Fontenelli	Grade 8	Town Danbury
Danbury	St. Joseph School	Miss. Lydia Jabbour	5515	P8	2	Efficient Non-Toxic Dye-Sensitized Solar Cells		
		Student(s)				Elias Haddad	Grade 8	Town Danbury
Danbury	St. Joseph School	Lydia Jabbour	5019	P7	1	Eggceptional Geodes: An Eggsperiment		
		Student(s)				Bronwyn Hyland	Grade 7	Town New Fairfield
		* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion						
Danbury	St. Joseph School	Ms. Jabbour	2007	L7	2	The Effects of X-ray Radiation on Yeast		
		Student(s)				Conor O'Keefe	Grade 7	Town Danbury
		* Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF						
Danbury	St. Joseph School	Lydia Jabbour	1011	LT	1	Which Household or Home-Made Cleaner Best Prevents Bacteria Growth.		
		Student(s)				Matthew Riggs	Grade 8	Town Danbury
						Steven Soto	Grade 8	Town Danbury
		* Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion						
Danbury	St. Joseph School	Miss Jabbour	5561	P8	3	SINGING WINE GLASSES AND BOTTLES		
		Student(s)				Shelby Weed	Grade 8	Town Danbury
		* Connecticut Academy of Audiology --- \$150 Award MS- For Excellence in Audiology and Acoustics, opport. to shadow an audiologist						

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Danbury	St. Joseph School	Lydia Jabbour	4003	PT	2	Apple Oxidation		
		Student(s)						
		Nora Yastremski					Grade 8	Town Danbury
		Abby Giansiracusa					Grade 8	Town Danbury
Danbury	Westside Middle School Academy	Dr. Frank LaBanca	2514	L8	3	Bacteria Morphology and Concentration in yogurt		
		Student(s)						
		Jason Campisi					Grade 8	Town Danbury
		* Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner						
Danbury	Westside Middle School Academy	Jonathan Neuhausel	5531	P8	1	The Effects of Different Flours on the Breaking Point and Decomposition Rate of an Edible Spoon.		
		Student(s)						
		Sahana Chinthak					Grade 8	Town Danbury
		* Pepsico Physical Sciences Awards --- 4th Place- Physical Sciences 8th Grade Ind. - trophy						
		* CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 2nd Place Middle School - \$200 and Trophy, Medallion						
		* Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion						
		* Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion						
		* Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre						
Danbury	Westside Middle School Academy	Jonathan Neuhausel	2532	L8	2	How does the ratio of gala apple DNA to winesap apple DNA increase the speed the plants grow at?		
		Student(s)						
		Carter Densk					Grade 8	Town Danbury
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 Nehausel	5503	P8	2	Examining the impact of window moisture on the strength of a wifi signal.		
		Student(s)						
		Jordan Lema					Grade 8	Town Danbury
		* Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion						
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						

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Danbury	Westside Middle School Academy	Mr. Neuhausel	5025	P7	1	A study on soil product following bio degradation of Styrofoam by tenebrio		
			Student(s)		Cassandra Plank Pinho	Grade 7	Town	Danbury
<ul style="list-style-type: none"> * Pepsico Physical Sciences Awards --- 4th Place- Physical Sciences 7th Grade Ind. - trophy * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 3rd Place Middle School - \$100 and Trophy, Medallion * Environmental Sciences Awards with CACIWC --- 2nd Place MS- \$200, Trophy, CACIWC gifts * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion * Urban School Challenge 1st Place Middle School Awards --- USC Highest Placing 7th grader- Project Oceanology's Ocean Camp 								
Danbury	Westside Middle School Academy	Mr. Neuhausel	5538	P8	2	Creating an Affordable Homemade Meter to Measure Outdoor Levels of Carbon Dioxide		
			Student(s)		Nicholas Raslavsky	Grade 8	Town	Danbury
* NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF								
Danbury	Westside Middle School Academy	Jonathan Neuhausel	5568	P8	1	Optimizing Fin Design For Compressed Air Water Rockets		
			Student(s)		Gryffin Syme	Grade 8	Town	Danbury
<ul style="list-style-type: none"> * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Middle School Finalist - Medallion 								
Danbury	Wooster School	Shumin Guo	6011	PS	2	A Novel Approach for Assessing Alzheimer's Disease Risk through Natural Language Processing-Based Analysis of Aphasic Patterns		
			Student(s)		Daniel Michael	Grade 11	Town	Danbury
Darien	Darien High School	David Lewis	3147	LS	2	Cloning of the IRES Gene for Targeted Viral Therapy		
			Student(s)		Colin Banks	Grade 12	Town	Darien
Darien	Darien High School	Christine Leventhal	6031	PS	2	Determining the Optimal Implementation for Secure Multiparty Computation of the Logistic Function		
			Student(s)		Andrew Benz	Grade 12	Town	Darien
* Xerox Computer Science Awards --- Senior High Finalist - Medallion								
Darien	Darien High School	Guy Pratt	6094	PS	3	Analyzing the Accuracy of a Two Queue Simulation of a Polling Station in Modeling Voter Wait Times		
			Student(s)		Brendan Berrigan	Grade 12	Town	Darien

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

Darien Darien High School David Lewis
 3059 LS 3 Service Use in Autism Spectrum Disorder: Limits on and Challenges of Health Services and Service Dissatisfaction among Adults with Autism
Student(s) Claire Borecki **Grade 12** **Town** Darien

Darien Darien High School David Lewis
 3047 LS 3 The Role of Rigosertib Treatment in the Expression and Localization of RASSF1 in RASSF1 Transfected Cancer Cells
Student(s) William Brandon **Grade 12** **Town** Darien

* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR

Darien Darien High School Aruna Balasubramanian
 6035 PS 3 A Radio Transceiver-Based Wearable Device to Help Visually Impaired Users Avoid Vehicles
Student(s) Escher Campanella **Grade 12** **Town** Darien

Darien Darien High School Juri Miyamae
 3067 LS 2 Sex Determination in Ostriches Through the Foramen Magnum and Implications for Dinosaurs
Student(s) Katherine Cunningham **Grade 12** **Town** Darien

Darien Darien High School Mr. Pratt
 6009 PS 2 The Efficacy of Lichens as Bioindicators of Air Pollution
Student(s) Ariel Gianukakis **Grade 12** **Town** Darien

Darien Darien High School Guy Pratt
 3026 LS 3 Cognitive Strengths and Weaknesses of Adults with Reading Disabilities
Student(s) Catherine Gorey **Grade 12** **Town** Darien

Darien Darien High School Mrs. Leventhal
 3140 LS 3 Developing a Robust Phylogeny of Xyridaceae and Closely Related Families
Student(s) Will Granath **Grade 12** **Town** Darien

Darien Darien High School Mr. Pratt
 6072 PS 2 Finding An Efficient Scalable Gray Water Bioremediation Treatment System
Student(s) Courtney Lowe **Grade 12** **Town** Darien

* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
 * Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences
 * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Environmental Science

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Darien	Darien High School	David Lewis	3018	LS	2	IgM Expands Regulatory T Cells and Demonstrates Therapeutic Potential for Type 1 Diabetes		
Student(s) Caleigh Morr							Grade 12	Town Darien
Darien	Darien High School	Guy Pratt	6087	PS	2	Determining Salient Control Decisions of the Actuated Spring Loaded Inverted Pendulum Traversing Slippery Terrain Using a Sliding Mass Model		
Student(s) Samuel Pfrommer							Grade 12	Town Darien
Darien	Darien High School	Mr. David Lewis	3095	LS	3	The effect of elevated atmospheric carbon dioxide levels on body size in Drosophila melanogaster		
Student(s) Ari Singer-Freeman							Grade 11	Town Darien
Darien	Darien High School	Mrs. Christine Leventhal	3107	LS	3	Measuring the Effect of Stock Market Closing Prices on Performance of Incumbent or Incumbent Party Presidential Candidates (2004, 2008, & 2012 Elections) Using Time Series Analysis		
Student(s) Johnathan Stimpson							Grade 12	Town Darien
East Hartford	St. Christopher School	Dr. James Tanguay	5502	P8	2	Rusty Steel: How Acids Affect the Rate of Corrosion		
Student(s) Isaiah Albert							Grade 8	Town East Hartford
East Hartford	St. Christopher School	Dr. James Tanguay	5567	P8	2	Battery Power		
Student(s) Alexander Notis							Grade 8	Town East Hartford
Enfield	St. Martha School	Lorry Potvin	5573	P8	2	Solar Producing in the Polar		
Student(s) Matthew Emerson							Grade 8	Town Broad Brook
Fairfield	Fairfield College Preparatory School	Ms. Kiel	6525	PST	3	Energy conservation street lamp		
Student(s) Haochen He							Grade 10	Town Fairfield
Student(s) Daqin Lin							Grade 11	Town Fairfield
Student(s) Shu Guo							Grade 10	Town Fairfield

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Fairfield	Fairfield College Preparatory School	Deborah Kiel	6054	PS	2	The Application of Object Tracking in Surgery Robotics		
			Student(s)		Hanxuan Mo	Grade 12	Town	Fairfield
<ul style="list-style-type: none"> * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion * U.S. Metric Association --- Certificate & \$25 Amazon gift card given by CSEF 								
Fairfield	Fairfield College Preparatory School	Ms. Kiel	3126	LS	1	An investigation into the use of fruit peel filters to reduce the level of water contamination.		
			Student(s)		Jonathan Siveyer	Grade 12	Town	Monroe
<ul style="list-style-type: none"> * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion * Energize CT/eesmarts Future Sustainability Awards --- 2nd Place High School - \$300 Cash and Plaque * GENIUS Olympiad --- GENIUS Olympiad Competition for 2nd Place HS Future Sustainability 								
Fairfield	Fairfield College Preparatory School	Ms. Kiel	6045	PS	3	Deciphering emotions through a voice's physical characteristics		
			Student(s)		Haoxiang Zhang	Grade 11	Town	Fairfield
Fairfield	Fairfield Ludlowe High School	Mr.Mirrer	6036	PS	3	Does Industry Concentration Affect Variability of Human Capital Investment?		
			Student(s)		Srihita Mediboina	Grade 11	Town	Fairfield
Fairfield	Notre Dame Catholic High School	Kathy Almeida	3005	LS	3	Bioassay investigation of organic and chemical fertilizers with Daphnia and Tardigrades		
			Student(s)		Benjamin Clark	Grade 10	Town	Bridgeport
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
<ul style="list-style-type: none"> * 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 								
Fishers Island	Fishers Island School	Carol Gilles	3510	LST	2	Biorock: Calcium Carbonate Deposition and Oyster growth in the Fishers Island Sound		
			Student(s)		Charles Snyder	Grade 12	Town	Stonington
			Student(s)		Thaddeus Allen	Grade 12	Town	New London

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Fishers Island	Fishers Island School	Carol Giles	6039	PS	3	Bioluminescent Pyrocystis Fusiformis in a Changing Environment		
					Student(s) Caroline Toldo	Grade 11	Town Fishers Island	
Fishers Island	Fishers Island School	Carol Giles	6081	PS	3	Wine Glasses and What Affects Their Resonant Frequency		
					Student(s) Natalie Vail	Grade 11	Town Mystic	
Glastonbury	Glastonbury High School	Diane Pintavalle	6085	PS	1	Functionalization of Gold Nanoparticles with various Amino Acids under Different pH Environment		
					Student(s) Danielle Cai	Grade 11	Town Glastonbury	
* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion								
Glastonbury	Glastonbury High School	Ms. Diane Pintavalle	3121	LS	3	Enzymatic Reactions at Nanoparticle surfaces: Studying the dependence of substrate accessibility on the efficiency of enzymatic ligation		
					Student(s) Jamie Cheung	Grade 12	Town Glastonbury	
Glastonbury	Glastonbury High School	Ms. Diane Pintavalle	3035	LS	3	IDENTIFYING SMALL MOLECULE TRANSLATION SYNTHESIS PATHWAY INHIBITORS TARGETING REV1-CT PROTEIN-PROTEIN INTERACTION		
					Student(s) Samantha Chow	Grade 12	Town Glastonbury	
* Cell Analysis and Modeling Award -Center for Cell Analysis and Modeling at UCHC --- \$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center								
Glastonbury	Glastonbury High School	Pintavalle	6012	PS	2	PROPERTIES OF POTENTIAL REGULATED ION CHANNELS		
					Student(s) Thomas Ersevim	Grade 11	Town Glastonbury	
Glastonbury	Glastonbury High School	Diane Pintavalle	6069	PS	3	THE DESIGN AND SYNTHESIS OF [Ru(tBu ₃ -tpy)(5-methyl-2-(pyridin-2-yl)-4,5-dihydrooxazole)Cl]PF ₆ AND ITS EFFECT ON CO ₂ REDUCTION		
					Student(s) Tamashi Hettiarachchi	Grade 11	Town Glastonbury	
Glastonbury	Glastonbury High School	Diane Pintavalle	3069	LS	2	Effect of Regulation of Autophagy on the Hedgehog Signaling Pathway in Paget's Disease of the Bone		
					Student(s) Reshana Homma	Grade 12	Town Glastonbury	
Glastonbury	Glastonbury High School	Diane Pintavalle	6066	PS	2	Correlation of CTNNB1 Gene and Ossifying Fibroma (OF)		
					Student(s) Niyati Hora	Grade 11	Town Glastonbury	

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

Glastonbury Glastonbury High School Diane Pintavalle
 3083 LS 2 Analysis of Prey Composition in Ninespine Stickleback (*Pungitius pungitius*) Infected With Cestode Parasite (*Schistocephalus pungitii*)

Student(s) Mitchell Johnson **Grade** 11 **Town** Glastonbury

* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR

* Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum

Glastonbury Glastonbury High School Diane Pintavalle
 3023 LS 2 INTERACTION BETWEEN HDM2 AND THE UBL3 DOMAIN OF USP7

Student(s) Soham Kale **Grade** 12 **Town** Glastonbury

* Biophysical Society --- Biophysics Award- \$100

Glastonbury Glastonbury High School Diane Pintavalle
 3052 LS 2 Flu Induced Alterations In Muscle Cytokine Expression Due To Aging

Student(s) Ronak Mahatme **Grade** 12 **Town** Glastonbury

* Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion

Glastonbury Glastonbury High School Diane Pintavalle
 3042 LS 3 Genomic Analysis of Osteosarcoma to Identify Novel Key Regulatory Pathways in Tumorigenesis

Student(s) Samarth Venkata Menta **Grade** 11 **Town** Glastonbury

* Cell Analysis and Modeling Award -Center for Cell Analysis and Modeling at UCHC --- \$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center

Glastonbury Glastonbury High School Mr. Jerome Maas
 3100 LS 3 Natural antimicrobials: Alternatives to antibiotics in the control of ear infections

Student(s) Athulya Narayanan **Grade** 10 **Town** Glastonbury

* Connecticut Academy of Audiology --- \$200 Award HS- For Excellence in Audiology and Acoustics, opport. to shadow an audiologist

Glastonbury Glastonbury High School Diane Pintavalle
 3150 LS 2 A New Solution for Prevention of Symptoms of Lactose Intolerance

Student(s) Katherine Vartenigian **Grade** 12 **Town** Glastonbury

Greens Farms Greens Farms Academy Mathieu Freeman
 3050 LS 2 The Effect of Sleep Deprivation on Verbal and Visual Memory Retention in High School Adolescents

Student(s) Reed Bingham **Grade** 12 **Town** Fairfield

Greens Farms Greens Farms Academy Mathieu Freeman
 3070 LS 2 Using a 3-D printed intramuscular auto-injector to minimize costs for administering huBuChE and pharmaceutical grade drugs to counteract nerve agent poisoning

Student(s) Luke Duffy **Grade** 12 **Town** Wilton

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

Greens Farms Greens Farms Academy Mathieu Freeman
 3113 LS 2 Anticorrosive Coatings on AZ31 Magnesium Alloy to Reduce Degradation Rate for Metallic Medical Implants

Student(s) Anish Kosanam **Grade** 12 **Town** Stamford

- * U.S. Metric Association --- Certificate & \$25 Amazon gift card given by CSEF
- * American Society for Metals - Hartford Chapter --- \$100 Check

Greens Farms Greens Farms Academy Mathieu Freeman
 6061 PS 1 Comparative Study of Self-Designed Direct Access Formic Acid Fuel Cell (DFAFC) vs Hydrogen Fuel Cell

Student(s) Edward Lopez-Wortman **Grade** 12 **Town** Stamford

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion

Greens Farms Greens Farms Academy Mathew Freeman
 3136 LS 3 Improvements on design of biologically inspired modular prosthetics for general use.

Student(s) Robert Marcus **Grade** 12 **Town** New Canaan

- * Barnes Aerospace Applied Technology Awards --- 3rd Place High School - \$ 200 and Plaque, Medallion

Greens Farms Greens Farms Academy Mathieu
 6076 PS 2 Designing and Implementing a Flexible Support System for the Finger Injury Prevention in High-Impact Sports and Applications

Student(s) Charles Thompson **Grade** 12 **Town** Southport

- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

Greenwich Brunswick School Dana Montanez
 6505 PST 1 Using Piezoelectricity to Harness Energy into a Battery

Student(s) Harold Barringer **Grade** 10 **Town** Greenwich
 Thomas Foley **Grade** 10 **Town** Greenwich

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion

Greenwich Brunswick School Dana Montanez
 3513 LST 1 Analysis of Environmental Stress: The effect on Restriction Enzyme Analysis of Asterina DNA

Student(s) Chris Burdick **Grade** 11 **Town** Riverside
 Greyson Wolfram **Grade** 11 **Town** Riverside
 Matt Restieri **Grade** 11 **Town** Riverside

- * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion

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

Greenwich Brunswick School Dana Montanez
 6083 PS 2 Flow Rate vs. Hydroelectric Kilowatts Produced: A novel approach using Pelton wheels and land-based turbines in an effort to preserve surrounding ecosystems

Student(s) Edward Camel **Grade** 11 **Town** Greenwich

* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
 * Yale Science & Engineering Association, Inc. --- Certificate, \$25 gift card to Amazon given by CSEF

Greenwich Brunswick School Dana Montanez
 3525 LST 1 Methylmercury concentrations in Fish Tissue: A comparative analysis of Long Island Sound v. the Atlantic Ocean

Student(s) Alberto Delgado **Grade** 10 **Town** Riverside
 Ryan Mulshine **Grade** 10 **Town** Greenwich

* Pfizer Life Sciences Awards --- 3rd Place - Life Sciences Senior High Team - Plaque
 * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

Greenwich Brunswick School Montanez
 3040 LS 2 An Investigation of Halophilic Microbes to Bio-remediate Brine Backflow in Soil Adjacent to Hydraulic Fracking Wells

Student(s) Jack Driscoll **Grade** 11 **Town** Greenwich

Greenwich Brunswick School Dana Montanez
 6034 PS 2 The Concept of Foiling

Student(s) William George **Grade** 10 **Town** Greenwich

Greenwich Brunswick School Dana Montanez
 6502 PST 2 An Investigation of Conductive Graphene Dispersion: optimizing heat retention, water resistance, strength and durability of fabrics

Student(s) Matthew Jacobson **Grade** 11 **Town** Greenwich
 Nick Saah **Grade** 11 **Town** Darien

Greenwich Brunswick School Dana Montanez
 6102 PS 2 An Investigation of Similarities Between Light Curves of Intrinsic Variable Stars

Student(s) Thomas Kimberlin **Grade** 10 **Town** Greenwich

* Astronomical Society of Greater Hartford --- Senior Project-\$150, subscription to Sky and Telescope magazine and ASGH meeting invitation

Greenwich Brunswick School Dana Montanez
 6044 PS 3 Optimizing Efficiency of Long Distance Tube-And-Pod-Based Low Friction Transportation Systems

Student(s) Wesley Peisch **Grade** 11 **Town** Greenwich

* Xerox Computer Science Awards --- 1st Place High School - \$400, Plaque, Medallion
 * Intel Excellence in Computer Science Award --- \$200 & certificate
 * Barker Mohandas Awards for Transportation Research --- \$200 Cash & Plaque for Excellence in Transportation Related Research- High School

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

Greenwich Brunswick School Dana Montanez
 3063 LS 2 Using Electrical Current as an Antimicrobial
Student(s) Matthew Pillari **Grade** 10 **Town** Greenwich

Greenwich Brunswick School Dana Montanez
 3015 LS 2 An Investigation of Natural Alternatives to Chlorine When Treating Microbial-Contaminated Water
Student(s) Asher Porphy **Grade** 10 **Town** Harrison

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card to Amazon given by CSEF, possible advance to further competition

Greenwich Brunswick School Dana Montanez
 3056 LS 3 Cellular Cultivation Matrix Created from Collagen Found in Starfish
Student(s) Timothy Saunders **Grade** 10 **Town** New Canaan

Greenwich Brunswick School Dana Montanez
 3542 LST 1 Human fingerprints and Gecko Setae: A fusion of configurations to create a super-grip, non-slip surface
Student(s) Thacher Scannell **Grade** 11 **Town** Stamford
 Avi Mukherjee **Grade** 11 **Town** Stamford

- * Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High Team- \$500 (split) & Plaque
- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion

Greenwich Greenwich Catholic School Mrs. Lutz
 4009 PT 2 Take Cover
Student(s) Joshua DeSouza **Grade** 8 **Town** Stamford
 William Catalani **Grade** 8 **Town** Greenwich

Greenwich Greenwich Catholic School Mrs. Carol Lutz
 2012 L7 2 BITE BRIGHT a Natural Tooth Paste
Student(s) Monica Marino **Grade** 7 **Town** Riverside

- * Sister Mary Christine Life Sciences Award --- \$100 for excellence in the life sciences by a catholic middle school project
- * Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

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

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

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

Greenwich Greenwich High School Andrew Bramante
 6040 PS 1 Application of flexible PVDF nanofibrous membrane coated carbon fiber filter for tunable low cost solvent recycling

Student(s) Alex Araki **Grade 11** **Town** Greenwich

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * TurnKey Compliance Solutions Environmental Awards --- \$300 Cash Award High School- For excellence in environmental sciences

Greenwich Greenwich High School Andrew Bramante
 3032 LS 1 Crowd-Sourced Detection and Mapping of Nitrate Water Pollutants via a Mobile Web-Based Image Analysis System

Student(s) Luca Barcelo **Grade 11** **Town** Old Greenwich

- * Pfizer Life Sciences Awards --- 4th Place- Life Sciences Senior High- Plaque
- * American Society for Quality - Thames Valley Section --- \$250 Cash Award
- * Project Oceanology --- Senior-Identification guide, t-shirt, 1 week residential summer camp

Greenwich Greenwich High School Andrew Bramante
 3074 LS 1 Remediation of Beryllium Heavy Metal via Phaseolus vulgaris Hyperaccumulation

Student(s) Manuel Carballo **Grade 12** **Town** Greenwich

- * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Environmental Sciences Awards with CACIWC --- 2nd Place HS- \$200, Plaque, CACIWC gifts
- * GENIUS Olympiad --- GENIUS Olympiad Competition for 2nd Place HS Environmental Project

Greenwich Greenwich High School Andrew Bramante
 3125 LS 1 PDE-4 Inhibitor-Assisted Antibiotic Suppression of Borrelia Biofilm Growth for Treatment of Chronic Lyme

Student(s) Sophia Chow **Grade 11** **Town** Old Greenwich

- * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Alexion Biotechnology Awards --- 4th Place- Biotechnology Senior High- \$200 & plaque
- * Society for In Vitro Biology --- Certificate and \$25 Amazon gift card given by CSEF

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

Greenwich Greenwich High School Mr. Bramante
 6053 PS 2 Renewable Energy Generation of a Hybridized Saltwater Electrochemical and Hydrokinetic Energy System

Student(s) Bennett Hawley **Grade** 10 **Town** Cos Cob

- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 3rd Place- Engineering Senior High- \$300 & plaque
- * Constellation, an Exelon Company --- 1st: \$150.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Mystic Aquarium - Sea Research Foundation --- \$100 and 4 Admission Tickets to Mystic Aquarium

Greenwich Greenwich High School Andrew Bramante
 3064 LS 2 A New Precipitate Assay relating to Palladium Blood Contaminants for Early Detection of Chagas

Student(s) Manuel Lopez **Grade** 11 **Town** Riverside

- * Alexion Biotechnology Awards --- 3rd Place- Biotechnology Senior High- \$300 & plaque

Greenwich Greenwich High School Andrew Bramante
 6074 PS 3 Reliably Jammed Disk Packing: A Novel Feature of a Classic Geometry Problem

Student(s) Steven Ma **Grade** 11 **Town** Greenwich

- * People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place High School- \$100 from ATOMIC, Plaque, \$300 from People's United Bank
- * Mu Alpha Theta --- Certificate, \$25 Amazon gift card given by CSEF
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Mathematics

Greenwich Greenwich High school Andrew Bramante
 3127 LS 2 A customizable, 9DB1 Deoxyribozyme based system for the controlled production of proteins via artificial logic on the molecular scale

Student(s) Collin Marino **Grade** 10 **Town** Greenwich

Greenwich Greenwich High School Mr. Bramante
 3117 LS 1 Targeted Anticancer Properties of Honey Bee Melittin via Cell Surface Lipid Disruption

Student(s) Dante Grace Minichetti **Grade** 11 **Town** Greenwich

- * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Cell and Molecular Biology

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

Greenwich Greenwich High School Andrew Bramante

6010 PS 1 Novel Low-Temperature Carbon Capture Using Aqueous Ammonia and Organic Solvents

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

Greenwich Greenwich High School Andrew Bramante

3025 LS 2 Novel Active Immunization Approach for Preventing Substance Addiction via High Density Trypanosoma brucei Variant Surface Glycoprotein Arrays

Student(s) Adam Roitman **Grade** 12 **Town** Greenwich

Greenwich Greenwich High School Andy Bramante

6063 PS 1 Carbon Capture and Storage via Silver Nanoparticle Catalyzed Hydration of Carbon Dioxide

Student(s) Agustina Stefani **Grade** 12 **Town** Greenwich

- * Pepsico Physical Sciences Awards --- 3rd Place- Physical Sciences Senior High Individual - \$200 & Plaque
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Chemistry

Greenwich Greenwich High School Mr. Bramante

3109 LS 1 Platelet Membrane Coating Bio-interfacing of Pravastatin to Increase Removal of Arterial Plaque

Student(s) Haley Stober **Grade** 11 **Town** Old Greenwich

- * Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion

Greenwich Greenwich High School Andrew Bramante

3010 LS 1 Rapid Colorimetric Field Monitoring System for Zika Virus in Mosquito Populations via DNAzyme-Functionalized Gold Nanoparticles

Student(s) Rahul Subramaniam **Grade** 10 **Town** Cos Cob

- * Pfizer Life Sciences Awards --- 5th Place- Life Sciences Senior High- Plaque
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion
- * Bob Harris Fix It Award --- \$75 and Certificate for ingenuity in using material and tools

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

3086	LS	1	Detection of Premalignant Pancreatic Cancer via Computational Analysis of Serum Proteomic Profiles					
Student(s)			Shobhita Sundaram		Grade 11		Town Greenwich	

- * Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High- \$500 & Plaque, Trip to compete at Intel ISEF
- * People's United Bank Mathematics Awards - with ATOMIC --- 1st Place High School- \$150 from ATOMIC, Plaque, \$500 from People's United Bank
- * Xerox Computer Science Awards --- 2nd Place High School - \$300, Plaque, Medallion
- * H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Life Sci. Senior 1st HS- \$1,000, Solid Silver Medal of Excellence, invite to CASE Annual Mtg
- * American Meteorological Society --- Certificate & \$25 Amazon gift card given by CSEF
- * Intel Excellence in Computer Science Award --- \$200 & certificate
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Computer Science

Greenwich Greenwich High School Mr. Andrew Bramante

6033	PS	2	A Novel N-Doped Carbon Nanotube/Copper Electrode for the Reduction of CO2 to Biofuel					
Student(s)			Michelle Woo		Grade 11		Town Riverside	

- * Energize CT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 Cash and Plaque,
- * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion
- * The Connecticut Technology Council Young Woman Innovation Award --- \$150 Cash Award for Technological Innovation
- * GENIUS Olympiad --- GENIUS Olympiad Competition for 2nd Place HS Alternative/Renewable Energy Project

Greenwich Greenwich High School Andrew Bramante

6015	PS	1	Development of a CNT/ZnO/TiO2 membrane for visible-light induced photocatalytic filtration of water-borne organic and bacterial pollutants					
Student(s)			Michelle Xiong		Grade 11		Town Riverside	

- * Pepsico Physical Sciences Awards --- 5th Place- Physical Sciences Senior High Individual - Plaque
- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion
- * Alexion Biotechnology Awards --- 1st Place- Biotechnology Senior High- Trip to compete at Intel ISEF, \$1000 & plaque,
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card to Amazon given by CSEF, possible advance to further competition
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * Coherent, Inc. Richard Hart Award for Excellence in Photonics --- \$300 cash, plaque, invitation to lunch and tour Coherent factory

Greenwich Greenwich High School Mr. Andy Bramante

3060	LS	2	Cost-Effective, Portable Paper-Based Diagnosis of Alzheimer's Disease: Targeting Aβ Oligomers Using Curcumin-PLGA-Ceria Nanoconjugates as Artificial Biomarkers					
Student(s)			William Yin		Grade 12		Town Riverside	

- * UTC Aerospace Systems Awards for Excellence in Engineering --- 5th Place- Engineering Senior High- \$100 & plaque
- * Alexion Biotechnology Awards --- 5th Place- Biotechnology Senior High- \$100 & plaque

Conn. Science & Engineering Fair

Winning Projects

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

Groton Sacred Heart School Larry Fitzgerald
 5022 P7 3 Strength of Electromagnets
Student(s) Samuel Hammond **Grade 7** **Town** New London

* UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering 7th grade - CSF Medallion

Groton Sacred Heart School Mrs. Logan / Mr. Fitzgerald
 2031 L7 2 WHICH HEALTHY SNACK HAS THE MOST DNA?
Student(s) Hannah Langer **Grade 7** **Town** Groton

Groton Sacred Heart School Larry Fitzgerald, Principal
 5536 P8 2 INDUCED LEVITATION AND MOVEMENT APPLYING LENZ'S LAW
Student(s) Michael Luzzio **Grade 8** **Town** Groton

* UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering 8th grade - CSF Medallion
 * IEEE, Connecticut Section --- \$100 Honorable Mention
 * Barker Mohandas Awards for Transportation Research --- \$100 Cash & Plaque for Excellence in Transportation Related Research- Middle School
 * Bob Harris Fix It Award --- \$75 and Certificate for ingenuity in using material and tools

Groton Sacred Heart School Dennis Pelletier
 2027 L7 2 The Effect of an Acidic Environment on Flower Seed Germination
Student(s) Rory Pelletier **Grade 7** **Town** Gales Ferry

Groton Sacred Heart School Mrs. Rosha
 5011 P7 3 Bombs
Student(s) Emma Reilly **Grade 7** **Town** Gales Ferry

Groton Sacred Heart School Kelli Hammond
 5566 P8 3 Stains Away!
Student(s) Ariana Timmerman **Grade 8** **Town** Groton

Hamden Hamden High School Mr. Danny Martins
 3119 LS 2 PAD4 Inhibition: A Novel Treatment for Rheumatoid Arthritis
Student(s) Akshar Agarwal **Grade 10** **Town** Hamden

Hamden Hamden High School Sophia Michalatos
 3149 LS 1 Permanent Inactivation of the HIV Provirus via CRISPR Gene-Editing
Student(s) Aakshi Agarwal **Grade 12** **Town** Hamden

* Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
 * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 3rd Place High School - \$ 300 and Plaque, Medallion

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

Hamden Hamden High School Sophia Michalatos
 3092 LS 3 Caffeine's Effect on Anxiety in Teens
Student(s) Zoe Bassett **Grade** 10 **Town** Hamden

* American Psychological Association --- Certificate, \$25 gift card to Amazon given by CSEF

Hamden Hamden High School Sophia Michalatos
 3134 LS 3 The Effect of Music on Reading Comprehension and Mathematical Calculations
Student(s) Linnea Sirch **Grade** 10 **Town** Hamden

Hamden Hamden High School Sophia Michalatos
 3028 LS 2 The Future of Bio-Sand Filtration Systems: The Incorporation of Water Hyacinths (Eicchornia Crassipes) To Remove Arsenic in Contaminated Drinking Water
Student(s) Rockib Uddin **Grade** 12 **Town** Hamden

Hamden Hamden Middle School Michelle DeLucia
 5545 P8 1 Constructing a CoreXY Dual Extrusion Fused Filament Fabrication Apparatus
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

Hamden Hamden Middle School Daniel Sgrigneri
 5524 P8 2 Oobleck
Student(s) Christina Macci **Grade** 8 **Town** Hamden

Hamden Sacred Heart Academy Elizabeth Christophy
 6065 PS 3 The Impact of Methyl Ester in Oil on Swimsuit Speed
Student(s) Katie Gray **Grade** 10 **Town** Oxford

Hamden Sacred Heart Academy Elizabeth Christophy
 6067 PS 1 Computer-Aided Bleeding Detection in Wireless Capsule Endoscopy Images Using Deep Convolutional Neural Networks
Student(s) Eunji Lee **Grade** 11 **Town** Trumbull

- * Pepsico Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Individual - \$300 & Plaque, trip to compete at Intel ISEF
- * People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion
- * Xerox Computer Science Awards --- 3rd Place High School- \$200, Plaque, Medallion
- * Intel Excellence in Computer Science Award --- \$200 & certificate
- * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software - For Excellence in Mathematics

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Hamden	Sacred Heart Academy	Mrs. Nelson	3148	LS	3	An Athlete's Guide to Picking a Marker to Write on Their Skin with		
						Student(s) Brisa Mendoza	Grade 9	Town Hamden
Hamden	Sacred Heart Academy	Mrs. Susan Nelson	3108	LS	2	Heat from Global Warming Affecting Bioluminescence in Pyrocystis fusiformis		
						Student(s) Julianna Milidantri	Grade 9	Town Durham
						* Sister Mary Christine Life Sciences Award --- \$150 for excellence in the life sciences by a catholic high school project		
						* Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum		
Hamden	Sacred Heart Academy	Dr. Sibani Sengupta	3142	LS	2	Adherence Rates of Escherichia coli to Mono-filament, Multi-filament, and Barbed Sutures		
						Student(s) Adalyn Schommer	Grade 9	Town Cheshire
						* Society for In Vitro Biology --- Certificate and \$25 Amazon gift card given by CSEF		
Hamden	Sacred Heart Academy	Dr. Sengupta	3024	LS	2	The Effects of Blue Light Technology on the Circadian Rhythms of Adolescents		
						Student(s) Amy Ziobron	Grade 11	Town Cheshire
Hartford	Environmental Sciences Magnet School at Mary	Becca Hays	2009	L7	3	Don't Get Hooked!		
						Student(s) Noel Carrasquillo	Grade 7	Town New Britain
Hartford	Environmental Sciences Magnet School at Mary	Rebecca Hays	1005	LT	2	Vulnerability of a Human's Internal Rhythm		
						Student(s) Alennie Cosme	Grade 8	Town Hartford
						Keegan Miller	Grade 8	Town Bristol
Hartford	Environmental Sciences Magnet School at Mary	Rebecca Pearson Hays	2020	L7	2	pH Filtered Mussels		
						Student(s) Nathan Hockley	Grade 7	Town Burlington
						* CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Middle School Finalist - Medallion		
Hartford	Environmental Sciences Magnet School at Mary	Kirsten Devlin	2013	L7	3	how age affects memory		
						Student(s) Shakiara Levest	Grade 7	Town Hartford
Hartford	Environmental Sciences Magnet School at Mary	Rebecca Hays	2519	L8	3	Is That Enough Salt for You?		
						Student(s) Adela Lopez	Grade 8	Town Hartford

Conn. Science & Engineering Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Hartford	Environmental Sciences Magnet School at Mary	Rebecca Hays	2534	L8	1	The Effects of Food on Breeding Xiphophorus Helleirii		
Student(s) Natalie Reeves					Grade 8	Town Southington		
* Pfizer Life Sciences Awards --- 5th Place- Life Sciences 8th grade- trophy * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 4th Place Middle School - Trophy, Medallion * Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum								
Hartford	Environmental Sciences Magnet School at Mary	Kirsten Devlin	2501	L8	2	Hydroponics: Floating or Flowing?		
Student(s) Connor Rego					Grade 8	Town Winsted		
* Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion								
Hartford	Environmental Sciences Magnet School at Mary	Kirsten Devlin	2002	L7	3	How many bacteria are on door knobs?		
Student(s) Yanayra Rosa					Grade 7	Town Newington		
Hartford	Environmental Sciences Magnet School at Mary	Mr. Clark	2509	L8	2	Growin' in the Wind		
Student(s) Tyler Schloss					Grade 8	Town Cromwell		
Hartford	Prince Technical High School	Paula Butterfield	3539	LST	3	Passive Solar Heating		
Student(s) Zukora Burke					Grade 10	Town Hartford		
Fernanda Hernandez					Grade 10	Town Hartford		
Hartford	Prince Technical High School	Marie Ditaranto	6503	PST	3	Bamboo brick		
Student(s) Mariely Rodriguez					Grade 10	Town Hartford		
Jeremy Montalvo					Grade 10	Town Hartford		

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

Kensington St. Paul School Miss Michalak

5031	P7	2	The Unspillable Table Setting					
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Student(s) Meaghan Bertolami **Grade 7** **Town** Berlin

Kensington St. Paul School Ms. Michalak

5012	P7	2	It is Rocket Science					
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Student(s) Jack Szeghy **Grade 7** **Town** Southington

- * American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate

Kensington St. Paul School Ms. Michalak

5551	P8	3	Hot Socks					
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Student(s) MacKenzie Van Buren **Grade 8** **Town** New Britain

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

Lakeville The Hotchkiss School Richard Kyung

6030 PS 2 A New Fast Algorithm for Finding Eigenvalues in Vibrating Structures

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

Madison Daniel Hand High School Madhuparna Roychoudhury

6025 PS 2 Capturing and Converting CO2 to High Value Chemicals via Renewable Energy

Student(s) Ankita Roychoudhury **Grade** 12 **Town** Madison

Madison Walter Polson Middle School Anna Chang

5571 P8 2 Multi-color CCD photometry of the variable star Delta Cephei using a home-built six inch reflecting telescope

Student(s) Aimee Chang **Grade** 8 **Town** Madison

- * Astronomical Society of Greater Hartford --- Junior Project-\$100, subscription to Sky and Telescope magazine and ASGH meeting invitation

Meriden ACES Thomas Edison Middle School Todd Solli

4014 PT 3 Fats In Cooking Oils

Student(s) Ariana Alston **Grade** 7 **Town** Meriden
 Selena Galvan **Grade** 7 **Town** Meriden

- * Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion
- * Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner

Meriden ACES Thomas Edison Middle School Todd Solli

4017 PT 3 The Heat Is On!

Student(s) Adriana Aponte **Grade** 8 **Town** Meriden
 Majda Adnane **Grade** 8 **Town** Meriden

Meriden ACES Thomas Edison Middle School Todd Solli

5554 P8 2 The Relationship Between Aerodynamic Shape and Wind Drag

Student(s) Kaya Cook **Grade** 8 **Town** Middletown

- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Middle School Finalist - Medallion
- * Constellation, an Exelon Company --- 2nd: \$50.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy
- * Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Junior Physics & teeshirt

Meriden ACES Thomas Edison Middle School Todd Solli

2541 L8 3 Well Water vs Tap Water and its Effect on Plant Growth

Student(s) Shontai Cross **Grade** 8 **Town** Meriden

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Meriden	ACES Thomas Edison Middle School	Todd Solli	4005	PT	3	Paper Towel Strength		
						Student(s) Tyler Curtiss		Grade 8 Town Middletown
						Garrett Kronenberger		Grade 8 Town Middletown
Meriden	ACES Thomas Edison Middle School	Todd Solli	4011	PT	1	To Sensor or Not to Sensor.		
						Student(s) Madison Ehmka		Grade 8 Town Meriden
						Chloe DiChello		Grade 8 Town Meriden
* Pepsico Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion								
Meriden	ACES Thomas Edison Middle School	Todd Solli	5005	P7	3	Gravity and Air Resistance		
						Student(s) Nicole Grabinski		Grade 7 Town Middletown
Meriden	ACES Thomas Edison Middle School	Todd Solli	1014	LT	1	Extracting DNA from fruit		
						Student(s) Brianna Oliveras		Grade 8 Town Meriden
						Mikaela Mitchell		Grade 8 Town Meriden
* Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion								
Meriden	ACES Thomas Edison Middle School	Todd Solli	1007	LT	3	Dancing Plants		
						Student(s) Dominic Ponce		Grade 8 Town Meriden
						Elyssa West		Grade 8 Town Meriden
Meriden	ACES Thomas Edison Middle School	Todd Solli	2035	L7	3	Meat Eater		
						Student(s) Loren Tuck		Grade 7 Town Waterbury
Meriden	St. Joseph School	Mr. Tim Coleman	5550	P8	3	Suspense of the Popcorn		
						Student(s) Natalie Camera		Grade 8 Town Meriden
Meriden	St. Joseph School	Tim Coleman	2015	L7	2	Secret Life of Trees on Sweet Birch Dr.		
						Student(s) Dylan Gay		Grade 7 Town Meriden
* NYUC Pony Club Equine Award --- \$100 Cash Award or excellence in field studies								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Meriden	St. Joseph School	Mr. Coleman	5512	P8	3	What water bottle brand will keep water the coolest.		
					Student(s)	Khalia Hunt	Grade 8	Town Meriden
* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF								
Meriden	St. Joseph School	Mr. Coleman	5526	P8	3	Getting the most out of your batter		
					Student(s)	colin Ivers	Grade 8	Town Meriden
Meriden	St. Joseph School	Timothy Coleman	5036	P7	1	What kind of water is the purest?		
					Student(s)	Ryan Killeen	Grade 7	Town Meriden
* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion								
Meriden	St. Joseph School	Mr. Timoty Coleman	5021	P7	2	Greasy Times and Triple Enzymes		
					Student(s)	Jake Ryder	Grade 7	Town Meriden
Middlebury	Memorial Middle School	Allyson Debe	2531	L8	3	Does Intra-articular Hip Steroid Injection Increase The Rate of Infection With Subsequent Total Hip Replacement Surgery?		
					Student(s)	Alexander Kennon	Grade 8	Town Middlebury
* American Meteorological Society --- Certificate & \$25 Amazon gift card given by CSEF								
Milford	Platt Technical High School	Mrs. Hart	6522	PST	3	Project W- Domestic water recovery system		
					Student(s)	Christian Haupt	Grade 10	Town West Haven
						Christian Ramos	Grade 10	Town Stratford
* Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Sustainability								
Monroe	St. Jude School	Mrs. Shea	2008	L7	2	What Level of Acidity Is Best for Growing Simple Plants?		
					Student(s)	Mia Sadlouskos	Grade 7	Town Monroe
Monroe	St. Jude School	Mrs. Shea	5518	P8	3	Magnetic Power		
					Student(s)	Francesco Thomas	Grade 8	Town Monroe
* Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion								

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

New Britain CREC Academy of Science and Innovation Peter Wik
 6101 PS 2 Producing bioethanol from cellulose
Student(s) Hardhik Kummamuru **Grade** 10 **Town** Windsor Locks

New Britain Goodwin Technical High School Steve Donaghy
 6528 PST 2 Solar powered survival Jacket with a organic type battery back up. to recharge or power a cell phone or LED lights.
Student(s) Daniel Garcia **Grade** 10 **Town** New Britain
 Juan Ospina **Grade** 10 **Town** New Britain
 Daneirys Rivera **Grade** 10 **Town** Bristol

* Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion

New Britain Goodwin Technical High School Mr.Menard
 6524 PST 3 The LD T.E.P System
Student(s) Dante Marrone **Grade** 10 **Town** Bristol
 Lukas Schneider **Grade** 10 **Town** Farmington

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 Canaan St. Aloysius School Mrs. Phillips
 4002 PT 2 Future of Filtration
Student(s) Molly McAndrew **Grade** 8 **Town** Stamford
 Veronica Butler **Grade** 8 **Town** South Salem
 Helen Mahoney **Grade** 8 **Town** Stamford

New Haven Bruder Homeschool John Bruder
 6051 PS 2 Design, build, and code a cellular/WiFi enabled smart thermostat using a microcontroller and a custom Android app to increase energy efficiency for homes and workplaces.
Student(s) Ben Bruder **Grade** 10 **Town** New Haven

* Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion
 * ASU Walton Sustainability Solutions Inititatives --- Certificate-Nomination to Compete in 2018 Sustainability Solutions Festival and \$25 Gift Card
 * Zepke Award --- \$200 - For the Best Use of Electronic Circuitry
 * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Engineering: Electrical

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

New Haven Engineering Science University Magnet School Rodger Rushworth

5541 P8 2 How To Make A Water Filter That Will Be More Efficient

Student(s) Shankara Abbineni **Grade 8** **Town** Milford

New Haven Engineering Science University Magnet School Roger Rushworth

6097 PS 2 Developing a Novel Energy Harvesting Device using Paint-on Fabrication Techniques with Mosz and use of Discardable Materials

Student(s) Arya Bairat **Grade 9** **Town** Milford

- * Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion
- * ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2018 Sustainability Solutions Festival and \$25 Gift Card
- * IEEE, Connecticut Section --- \$250 Honors Award -Senior

New Haven Engineering Science University Magnet School Roger Rushworth

2503 L8 2 Sodium Polyacrylate's affect on plant growth

Student(s) Akash Cheela **Grade 8** **Town** Milford

New Haven Engineering Science University Magnet School Roger Rushworth

2510 L8 2 How do Different Types of Street Lights Impact Our Environment and What is the Safest Way to Illuminate Our Streets?

Student(s) Eva Heaphy **Grade 8** **Town** New Haven

- * Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion
- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF
- * Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum
- * Environmental/ Energy Award- Urban Public School Award --- \$100 Award for top environmental or alternative energy project from a New Haven public school

New Haven Engineering Science University Magnet School Roger Rushworth

3533 LST 1 A Novel Approach Using Biochar in Sand Reactors to Accelerate Biodegradation of Naphthenic Acids in the Process of Bitumen Extraction via Oil Sands

Student(s) Sumanth Kondapalli **Grade 10** **Town** Milford
 Tirth Patel **Grade 11** **Town** New Haven

- * Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High Team- \$300 (split) & Plaque
- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Senior High Finalist - Medallion
- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

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

New Haven Engineering Science University Magnet School Heather Toothaker

6005	PS	1	A Novel Rapid Diagnostic Test for Zika Virus NS1 Protein using Nanoribbon Microfluidics
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Student(s) Lauren Low **Grade** 12 **Town** Hamden

- * Pepsico Physical Sciences Awards --- 4th Place- Physical Sciences Senior High Individual - Plaque
- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Senior High Finalist - Medallion
- * Barnes Aerospace Applied Technology Awards --- 1st Place High School - \$500 and Plaque, Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 2nd Place- Engineering Senior High- \$500 & plaque
- * Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$250 cash
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Arthur Mensing Award --- \$1000 cash award for excellence in the physical sciences

New Haven Engineering Science University Magnet School Roger Rushworth

3114	LS	3	A Novel Study on the Membrane Interactions of Bovine Alpha-Lactalbumin and Oleic Acid Complex on Tumor Cells to Induce Lysosomal Cell Apoptosis
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Student(s) Prastik Mohanraj **Grade** 10 **Town** Ansonia

- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 5th Place High School - Plaque, Medallion

New Haven Engineering Science University Magnet School Roger Rushworth

2528	L8	1	The affect of Roundup on GMO plants versus wild grown plants
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Student(s) Rachna Vipparla **Grade** 8 **Town** Milford

- * Pfizer Life Sciences Awards --- 4th Place- Life Sciences 8th grade- trophy

New Haven St. Aedan-St. Brendan School Michael Celentano

2019	L7	3	Rethink your drink
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Student(s) Aaron Brogdon-Hill **Grade** 7 **Town** New Haven

- * Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion

New Haven Wilbur Cross High School Charlene Woodland

3013	LS	1	Formulation of Gelatin-Hyaluronic Acid Blend Cross-Linked Gels for Potential Tissue Applications: Cost-Effective, Patient Specific, Alternative Treatment of Labral Tears of the Hip
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Student(s) Sophie Edelstein **Grade** 10 **Town** New Haven

- * Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High- \$300 & Plaque, Trip to compete at Intel ISEF
- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 4th Place High School - Plaque, Medallion
- * UTC Aerospace Systems Awards for Excellence in Engineering --- 1st Place- Engineering Senior High- Trip to compete at Intel ISEF, \$500 & plaque,
- * Alexion Biotechnology Awards --- 2nd Place- Biotechnology Senior High- \$500 & plaque
- * Otero Family Award --- The Otero Family Award; \$200 cash
- * Lunch with a Patent Attorney --- Lunch with a Patent Attorney
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Biochemistry

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
New Haven	Wilbur Cross High School	Prof. Joshua Gendron	3151	LS	1	A study of circadian genetics and abiotic stress towards sustainable agriculture		
					Student(s) Maya Geradi	Grade 11	Town New Haven	
<ul style="list-style-type: none"> * Pfizer Life Sciences Awards --- 3rd Place- Life Sciences Senior High- \$200 & Plaque * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- 1st Place High School - \$500 and Plaque, Medallion and trip to compete at Intel Int. Sci. & Eng. Fair * H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Urban School Challenge 1st HS- \$1,000, Silver Medal of Excellence, Invite to CASE Annual Mtg & \$500 cash award to School Science Department for equipment/supplies * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Microbiology * Connecticut Nurserymen's Foundation, Inc. --- \$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting 								
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	
<ul style="list-style-type: none"> * 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 								
New Haven	Worthington Hooker Middle School	Mr. Jones	2034	L7	2	Accelerating Plant Growth		
					Student(s) James Fields	Grade 7	Town New Haven	
New Haven	Worthington Hooker Middle School	Mr. Jones	2037	L7	1	Earth, Water, Flora: Reducing Soil Erosion		
					Student(s) Alena Gutierrez	Grade 7	Town New Haven	
<ul style="list-style-type: none"> * Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion 								
New Haven	Worthington Hooker Middle School	Douglas Jones	5556	P8	3	A Change In the Winds		
					Student(s) Taivan Jargalan	Grade 8	Town New Haven	
New Haven	Worthington Hooker Middle School	Douglas Jones	5549	P8	2	Great Balls of Fire Astrophotography Experiments		
					Student(s) Alexandra Northrup	Grade 8	Town New Haven	
New Haven	Worthington Hooker Middle School	Douglas Jones	5533	P8	3	The Best Conductor		
					Student(s) Lily Walton	Grade 8	Town New Haven	

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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New London	Science and Technology Magnet HS	David Brown	3123	LS	2	Bacterial Analysis of Kefir Products		
Student(s) Yasmin Aguilar						Grade 11	Town New London	

* Institute of Food Technologists, Nutmeg Section --- \$100 award + invitation to dinner

New London	Science and Technology Magnet HS	Charles Mulligan	3537	LST	3	The Effects of Different Fertilizer Levels on the Development and Chlorophyll Density in Solanum Lycopersicum var. Cerasiforme (Cherry Tomato).		
Student(s) Leon Bolle						Grade 12	Town Groton	
Aries Santiago						Grade 11	Town New London	

New London	Science and Technology Magnet HS	Charles Mulligan	6519	PST	2	The Optimization of a Polycrystalline and Monocrystalline Solar Cell through Effective Cooling in the Form of a Heatsink Transfer System		
Student(s) John Burnett						Grade 11	Town Ledyard	
Austin Huang						Grade 11	Town Uncasville	

* Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion

* Constellation, an Exelon Company --- 2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy

New London	Science and Technology Magnet HS	Charles Mulligan	3049	LS	3	The Effect of Time on Bacteria Growth on Books		
Student(s) Aidan Desjardins						Grade 10	Town Stonington	

New London	Science and Technology Magnet HS	Charles Mulligan	6007	PS	3	Harnessing Magnetic Motion to Generate Energy		
Student(s) Sean Flynn						Grade 11	Town Waterford	

New London	Science and Technology Magnet HS	David Brown	3133	LS	3	The Effect of Sun vs. Shade on the Decomposition Rate of Meat Through Carbon Dioxide Levels		
Student(s) Sydney Ford						Grade 11	Town Taftville	

New London	Science and Technology Magnet HS	Mr. Mulligan	3103	LS	2	Implicating the Tolerance of Glyphosate on Artemisia Vulgaris		
Student(s) Tori Johnston						Grade 11	Town Waterford	

* Banning Family Life Science Award --- For excellence in invasive species research, \$100 cash

New London	Science and Technology Magnet HS	Charles Mulligan	6016	PS	2	Ideal Printing Conditions for Fused Deposition Modeling with ABS Filament		
Student(s) Jacqueline Kral						Grade 12	Town Lisbon	

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
New London	Science and Technology Magnet HS	Charles Mulligan	3087	LS	3	The Effect of a Known Allelopathic Chemicals (Juglone) on Coastal Marine Chlorophytes		
Student(s) Renandy Ledoux							Grade 10	Town New London
New London	Science and Technology Magnet HS	Mr. Brown	3505	LST	3	The survivability of the salt marsh <i>Melampus bidentatus</i> snails		
Student(s) Giselle Malloy							Grade 11	Town New London
Trent Matteau							Grade 11	Town Ledyard
New London	Science and Technology Magnet HS	Mr. Mulligan	3541	LST	3	The Effect Half and Full Day Illumination Periods Have On Aquaponical and Conventional Methods		
Student(s) Xaryia Melendez							Grade 10	Town Colchester
Bria Fielding							Grade 10	Town New London
* Connecticut Science Supervisors Association --- \$125 for a high school project								
New London	Science and Technology Magnet HS	Mr. Mulligan	3054	LS	3	Effects of bromelain on raw ground beef.		
Student(s) Jack Nye							Grade 10	Town Lisbon
New London	Science and Technology Magnet HS	Charles Mulligan	3081	LS	2	Effectiveness of American Beach Grass Restoration		
Student(s) Tessa Rock							Grade 11	Town New London
* Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion								
* The Goodwin-Niering Center for the Environment --- \$100 for "Excellence in Environmental Conservation Studies"								
* Alumni Botany Awards --- Alumni High School Botany Award- \$100 Cash								
* Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum								
New London	Science and Technology Magnet HS	Charles Mulligan	3046	LS	3	Effective Nutrient Source on Growth of Mint Lettuce		
Student(s) K.D. Spencer Roman							Grade 10	Town New London
New London	Science and Technology Magnet HS	charles mulligan	3516	LST	2	The effects of salinity on marsh grass		
Student(s) Efrain Santiago III							Grade 12	Town New London
Aimee Riddick							Grade 12	Town New London
New London	Science and Technology Magnet HS	Charles Mulligan	3128	LS	3	The Effect of Culturing Conditions on Lipid Production in Marine Microalgae		
Student(s) Chloe Sherman-Watson							Grade 12	Town New London

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
New London	Science and Technology Magnet HS	Mr. Mulligan	3034	LS	3	What is the Effect of Different Concentrations of Salinity on the Growth of Grass?		
					Student(s)	Morgan Slusarz	Grade 10	Town Connecticut
New London	Science and Technology Magnet HS	Charles Mulligan	6508	PST	1	Role of Ambient Environmental Chemical Composition in the Creation of Precursors to Life		
					Student(s)	Thomas Statchen	Grade 10	Town Stonington
						Zack Skrabacz	Grade 10	Town New London
* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion								
New London	St. Joseph School	Amanda Lakowsky	5522	P8	3	Tidal Times		
					Student(s)	Martin Arvidson	Grade 8	Town New London
New London	St. Joseph School	Tamara Hower	5020	P7	3	What's Your Boiling Point?		
					Student(s)	Isabella Pero	Grade 7	Town New London
New London	St. Joseph School	Tamara Howes	5033	P7	3	The IRON-ic Truth About Cereal		
					Student(s)	Liam Peters	Grade 7	Town East Lyme
New London	St. Joseph School	Ms. Lakowsky	5553	P8	3	Fruits vs Vegetables		
					Student(s)	Samantha Salas	Grade 8	Town New London
New Milford	New Milford High School	Brad Jones	6512	PST	2	The U-Desk		
					Student(s)	Matthew Adamou	Grade 12	Town New Milford
						Thomas Schneider	Grade 12	Town New Milford
New Milford	New Milford High School	Brad Jones	6507	PST	3	Tail-Pipe Turbine		
					Student(s)	Cesar Gavilano	Grade 12	Town New Milford
						Kurt Jonke	Grade 12	Town New Milford

Conn. Science & Engineering Fair

Winning Projects

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

Newtown St. Rose of Lima School John Dalton
 2028 L7 2 THE INVESTIGATION OF ACIDITY ON ZEBRA MUSSEL SHELLS
 DRIESSENA POLYMORPHA

Student(s) Katerina Crowe **Grade 7** **Town** Southbury

* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF

Newtown St. Rose of Lima School John Dalton
 2001 L7 1 The Effect of Petroleum Products on the Growth of Ramshorn Snails (Planorbis Rebrum)

Student(s) Gregory Gargano **Grade 7** **Town** Sandy Hook

* Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion
 * Alexion Biotechnology Awards --- 5th Place- Biotechnology 7th grade- trophy
 * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF

Newtown St. Rose of Lima School Mr Dalton
 5017 P7 1 Bisphenol A content in BPA free water bottles, canned food items, children's plastic connectable beads
 and plastic pen caps

Student(s) Irena Komninakas **Grade 7** **Town** Shelton

* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion

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

Norwalk Roton Middle School Stephanie Tom
 4016 PT 3 How Does Temperature Affect the Elasticity of Rubber Bands?

Student(s) Juan Urresta **Grade 7** **Town** Norwalk
 Max Ginsberg **Grade 7** **Town** Norwalk

Norwich Norwich Technical High School Lisa Elliott
 3144 LS 3 Gender Identity Disorder

Student(s) Arkady Bibeau **Grade 12** **Town** Lebanon

Norwich Norwich Technical High School Lisa Elliott
 3501 LST 2 Depressions Not A Choice, End The Stigma

Student(s) Brittany Cassidy **Grade 12** **Town** Norwich
 Faith Stimson **Grade 12** **Town** Moosup

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Norwich	Norwich Technical High School	Aleatha Palloni	3514	LST	3	The Effect of Livestock Supplements on Soil Microbes		
		Student(s)						
		Ashley Czech					Grade 10	Town colchester
		Gabrielle Martin					Grade 10	Town North Stonington
Norwich	Norwich Technical High School	Dr. Jesse Morin	3508	LST	2	Investigation of the Tenascin-X Protein and its Role in Ehlers-Danlos Syndrome		
		Student(s)						
		Brianna Dziekan					Grade 11	Town Baltic
		Athena Missios					Grade 11	Town Uncasville
Norwich	Norwich Technical High School	Lisa Elliott	3535	LST	2	Stomping the Stigma of Schizophrenia		
		Student(s)						
		Kimaela Estelan					Grade 12	Town Norwich
		Anjoli Kamuda					Grade 12	Town oakdale
Norwich	Norwich Technical High School	Aleatha Pelloni	3511	LST	2	The Effect of Enzyme Treatment on Soil Bacterial Growth		
		Student(s)						
		Samantha Grott					Grade 10	Town Bozrah
		Hailey Bill					Grade 10	Town Baltic
		Emerald Haller					Grade 10	Town Preston
Norwich	Norwich Technical High School	Lisa Elliott	3503	LST	2	Panic Disorder		
		Student(s)						
		Miranda Marriott					Grade 12	Town Griswold
		Neely Henderson					Grade 12	Town Oakdale
Norwich	Norwich Technical High school	Lisa Elliott	3538	LST	2	PTSD Stigma in Veterans		
		Student(s)						
		Zachariah Meuse					Grade 12	Town Ledyard
		Owen Reynolds					Grade 12	Town Uncasville
Norwich	Norwich Technical High School	Jesse Morin	3532	LST	2	The construction of an LCHAD Deficiency Model System and tagging of the HADHA enzyme using C. elegans		
		Student(s)						
		Courtney Michaud					Grade 11	Town Norwich
		Kyle Tempesta					Grade 11	Town Uncasville

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Norwich	Norwich Technical High School	Aleatha Pelloni	3523	LST	2	The Effect of Different Solid Medias on the Amount of Antibiotic-Producing Bacteria Isolated from Soil Samples		
		Student(s) Nathanael Padgett					Grade 10	Town Lebanon
		Edward Russell					Grade 10	Town Colchester
Norwich	Norwich Technical High School	Dr. Jesse MORin	3031	LS	2	The Effect of Bezafibrate Treatment on a Drosophila melanogaster Model of LCHAD Deficiency		
		Student(s) Christopher Papotto					Grade 11	Town Colchester
Norwich	Norwich Technical High School	Lisa Elliott	3526	LST	2	Changing Attitudes Towards Panic Disorders		
		Student(s) Ashley Roch					Grade 12	Town Gales Ferry
		Qameron Mendez-Neff					Grade 12	Town Quaker Hill
Norwich	Norwich Technical High School	Dr.Morin	3139	LS	3	Does the bacteria in the Drosophila melanogaster gut affect the severity of Type 2 Diabetes symptoms?		
		Student(s) Gianpierre Roche					Grade 11	Town Willimantic
Norwich	Norwich Technical High School	Jesse Morin	3517	LST	3	Testing Drosophila melanogaster Flies as a Model to Study Alcohol Addiction		
		Student(s) Kassidy Stackpole					Grade 11	Town Uncasville
		Travis Nordgren					Grade 11	Town Griswold
Norwich	Norwich Technical High School	Dr. Jesse Morin	3096	LS	2	The Effect of Mutations on C. elegans Resistance to Intoxication		
		Student(s) Ryan Stollman					Grade 11	Town Colchester
Norwich	Norwich Technical High School	Mrs. Pelloni	3521	LST	2	The Effects of Fertilizers on Soil Bacteria		
		Student(s) Aaron Toof					Grade 10	Town Voluntown
		John Coleman					Grade 10	Town Norwich
Norwich	Norwich Technical High School	Lisa Elliott	3506	LST	2	Exploration of Intermittent Explosive Disorder and Stigmas		
		Student(s) Alexis Verrette					Grade 12	Town Danielson
		Krystal Reyes					Grade 12	Town Norwich

Conn. Science & Engineering Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Norwich	Norwich Technical High School	Aleatha Pelloni	3529	LST	2	The Effect of Soil Moisture Content on the Isolation of Motile Bacteria		
	Student(s)	Kelsey Williams					Grade 10	Town Gales Ferry
		Douglas Rediger					Grade 10	Town Gales Ferry
		Joshua McConnell					Grade 10	Town Baltic
Orange	Amity Reg Middle School - Orange Campus	Mr. Dahn/Foley	2527	L8	3	Effects of Commonly Used Fertilizers on Decomposition		
	Student(s)	Abigail Bonat					Grade 8	Town Orange
Orange	Amity Reg Middle School - Orange Campus	Mr.Foley/Dahn	2523	L8	3	Cognitive Tests in Games		
	Student(s)	Yujin Kim					Grade 8	Town Orange
Orange	Amity Reg Middle School - Orange Campus	Mr. Dahn/Foley	5510	P8	2	Inexpensive & Lightweight Alternatives for Expensive Bulky Jackets		
	Student(s)	Adarsh Kongani					Grade 8	Town Orange
Orange	Amity Reg Middle School - Orange Campus	Mr. Dahn/Foley	2535	L8	2	The Effects of Music on Memory		
	Student(s)	Claudia Lihar					Grade 8	Town Orange
Orange	Amity Reg Middle School - Orange Campus	Mr. Dahn/Foley	5521	P8	2	Silicone-Filled Drumsticks can Reduce Vibration Impact in a Drummer's Hand		
	Student(s)	Sebastian Todeasa					Grade 8	Town Orange
								* American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project
Oxford	Oxford High School	Adrian Poffenberger	6090	PS	2	Correlation of Elbow Kinetics and Ball Velocity to UCL Strain/ Injury in Baseball Pitchers		
	Student(s)	Michael Kashuba					Grade 11	Town Oxford
Pawcatuck	St. Michael School	Mrs. Grossomanides	5505	P8	3	The Fastest Manicure		
	Student(s)	Hazel Allik					Grade 8	Town Pawcatuck

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

Pawcatuck St. Michael School Mrs. Anna-Helene Grossomanides
 2018 L7 1 Hydroponics - A World Without Dirt

Student(s) Anne Drago **Grade 7** **Town** Pawcatuck

- * Pfizer Life Sciences Awards --- 4th Place- Life Sciences 7th grade- trophy
- * Alexion Biotechnology Awards --- 4th Place- Biotechnology 7th grade- trophy
- * Ricoh Americas Corporation --- Certificate, \$25 Amazon gift card given by CSEF
- * University of Connecticut - Physics Department --- UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate

Pawcatuck St. Michael School Mrs. Anna-Helene Grossomanides
 2539 L8 1 Phototropism: In Indoor Germinated Seedlings

Student(s) Mary Malloy **Grade 8** **Town** Mystic

- * Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion

Pawcatuck St. Michael School Mrs. Grossomanides
 2023 L7 1 Is That Granite Radioactive?

Student(s) Samuel Montalto **Grade 7** **Town** Westerly

- * Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion
- * Evelyn Brown Award --- Earth Science - Field work with geologic or historic value

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 5575 P8 3 Got Sugar?

Student(s) Margaret Coyle **Grade 8** **Town** Southington

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 4012 PT 3 "Got Plastic?"

Student(s) Lillian Eaccarino **Grade 7** **Town** Southington
 Abigail Mullins **Grade 7** **Town** Plantsville

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 5037 P7 3 Going The Distance

Student(s) Vincent Fioriello **Grade 7** **Town** Plantsville

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 5040 P7 1 What quantity of dimples on a golf ball best contributes to flight distance.

Student(s) Ethan Lebo **Grade 7** **Town** Southington

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion

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

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 1017 LT 2 Oil Effect On Aquatic Plants
Student(s) **Caleigh McDougall** **Grade 8** **Town** Southington
Madison Johnston **Grade 8** **Town** Southington

* Environmental Sciences Awards with CACIWC --- 3rd Place MS- \$100, Trophy, CACIWC gifts

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 4018 PT 3 Strength of Bridges
Student(s) **Kajetan Naworol** **Grade 8** **Town** Milldale
Pio Castellano **Grade 8** **Town** Plantsville

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 1015 LT 3 Can You Cope With Your Dish Soap?
Student(s) **Adriana Oddo** **Grade 7** **Town** Plantsville
Alexis Mullins **Grade 7** **Town** Plantsville

Plantsville J.F. Kennedy Middle School Mrs. Pepin
 5562 P8 2 Depth vs. Velocity
Student(s) **Dylan Sandow** **Grade 8** **Town** Plantsville

Pomfret Pomfret School Richard Kyung
 6037 PS 2 Study on the Roles of Reactive Oxygen Species(ROS) and Nano Scaled Biochemical Molecules
 Treating Tumor Cells
Student(s) **YongWoo Lim** **Grade 10** **Town** Pomfret

Redding CT STEM Fair Deborah Day
 3061 LS 1 The Influence of Wildebeest Carcass Inputs on the Diet of Fish in the Mara River
Student(s) **Katherine Handler** **Grade 12** **Town** Woodbridge

* Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
 * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

Redding CT STEM Fair Deborah Day
 3138 LS 2 The Relationship Between Intelligence Quotient, Phonological Awareness, and Reading Cognition: A
 Behavioral and Neuroimaging Analysis
Student(s) **James He** **Grade 12** **Town** Woodbridge

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Redding	CT STEM Fair	Andrew Bramante	6013	PS	2	Optimization of Vertically Aligned Boron Nitride Nanotube Membranes via Magnetic Arrangement in a Lyotropic Precursor for Water Transport Applications		
			Student(s)		Connor Li	Grade 12		Town Cos Cob
* UTC Aerospace Systems Awards for Excellence in Engineering --- 4th Place- Engineering Senior High- \$200 & plaque								
* Connecticut Association of Physics Teachers --- \$100 Senior project								
Redding	CT STEM Fair	David Lewis	6057	PS	2	AprilTrack: A Particle-Filter based AprilTag Tracker		
			Student(s)		Daniel Pfrommer	Grade 11		Town Darien
Redding	Joel Barlow High School	Dr. Katherine Nuzzo	3097	LS	3	The Effect of Rising Water Temperature and Decreasing pH on Vibrio Cholerae Cases		
			Student(s)		Samantha Ballas	Grade 11		Town Easton
Redding	Joel Barlow High School	Katherine Nuzzo	3084	LS	2	The Effects of Global Climate Change on the Production of Oxygen Gas and Chlorophyll Fluorescence in the Chlorophyll f Pigment and with Chlorogloeopsis fritschii.		
			Student(s)		Adam Boczar	Grade 11		Town Easton
Redding	Joel Barlow High School	Dr. Nuzzo	3021	LS	2	The Effect of Different Species of Coprophagous Arthropods on the Reduction of Methane Production from Feces		
			Student(s)		Daniel Brey	Grade 11		Town Redding
* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion								
Redding	Joel Barlow High School	Dr. Nuzzo	3004	LS	3	The Ameliorating Effects of Biochar and Fertilizers on the Amount of Organic Matter and Organic Carbon in Native Connecticut Soil		
			Student(s)		Luca Cerbin	Grade 11		Town Redding
Redding	Joel Barlow High School	Dr. Nuzzo	3518	LST	1	A Statistical Analysis of the Inflation of Atmospheric CO2 Levels and the Correlation Between Sea Ice Concentration and Aptenodytes Forsteri Breeding Patterns		
			Student(s)		Ella Gaspar	Grade 11		Town Redding
			Student(s)		Taylor Macchia	Grade 11		Town Wilton
* Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion								
Redding	Joel Barlow High School	Dr. Katherine Nuzzo	3041	LS	3	A Novel Approach to the Ease and Accessibility of Early Detection of Chronic Kidney Disease (CKD) to Prevent Onset of End Stage Renal Disorder Through Examination of Urinalysis		
			Student(s)		Sumudu Gunawardana	Grade 11		Town Easton

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Redding	Joel Barlow High School	Dr. Katherine Nuzzo	6079	PS	1	Experimentally determining the total lasting albedo effect of aerosol-seeded clouds based on aerosol particle type		
			Student(s)		Jonathan Lam	Grade	11	Town Easton
* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion								
Redding	Joel Barlow High School	Dr. Katherine Nuzzo	3111	LS	2	Effects of Climate Change and pH Change on Daphnia Population Size and in turn Complete Freshwater Aquatic Ecosystems		
			Student(s)		Jenna Ledbetter	Grade	12	Town Redding
Redding	Joel Barlow High School	Katherine Nuzzo	3102	LS	2	Influence of Climate on the Decline of Fraxinus americana		
			Student(s)		Sean Mullin	Grade	10	Town Redding
Redding	Joel Barlow High School	Dr. Katherine Nuzzo	3530	LST	1	Analysis of the Effects of Selenastrum capricornutum on the pH of Freshwater Marine Environments		
			Student(s)		Alex Palvinski	Grade	11	Town Redding
			Student(s)		Michael Klein Wassink	Grade	11	Town Redding
* Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion								
Redding	Joel Barlow High School	Dr. Katherine Nuzzo	3130	LS	3	The Role of Acidity in Phosphorus Fixation of Phaseolus Vulgaris through Induced Systemic Resistance by Inoculation of Azospirillum Brasilense		
			Student(s)		Melani Zuckerman	Grade	11	Town Redding
Ridgefield	Ridgefield High School	Ryan Gleason	3146	LS	2	Analyzing Rhythmic Processing Abilities in Children Ages Five to Fifteen		
			Student(s)		Nora Maerean	Grade	11	Town Ridgefield
* American Psychological Association --- Certificate, \$25 gift card to Amazon given by CSEF								
Sandy Hook	Newtown High School	Tim DeJulio	3008	LS	3	Leg Exoskeleton for Patient With Osteogenesis Imperfecta to Help Prevent Bone Fractures		
			Student(s)		Chloe Kasak	Grade	12	Town Sandy Hook
Sandy Hook	Newtown High School	Tim DeJulio	6029	PS	3	The Synthesis of Silica X-Aerogels through the Sub-Critical Process		
			Student(s)		William LeMay	Grade	12	Town Newtown

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Sandy Hook	Newtown High School	Tim DeJulio	6032	PS	3	Using Octadecanol to Limit Freshwater Evaporation in Areas of Droughts		
					Student(s)	Kelsey O'Connor	Grade 12	Town Newtown
Shelton	Shelton High School	Mrs. McNamara	6042	PS	3	Cheap Heat		
					Student(s)	Gregorio Corsale	Grade 12	Town Derby
<ul style="list-style-type: none"> * Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion * Energize CT/eesmarts Future Sustainability Awards --- 3rd Place High School - \$200 Cash and Plaque 								
Shelton	Shelton High School	Dr. Rivera	6088	PS	2	The Effect of Center of Mass and Center of Pressure Locations of Model Rocket Performance		
					Student(s)	Siddharth Jain	Grade 9	Town Shelton
<ul style="list-style-type: none"> * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion * John S. Kendall Memorial Awards --- \$500 John S. Kendall Award for Excellence In Mechanical Engineering - High School 								
Shelton	Shelton High School	Tosca Rivera	6058	PS	3	The Efficient Application of Resonant Energy		
					Student(s)	Michael Kichar	Grade 10	Town Shelton
Shelton	Shelton High School	Christine McNamara	6064	PS	2	An Engineering Approach to Developing Sustainable Technology: Piezoelectric-Powered Shoe Inserts		
					Student(s)	Lauren Pawlowski	Grade 11	Town Shelton
<ul style="list-style-type: none"> * Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion 								
Shelton	Shelton High School	Christine McNamara	6023	PS	3	Biodegradable Plastic Study to Prevent Oceanic Pollution		
					Student(s)	Marissa Peck	Grade 12	Town Shelton
<ul style="list-style-type: none"> * ASM Materials Education Foundation --- Certificate & \$25 gift card to Amazon given by CSEF * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR * Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related 								
Shelton	Shelton High School	Mr. Goddard	3033	LS	3	Shell Shock: The Effects of Ocean Acidification on Shelled Marine Organisms		
					Student(s)	Hunter Wronski	Grade 12	Town Shelton

Conn. Science & Engineering Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Shelton	Shelton High School	Dr. Rivera	6046	PS	1	Cycling Assisted Brake		
Student(s) Kyle Young					Grade 9	Town Shelton		
<ul style="list-style-type: none"> * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Engineering: Mechanical 								
Shelton	Shelton High School	Lucia Dunham	6002	PS	3	Hot Glass		
Student(s) Jacob Zuklie					Grade 11	Town Shelton		
* Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"								
Shelton	Shelton Intermediate School	Tina Genova	5543	P8	3	How does weather vary across the city?		
Student(s) Jules Cayer					Grade 8	Town Shelton		
Shelton	Shelton Intermediate School	Denise Fix	5023	P7	1	Sneaker Feature		
Student(s) Sofia Gasbarro					Grade 7	Town Shelton		
<ul style="list-style-type: none"> * 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 								
Shelton	Shelton Intermediate School	Timothy Gilson	1008	LT	2	Teething you the truth		
Student(s) Hailee Lazaro					Grade 8	Town Shelton		
Cathleen Higgings					Grade 8	Town Shelton		
Shelton	St. Joseph School	Mr. Hyland	1006	LT	3	The effect of different materials used as a filter on the purity of water		
Student(s) Ana Bushati					Grade 8	Town Ansonia		
Jon Cela					Grade 8	Town Shelton		
Shelton	St. Joseph School	Kieran Hyland	5507	P8	2	Battle of the Bridges		
Student(s) Alexandra Coleman Coleman					Grade 8	Town Shelton		
Shelton	St. Joseph School	Kieran Hyland	5016	P7	2	Insulation Wars		
Student(s) Mark MacDaniel					Grade 7	Town Derby		

Conn. Science & Engineering Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Shelton	St. Joseph School	Kieran Hyland	5013	P7	3	The Amazing Magnetic Glove		
Student(s) Kenny Mcgovern							Grade 7	Town Shelton
Simsbury	Westminster School	Richard Kyung	6041	PS	2	Development of New and Efficient Metamaterials		
Student(s) Dong Ju Lee							Grade 11	Town Simsbury
Simsbury	Westminster School	Mr.Griffith	6048	PS	2	Efficient Wind Turbine Blade Design Using Computational and Numerical Analysis		
Student(s) Seung Ki Lee							Grade 11	Town Simsbury
Simsbury	Westminster School	Mr. Tony Griffith	6052	PS	3	Adaptive Boosting - A Study on Machine Learning		
Student(s) Nicholas Wee							Grade 11	Town Simsbury
* Xerox Computer Science Awards --- Senior High Finalist - Medallion								
Southington	J.A. DePaolo Middle School	Ms. Shea	5026	P7	1	Snap Crackle Pop		
Student(s) Morgan Birdsey							Grade 7	Town Southington
* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion								
* Henderson Award --- Certificate and \$25 Amazon Gift Card given by CSF								
Southington	J.A. DePaolo Middle School	D Shea	2512	L8	2	Digesting Medication		
Student(s) Allison Guzauckas							Grade 8	Town Southington
Southington	J.A. DePaolo Middle School	Mrs. Shea	5520	P8	2	Does the Surface Really Matter?		
Student(s) Faith Kosior							Grade 8	Town Southington
Southington	J.A. DePaolo Middle School	Ms. Shea	2032	L7	2	Eco-Friendly Preservation of Vegetables		
Student(s) Bogna Prusak							Grade 7	Town Southington
Southington	Southington Catholic School	Pauline Pelczar	5024	P7	2	What Recyclable Material Makes the Best Insulator?		
Student(s) John Byrne							Grade 7	Town Southington

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

Southington Southington Catholic School Pauline Pelczar

5504 P8 1 Trash to Gas!

Student(s) Victoria Gomez **Grade 8** **Town** Southington

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion

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

Stamford Bi-Cultural Day School Christopher Graseck

1002 LT 1 Is "non-toxic" dish detergent safe for the environment?

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

Stamford Bi-Cultural Day School Christopher Graseck

2025 L7 2 An Analysis of Nitrogen and Phosphate Fertilizer on Algae Growth

Student(s) Anna Lichtenberg **Grade 7** **Town** Stamford

- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion
- * Project Oceanology --- Junior-Identification guide, t-shirt, 1 week residential summer camp
- * Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash

Stamford Bi-Cultural Day School Christopher Graseck

2011 L7 3 How Different Colored Lights Impact Plant Growth

Student(s) Aaron Liebskind **Grade 7** **Town** Stamford

Storrs EO Smith High School Cheryl Granger

3044 LS 2 Patterns in the Overall Performance of Baseball Players at Different Positions

Student(s) Alexander Chandy **Grade 10** **Town** Storrs

- * American Meteorological Society --- Certificate & \$25 Amazon gift card given by CSEF

Stratford St. Mark School Mrs Olins

1001 LT 2 How Sweet Is It?

Student(s) Kaitlyn Feliciano **Grade 8** **Town** Stratford
 Jenna Koonitsky **Grade 8** **Town** Stratford

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Stratford	St. Mark School	Mr. Olins	2522	L8	3	Antacid Potency		
Student(s) Kaitlyn Grassia							Grade 8	Town Stratford
Stratford	St. Mark School	Lynn Olins	5035	P7	3	Making Tie Dye Milk		
Student(s) Michael LaMonica IV							Grade 7	Town Stratford
Stratford	St. Mark School	Mrs. Lynn Olins	4026	PT	2	Can U(V) See the Light		
Student(s) Liam Millott							Grade 8	Town Milford
Matthew Morales							Grade 8	Town Stratford
Stratford	St. Mark School	Ms. Lynn Olins	2005	L7	1	"Watts" the efficiency of solar cells?		
Student(s) Kaitlyn Szczepanski							Grade 7	Town Stratford
<ul style="list-style-type: none"> * 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 								
Stratford	St. Mark School	Lynn Olins	5029	P7	2	How Safe Is Your Water?		
Student(s) Mya Zayas							Grade 7	Town Bridgeport
Suffield	Suffield High School	Mitchell Charkiewicz	6082	PS	3	The Reutilization of Plastic as a Home Insulation System		
Student(s) Katherine Baker							Grade 12	Town Suffield
Suffield	Suffield High School	Mitchell Charkiewicz	3012	LS	3	Self Defogging Ski Goggles		
Student(s) Ryan Cleaves							Grade 12	Town Canton
* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR								
Suffield	Suffield High School	Mitch Charkiewicz	3058	LS	3	An Application that Teaches the Fundamentals of Programming in Java		
Student(s) Madison D'Ostuni							Grade 12	Town Suffield

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Suffield	Suffield High School	Mitchell Charkiewicz	6027	PS	3	A Novel Approach to Measuring Reaction Times in a Simulated Driving Environment		
			Student(s)		Caitlin Kirschbaum	Grade 12	Town	Suffield
* Barnes Aerospace Applied Technology Awards --- 2nd Place High School - \$300 and Plaque Medallion * American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project								
Suffield	Suffield High School	Mitchell Charkiewicz	3115	LS	3	Can Video Games Boost Intelligence in Children?		
			Student(s)		Leroy Lawson	Grade 10	Town	West Suffield
Suffield	Suffield High School	Mitchell Charkiewicz	6501	PST	2	Levitating and propelling objects.		
			Student(s)		Zachary Rossignol	Grade 9	Town	Suffield
					Dylan Reilly	Grade 9	Town	Suffield
Suffield	Suffield High School	Mitchell Charkiewicz	6073	PS	3	A Small Spectrometer to Find Peanut Ingredients in Food.		
			Student(s)		Zachariah Service	Grade 11	Town	Suffield
* ISA - International Society for Automation - Ct. Valley Section --- 3rd - \$50 award								
Suffield	Suffield High School	Mitchell Charkiewicz	6060	PS	3	Perpetual Wind Energy		
			Student(s)		Samatar Wehelie	Grade 11	Town	Suffield
Suffield	Suffield High School	Mitchell Charkiewicz	3504	LST	3	An Evaluation of Varying Reaction Times from Mobile Phones and Its Practical Application		
			Student(s)		Aidan Werenski	Grade 10	Town	Suffield
					John Dion	Grade 10	Town	Suffield
					Ziad Hassan	Grade 10	Town	Suffield
Suffield	Suffield High School	Mitchell Charkiewicz	3520	LST	2	An investigation of Nannochloropsis oculata / Yeast Biofuel Efficiency		
			Student(s)		Jason Werenski	Grade 12	Town	Suffield
					Yash Mehta	Grade 12	Town	Suffield
					Tristan Evans	Grade 12	Town	Suffield
* Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion								
Suffield	Suffield Middle School	Charkiewicz	2511	L8	2	How age affects short term memory		
			Student(s)		Akshita Jindal	Grade 8	Town	Suffield
* American Psychological Association --- Certificate, \$25 gift card to Amazon given by CSEF								

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

Suffield Suffield Middle School Mitchell Charkiewicz
 5010 P7 3 Do Video Game Players Have Faster Reaction Times Than Non-Players?
Student(s) Ayush Mehta **Grade 7** **Town** Suffield

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
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

Trumbull Christian Heritage School Theresa Miller
 5509 P8 2 The Effect of Heat on Static Electricity
Student(s) Ymonie Humphries **Grade 8** **Town** West Haven

Trumbull Christian Heritage School Daniel Cote
 6018 PS 2 The Design and Fabrication of a Zero Carbon Emissions Compressed Air Engine Eliminating Batteries and Other Associated Environmental Impacts
Student(s) Judah Immanuel **Grade 11** **Town** Woodbridge

- * Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion

Trumbull Christian Heritage School Theresa Miller
 5532 P8 3 Is Biuret Test a reliable reagent to indicate the presence of egg proteins in raw, cooked, and baked egg that can trigger an allergic reaction?
Student(s) Andrea Piraneque **Grade 8** **Town** Trumbull

Trumbull Christian Heritage School Daniel Cote
 6070 PS 2 Feasibility of Radio Frequency Technology To Potentially Create a Wearable Distance-Sensitive Device to Help Young Adults Avoid Forgetting Epi-Pen.
Student(s) Cristian Piraneque **Grade 11** **Town** Trumbull

Trumbull Christian Heritage School Theresa Miller
 2533 L8 1 The Effect of Martian Regolith on Vegetable Germination for Extra Terrestrial Colonization
Student(s) Amanda Shipman **Grade 8** **Town** Trumbull

- * 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

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Trumbull	Christian Heritage School	Daniel Cote	6095	PS	2	The Fabrication and Testing of a Personal Air Quality Monitoring System		
		Student(s) Chiharu Taniguchi					Grade 11	Town Seymour
Trumbull	St. Joseph High School	Kevin Green	6096	PS	2	Determining Orbital Properties of Eclipsing Binary Stars Through Visual Observations of Variable Brightness		
		Student(s) James Bove					Grade 11	Town Trumbull
		* Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Senior Physics & teeshirt						
Trumbull	St. Joseph High School	Daniel T. Walsh, PhD	3509	LST	1	Effect of Popular Acidic Drinks on Human Tooth Enamel and Use of Common Chemical Additives to Reduce Enamel Erosion		
		Student(s) Cheng Chang					Grade 11	Town Stratford
		Hao Zhang					Grade 12	Town Bridgeport
		* Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion						
Trumbull	St. Joseph High School	Dr. Walsh	6504	PST	1	Today's Invisible Threats: the Concentration of Radon According to Geological and Geographical Components		
		Student(s) Abigail Cloud					Grade 10	Town Bridgeport
		Anna Argulian					Grade 10	Town Stratford
		* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion						
Trumbull	Trumbull High School	Steffanie Elkins	3038	LS	3	An Investigation on the Potency of Sunscreen in Protecting Against UV Rays		
		Student(s) Victoria Estacio					Grade 12	Town Trumbull
Trumbull	Trumbull High School	Steffanie Elkins	6006	PS	3	Decreasing Energy Loss in the Flow of Electricity		
		Student(s) Neal Keklik					Grade 12	Town Trumbull
Trumbull	Trumbull High School	Steffanie Elkins	3071	LS	3	Effects of Stimulants on Heart Rate		
		Student(s) Armand Perez					Grade 11	Town Trumbull
Trumbull	Trumbull High School	Steffanie Elkins	3118	LS	3	Limiting our Exposure to Radio Frequency Radiation		
		Student(s) Srishti Pithadia					Grade 10	Town Trumbull

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

Trumbull Trumbull High School Steffanie Elkins
 3089 LS 2 The Effect of Added External Chemicals on Inhibiting Population Growth of Cyanobacteria Within a Fertilizer-Runoff Environment

Student(s) Arnav Srivastava **Grade** 10 **Town** Trumbull

* Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

Waterford Waterford High School Michael O'Connor
 3016 LS 2 The Use of Copepods as a Mosquito Control System

Student(s) Sophie Wang **Grade** 11 **Town** Waterford

- * Environmental Sciences Awards with CACIWC --- 1st Place HS- \$500, Plaque, CACIWC gifts
- * University of Connecticut Academic Excellence Scholarship --- Academic Excellence Scholarship - \$6,500 a year for four academic years- (\$26,000 total)
- * Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences
- * University of Connecticut Academic Excellence Scholarship --- Academic Excellence Scholarship - \$6,500 a year for four academic years- (\$26,000 total)
- * Fox Pest Control Award for Environmental Management --- \$150 Cash for Excellence in Environmental management

Watertown The Taft School Richard Kyung
 3106 LS 2 Reactivity and Stability Analysis of Metal Organic Frameworks(MOFs)

Student(s) Yejin Kim **Grade** 11 **Town** Watertown

West Hartford Hebrew High School of New England Matthew Camarata
 3099 LS 2 The Effects of Natural Organic Compounds on the Inhibition of Bacillus Subtilis Biofilm Growth

Student(s) Batya Koenigsberg **Grade** 10 **Town** New Haven

West Hartford Hebrew High School of New England Mr. Camarata
 3112 LS 2 Determining the Most Distracting of the Five Traditional Senses from Feelings of Pain

Student(s) Ariella Snyder **Grade** 10 **Town** West Hartford

West Hartford King Philip Middle School Robert Felekey
 5038 P7 1 Slip Hazard Alarm Robot--H2OhNobot

Student(s) Theodore Zhang **Grade** 7 **Town** West Hartford

- * 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"

West Hartford Solomon Schechter Day School Gilah Barker
 5009 P7 2 Brownie Points: The effect of flours on brownies

Student(s) Harry Gold **Grade** 7 **Town** West Simsbury

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
West Hartford	St. Brigid-St. Augustine School	Donald Fay	2505	L8	1	Ecological Refrigerator		
					Student(s) Melanie Grajales	Grade 8	Town West Hartford	
<ul style="list-style-type: none"> * Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion * Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner 								
West Hartford	St. Brigid-St. Augustine School	Donald Fay	2525	L8	2	How Much Sugar Are You Drinking?		
					Student(s) Alexandra Guerrero	Grade 8	Town West Hartford	
West Hartford	St. Brigid-St. Augustine School	Mr. D Fay	5511	P8	3	A Battery That Makes "Cents"		
					Student(s) Angel Nooks	Grade 8	Town Hartford	
West Hartford	St. Timothy Middle School	Danielle Locke	2526	L8	2	Sweet Smarts!		
					Student(s) Christopher Baldini	Grade 8	Town West Hartford	
West Hartford	St. Timothy Middle School	Danielle Locke	2022	L7	1	Green Tea: A Simple Solution for a Bananas Problem?		
					Student(s) Grace Flynn	Grade 7	Town West Hartford	
<ul style="list-style-type: none"> * 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 								
West Hartford	St. Timothy Middle School	Danielle Locke	2017	L7	2	Hitting All the Right Notes: Unlocking the Formula to Oscar-Winning Original Songs		
					Student(s) Mia Porcello	Grade 7	Town West Hartford	
<ul style="list-style-type: none"> * People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place Middle School- \$100 from ATOMIC, and Trophy, \$200 from People's United Bank 								
West Hartford	St. Timothy Middle School	Danielle Locke	5006	P7	2	What's Blocking Your Wi-Fi Signal?		
					Student(s) Alex Rosenthal	Grade 7	Town West Hartford	
Weston	Weston Middle School	David Rosvally	5501	P8	3	Baking Vanilla Cupcakes with Different Ratios of Ingredients at Different Temperatures		
					Student(s) Sophia Balotescu	Grade 8	Town Weston	

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Weston	Weston Middle School	David Rosvally	5547	P8	2	Creating a Cosmetics Foundation with Natural Ingredients		
		Student(s) Julia Gregory					Grade 8	Town Weston
Weston	Weston Middle School	Allison Kovac	5544	P8	3	Challenges of Creating a 2-d Platformer Game Level		
		Student(s) Byron Hart					Grade 8	Town Weston
Weston	Weston Middle School	Darcy Ronan	2516	L8	3	Homemade RC Plane		
		Student(s) Matthew Krauss					Grade 8	Town Weston
		* U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate						
Weston	Weston Middle School	Mr. Rosvally	5540	P8	2	How does the fill density of a 3D printed flying disc effect how far it flies?		
		Student(s) Brian Nordlinger					Grade 8	Town Weston
Westport	Staples High School	Karen Thompson	3022	LS	2	The effects of environmental factors on overexpressed tau genes in Drosophila Melanogaster in regards to neurodegeneration		
		Student(s) Nicole Arellano					Grade 11	Town Westport
Westport	Staples High School	Ms. Thompson	3143	LS	2	Investigation of Effectiveness of Bowel Preparations and Physician Rating for Maximum Visibility in Colonoscopy Procedures to Increase the Detection Rate of Colorectal Cancer		
		Student(s) Sarah Barnett					Grade 12	Town Westport
Westport	Staples High School	Dr. Tinoco	3043	LS	2	Cilantro and plants with ester functional groups purify copper(II) from water		
		Student(s) Virginia Gerig					Grade 12	Town Westport

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

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"

Wilton Middlebrook Middle School Debbie Mallozzi

2536	L8	2	Love Me Tender
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Student(s) Ashley Klancko **Grade 8** **Town** Wilton

Wilton Middlebrook Middle School Carol Festa

5546	P8	3	Multi-Purpose Home Automated Motion Sensor
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Student(s) Rohan Vaddiraju **Grade 8** **Town** Wilton

Wilton Middlebrook Middle School Carol Festa

5557	P8	3	Air Engine : Can it be an alternative to a gasoline engine?
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Student(s) Rahul Vallabhajosula **Grade 8** **Town** Wilton

Windsor Academy of Aerospace and Engineering Michelle Bellinger

6098	PS	1	Effects of Concentration and Cooling Rate on Microstructural and Macroscopic Properties of Tin-Zinc Binary Alloys
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Student(s) Jay Aindow **Grade 12** **Town** Tolland

- * Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Senior High Finalist - Medallion
- * ASM Materials Education Foundation --- Certificate & \$25 gift card to Amazon given by CSEF
- * American Society for Metals - Hartford Chapter --- \$100 Check

Windsor Academy of Aerospace and Engineering Dr. Michelle Bellinger

6019	PS	2	The effect of adding a second polymer to polyethylene terephthalate on the mechanical properties and morphology of the polymer blend systems
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Student(s) Nikhil Bhat **Grade 12** **Town** Rocky Hill

- * Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Windsor	Academy of Aerospace and Engineering	Michelle Bellinger	6513	PST	1	The Effect of Adding a Second Polymer to Bombyx mori silk fibroin on the Mechanical Properties and Morphology of The Polymer Blends		
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Student(s)	Chandni Patel	Grade	12	Town	Southington
	Janine Albert	Grade	12	Town	Windsor

* Pepsico Physical Sciences Awards --- 3rd Place - Physical Sciences Senior High Team - Plaque

Windsor	Academy of Aerospace and Engineering	Dr. Bellinger	6523	PST	1	Effect of Aerodynamic Leaf Design on Electrical Power Generation via a Network of Vertically Aligned Micro Wind Turbines.		
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Student(s)	Chris Rinaldi	Grade	10	Town	Enfield
	Vishakh Talanki	Grade	10	Town	south windsor
	Jean Pasato	Grade	10	Town	Middletown

* Pepsico Physical Sciences Awards --- 1st Place- Physical Sciences Senior High Team- \$500 (split) & Plaque
 * People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion
 * CASE Urban School Challenge Awards with Aetna, IBM, & Travelers --- Senior High Finalist - Medallion
 * Energize CT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion

Windsor	Academy of Aerospace and Engineering	Dr. Lili Aramli	3078	LS	3	An Investigation on the Effect of the Acidification of Soil on the Growth of Lolium perenne		
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Student(s)	Spencer Scutt	Grade	11	Town	Enfield
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Windsor	Academy of Aerospace and Engineering	Dr. Aramli	3122	LS	3	The Effect of Acid Rain on the Regeneration of Nematostella Vectensis		
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Student(s)	Kyla Thomas	Grade	11	Town	Hartford
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Windsor	Greater Hartford Academy of Math and Science	Lili Aramli	3515	LST	3	Environmental Stresses on the Rate of Evolution of Escherichia coli to Antibiotics		
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Student(s)	Preksha Gupta	Grade	11	Town	Rocky Hill
	Artem Boyko	Grade	11	Town	Manchester
	Zirui Hao	Grade	11	Town	Rocky Hill

Windsor	Greater Hartford Academy of Math and Science	Dr. Lili Aramli	3002	LS	2	The Effect of Collect Nutrient Powder on Mus Musculus Lewis Lung Carcinoma Cell Confluence, Viability and Growth Rate		
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Student(s)	Marissa Guzzo	Grade	11	Town	Suffield
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* Society for In Vitro Biology --- Certificate and \$25 Amazon gift card given by CSEF

Windsor	Greater Hartford Academy of Math and Science	Dr. Lili Aramli	3124	LS	3	The Effect of Asparagus cochinchinensis Root on Mouse Lewis Lung Carcinoma Growth		
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Student(s)	Brianna Mailloux	Grade	11	Town	Suffield
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[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Windsor Greater Hartford Academy of Math and Science Dr. Lili Aramli
 3073 LS 3 The Effects of Artemisinin and Ferrous Iron on Mouse Lewis Lung Carcinoma Growth
Student(s) Ashley Shafran **Grade** 11 **Town** Southington

Windsor Greater Hartford Academy of Math and Science Dr. Aramli
 3522 LST 2 The effects climate change variables have on genetic inheritance of butterfly wing patterns
Student(s) Alexandra Smith **Grade** 11 **Town** Suffield
 Sreenidhi Nair **Grade** 11 **Town** West Hartford

Windsor Greater Hartford Academy of Math and Science Dr. Lili Aramli
 3131 LS 3 Viability of Cloud-Bacteria Transportation
Student(s) Jason Vailionis **Grade** 12 **Town** Rocky Hill

* Mu Alpha Theta --- Certificate, \$25 Amazon gift card given by CSEF

Windsor Greater Hartford Academy of Math and Science Dr. Lili Aramli
 3507 LST 1 The Investigation of the Effectiveness of Triclocarban as an Antibacterial Agent
Student(s) Alexa Wilson **Grade** 11 **Town** Rocky Hill
 Arshad Bhura **Grade** 11 **Town** Rocky Hill
 Malavika Madan **Grade** 11 **Town** South Windsor

* Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion

Windsor Madina Academy Saqib Chariwala
 6516 PST 1 Converting Grass into Cellulosic Ethanol to Generate Energy as a Heating System
Student(s) Radeyah Ahmed **Grade** 10 **Town** Bloomfield
 Jareen Choudhury **Grade** 11 **Town** Bloomfield

* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion
 * Energize CT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Plaque
 * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Energy & Transportation

Windsor Madina Academy Saqib Chariwala
 4013 PT 2 Light Intensity and Photosynthesis: How different colors of light and their intensities affect photosynthesis?
Student(s) Sakinah Caesar **Grade** 7 **Town** Simsbury
 Sheza Chaudhry **Grade** 7 **Town** Windsor Locks

* Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion
 * Association for Women Geoscientists --- Certificate & \$25 gift card to Amazon given by CSEF

Windsor Madina Academy Saqib Chariwala
 6514 PST 2 Charge Your Devices Using a Portable Thermoelectric Generator Harnessing Wasted Heat Energy
Student(s) Ayman ElSherbini **Grade** 10 **Town** Windsor
 Alina Mohammed **Grade** 10 **Town** Windsor

* Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion

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

Windsor Madina Academy Saqib Chariwala
 3051 LS 3 Starch in leaves.
Student(s) Fairuza Mikailou **Grade** 10 **Town** Manchester

Windsor Madina Academy Saqib Chariwala
 4020 PT 1 Investigating Novel Methods of Generating Electricity Using a Double Plated Magnetic Generator with Springs Compared to a Miniature Axial Rounded Tip Tidal Stream Generator
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
- * Constellation, an Exelon Company --- 1st: \$100.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy

Windsor St. Gabriel School Ms. Rosa
 5529 P8 2 Soiled Soil
Student(s) Jessica Akin **Grade** 8 **Town** Windsor

Windsor St. Gabriel School Meg Rosa
 2529 L8 1 Conventional v. Organic Fruit
Student(s) Jeremy Blackwood **Grade** 8 **Town** Windsor

* Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion

Woodbridge Amity Regional High School Deborah Day
 3065 LS 2 Evaluation of Potential Outer Membrane Protein Candidates for the Serological Diagnostic of Leptospirosis
Student(s) Suvasini Balaji **Grade** 12 **Town** Orange

Woodbridge Amity Regional High School Deborah Day
 3524 LST 3 The Effect of Predation and Availability of Resources on Habitat Selection of Oniscus asellus
Student(s) Joseph Benedetti **Grade** 10 **Town** Bethany
 Austin Gilbride **Grade** 10 **Town** Woodbridge

Woodbridge Amity Regional High School Deborah Day
 6049 PS 3 Improving the Outbrain Click Prediction Algorithm
Student(s) Jimmy Bi **Grade** 12 **Town** Woodbridge

* Xerox Computer Science Awards --- Senior High Finalist - Medallion

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Woodbridge	Amity Regional High School	Deborah Day	6093	PS	2	Designing a Protective Cap To Reduce Impact Force and Head Trauma		
					Student(s) Quinnlan Burke	Grade 11	Town Woodbridge	
* Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion * American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project								
Woodbridge	Amity Regional High School	Ms. Deborah Day	3027	LS	3	Determining Genetic Mutations in Gitelman Syndrome		
					Student(s) Alicia Chen	Grade 12	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	3001	LS	3	Investigating Murine Humoral Responses to Tick-borne Pathogens to Develop a Confirmatory Diagnostic Tool		
					Student(s) Emily Criscuolo	Grade 12	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	6099	PS	3	Residential Oil Tank Risk Prediction		
					Student(s) Howard Ding	Grade 11	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	3006	LS	2	Dissecting the role of Desmosterol in regulating macrophage immune activation during atherogenesis		
					Student(s) Agrani Dixit	Grade 11	Town Woodbridge	
* Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion								
Woodbridge	Amity Regional High School	Deborah Day	6520	PST	2	The Effect of Bio-inspired Textures on Friction		
					Student(s) Rosie Du	Grade 10	Town New Haven	
					Courtney Greifenberger	Grade 11	Town Orange	
Woodbridge	Amity Regional High School	Deborah Day	3088	LS	3	Effect of point of view on lasting empathy		
					Student(s) Weixin Du	Grade 11	Town Bethany	
Woodbridge	Amity Regional High School	Deborah Day	3055	LS	2	The Effect of Oxidative Stressors on Cultured Epithelial Lung Cells		
					Student(s) Ulada Dubovik	Grade 11	Town Orange	

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

Woodbridge Amity Regional High School Ms. Day
 3135 LS 2 Correlations Between Specific Gut Flora and Different Body Mass Type Changes
Student(s) Jacob Feuerstein **Grade 10** **Town** Woodbridge

* Mu Alpha Theta --- Certificate, \$25 Amazon gift card given by CSEF

Woodbridge Amity Regional High School Deborah Day
 3085 LS 2 Taste Perception in Obesity: Understanding the Role of Physiological State, Macronutrient Intake, and Flavor Preference
Student(s) Allison Fischman **Grade 10** **Town** Woodbridge

Woodbridge Amity Regional High School Deborah Day
 6089 PS 1 Study of Size Separation of Sub-Millimeter Sizes Granular Material Using Vibro-Fluidization
Student(s) Jethin Gowda **Grade 12** **Town** Orange

* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
 * UTC Aerospace Systems Awards for Excellence in Engineering --- Finalist - Engineering Senior High - CSF Medallion

Woodbridge Amity Regional High School Day
 3104 LS 2 Using Connectivity Data to Remap the Mouse Brain
Student(s) Jacob Gross **Grade 11** **Town** Woodbridge

Woodbridge Amity Regional High School Ms. Deborah Day
 3077 LS 2 Evaluating the Potential of CRISPR gRNA Sequence to Target Patient Isolae Sequency
Student(s) Ananya Kachru **Grade 11** **Town** Woodbridge

Woodbridge Amity Regional High School Deborah Day
 6077 PS 3 Synthesis and Improvement of Mechanical Robustness Within Photonic Crystals
Student(s) Vince Li **Grade 11** **Town** Orange

Woodbridge Amity Regional High School Deborah Day
 3120 LS 2 Determining Ideal Management Strategy for Controlling Varroa Mite Levels
Student(s) Thomas Livesay **Grade 10** **Town** Woodbridge

Woodbridge Amity Regional High School Deborah Day
 6510 PST 2 Analysis and Proving of "Cycloid" Universe Using Friedmann Equations and Torsion Cosmology
Student(s) Kelsey McCormack **Grade 12** **Town** Orange
Himay Dharani **Grade 12** **Town** Orange

* People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion
 * American Meteorological Society --- Certificate & \$25 Amazon gift card given by CSEF

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Woodbridge	Amity Regional High School	Deborah Day	6071	PS	3	Is It More Effective to Get Surgery or Use Physical Therapy After a Ruptured Heel Cord?		
					Student(s) Henry Molot	Grade 11	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	3014	LS	2	Examining variation in immunity genes of bananas of different geographic regions through genotyping		
					Student(s) Sebin Park	Grade 11	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	3091	LS	2	Utilization of Q-2 Pressure System in Preventing Pressure Ulcers for In and Out-Patient Therapies		
					Student(s) Rohan Patel	Grade 12	Town Orange	
Woodbridge	Amity Regional High School	Ms. Deborah Day	3110	LS	3	Effects of Feces Deposition in Natural Refuges on Common Bed Bug		
					Student(s) Sarah Saxe	Grade 12	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	6527	PST	2	Impacts of Ocean Acidification on Phytoplankton		
					Student(s) Summer Schaaf	Grade 10	Town Woodbridge	
					Neha Sudhir	Grade 10	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	6043	PS	3	The Fabrication of a Graphene Supercapacitor		
					Student(s) Jacob Silliman	Grade 11	Town Woodbridge	
Woodbridge	Amity Regional High School	Deborah Day	6084	PS	2	The Effect of Different Textures of Coconut-Based Activated Carbon on the Adsorption of Dyes		
					Student(s) Keri Tenerowicz	Grade 10	Town Bethany	
Woodbridge	Amity Regional High School	Deborah Day	6080	PS	2	Comparing the efficiency of water-filtering materials and developing an affordable, effective, water filtration system for the developing world		
					Student(s) Julia Todeasa	Grade 10	Town Orange	
* J.A. Augustine Award --- \$100 for excellence in physical sciences								
Woodbridge	Amity Regional High School	Deborah Day	3020	LS	2	The Comparison of Metal Absorption of Microparticles from Various Face Washes		
					Student(s) Kevin Yanagisawa	Grade 11	Town Woodbridge	

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Woodbridge	Amity Regional High School	Deborah Day	6004	PS	2	Analysis of Mercury Content in Sediments of New Haven Harbor		
			Student(s)		Kate Yuan	Grade	10	Town Woodbridge
Woodbridge	Amity Regional High School	Deborah Day	3132	LS	3	Improving Cardiac Motion Correction in Cardiac SPECT		
			Student(s)		Kevin Zhao	Grade	11	Town Woodbridge
Woodbridge	Ezra Academy	Rebecca Tishkoff	5523	P8	1	Tracking the movements of a human being.		
			Student(s)		Ethan Lavi	Grade	8	Town Woodbridge
* Pepsico Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion								
* Jon Stone Memorial Award --- \$150 cash for Innovative Engineering								
Woodbridge	Ezra Academy	Dr. Tishkoff	5028	P7	3	The Plentiful Popcorn Project		
			Student(s)		Rachel Logue	Grade	7	Town Fairfield
Woodbridge	Ezra Academy	Rebecca Tishkoff	5528	P8	3	Is There a Tapiolite Vein in Connecticut?		
			Student(s)		Gideon Reiter	Grade	8	Town Woodbridge
Woodbridge	Ezra Academy	Rebecca Tishkoff	5548	P8	2	What's you signal?		
			Student(s)		Noah Sapire	Grade	8	Town Woodbridge