



Connecticut Science Fair

Quinnipiac University

March 13 - 17, 2012

Special Award Winners

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

Awards Legend

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

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)	(1st honors are CSF Finalists)
Avon	Talcott Mountain Academy	Tom Noonan	2509	L8	2	Do Ambient Temperatures Affect Bat Mortality?			
Student(s)			Gwynne Domashinski		Grade	8	Town	West Suffield	
● Yale Peabody Museum --- One year family membership									
Bethel	Bethel High School	Sharon Bly	6025	PS	2	Methods of Cleaning up an Oil Spill			
Student(s)			Elizabeth Locke		Grade	10	Town	Bethel	
● U.S. Army --- Certificate and \$50 savings bond									
Bethel	Bethel Middle School	Mr. Reynolds	4029	PT	1	How Does Combining Metals Lead to Rust Development			
Student(s)			Jessica MacIntyre		Grade	7	Town	Bethel	
			Kallan Hook		Grade	7	Town	Bethel	
● American Society for Metals - Hartford Chapter --- \$100 Check									
Bozrah	Fields Memorial School	Mrs. E. Brown	5532	P8	1	Greener Cleaner? Testing the Level of Phosphates in Everyday Cleaners			
Student(s)			Megan Lavallee		Grade	8	Town	Bozrah	
● Ricoh Corporation/Society for Science & the Public --- Certificate, Lapel Pin,\$50 gift card to Amazon given by CSF									
● Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science									
Bozrah	Fields Memorial School	Mrs. E Brown	5021	P7	1	What variables affect the grasp efficiency of a robotic arm?			
Student(s)			Emily O'Connor		Grade	7	Town	Bozrah	
● IEEE, Connecticut Section --- \$100 Honorable Mention									
Bozrah	Fields Memorial School	Mrs. E Brown	2534	L8	2	Password Security			
Student(s)			Connor Provost		Grade	8	Town	Bozrah	
● IEEE, Connecticut Section --- \$100 Honorable Mention									
Bozrah	Fields Memorial School	Mrs. E Brown	2503	L8	1	Teredo Navalis - A Population Density Study			
Student(s)			Nicholas Tatro		Grade	8	Town	Bozrah	
● Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science									
● Project Oceanology --- Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt									
● Banning Family Life Science Award --- For excellence in invasive species research. \$100 cash									

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Special Award Winners

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

Bridgeport Bridgeport Aquaculture School Mr. Shadle

6031	PS	1	The Investigation of the Role of Methylating Bacteria in the Reintroduction Of Mercury into Long Island Sound
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Student(s) Allison Haley

Grade 12 **Town** Shelton

- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- Project Oceanology --- Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt
- The Maritime Aquarium Environmental Stewardship Award --- 1 year Family Membership, Family iMax, Family Cruise
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Ecology

Bridgeport John Winthrop School Mr. Walsh

2530	L8	3	GMO or no GMO
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Student(s) Timothy Graham

Grade 8 **Town** Bridgeport

- CSF Board of Directors Award --- Certificate and \$50 Amazon gift card given by CSF

Bridgeport Park City Prep Charter School Mrs. Vicky Boudreau

5006	P7	3	Are some magnetic materials more temperature dependent than others?
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Student(s) Chancelle Negron

Grade 7 **Town** Bridgeport

- American Society for Quality - Thames Valley Section --- \$500 U. S. Savings Bond

Danbury Danbury High School Mr. LaRosa

3084	LS	1	The Biological Control of Zebra Mussels Using the Marine Natural Product Aaptamine.
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Student(s) Janine Kerr

Grade 9 **Town** Danbury

- The Goodwin-Niering Center for the Environment --- \$100 for "Excellence in Environmental Conservation Studies"
- Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Senior & T-Shirt
- Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Biodiversity

Danbury St. Joseph School Mrs. Page

2030	L7	1	How Does Caffeine Effect the Heart
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Student(s) Wes Gannon

Grade 7 **Town** Danbury

- U.S. Air Force --- Certificate, sport bag, speaker, organizer

Danbury St. Joseph School Mrs. Page

5005	P7	1	Designing an Effective Dye-Sensitized Solar Cells
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Student(s) Martha Haddad

Grade 7 **Town** Danbury

- ASM Materials Education Foundation --- Certificate & \$50 gift card to Amazon given by CSF & medallion
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF

Danbury St. Joseph School Mrs. Page

5032	P7	1	Ocean Wave and Tide Energy Project
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Student(s) James Parris

Grade 7 **Town** Brookfield

- American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSF
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF

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Danbury	St. Peter-Sacred Heart Upper School	Dr. Greg Capone	5538	P8	2	Making Wind Turbines Quieter and More Efficient		
Student(s)			Sarah Eriksson		Grade 8	Town	Naugatuck	
● Association for Women Geoscientists --- Certificate & \$50 girt card to Amazon given by CSF								
East Granby	East Granby Middle School	Mr. Langan	5039	P7	2	How Much Vitamin C Is In An Orange		
Student(s)			Jolie Berger		Grade 7	Town	East Granby	
● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner								
East Granby	East Granby Middle School	Mr.Langan	2016	L7	2	Rain...Runoff...Ramifications?		
Student(s)			Jonathan Kelly		Grade 7	Town	East Granby	
● Ricoh Corporation/Society for Science & the Public --- Certificate, Lapel Pin,\$50 gift card to Amazon given by CSF								
Fairfield	Fairfield College Preparatory School	Dr. Lewis	6008	PS	1	Novel Fiber Optic Dye Sensitized Solar Cell Aided by the Biosynthesis of Diatom Frustules		
Student(s)			Kyle Ryan		Grade 11	Town	Trumbull	
● Yale Science & Engineering Association, Inc. --- Certificate, Medallion,\$50 gift card to Amazon given by CSF								
● Yale Chapter of Sigma Xi, The Scientific Research Society --- Dinner at Mory's for four - with members of Yale Chapter of Sigma Xi								
● Lunch with a Patent Attorney --- Lunch with a Patent Attorney								
Fairfield	Fairfield Warde High School	Andrew Bramante	6045	PS	1	A Hidden Treasure; Dehumidification of Air Improves Indoor Air Quality		
Student(s)			Sofia Bramante		Grade 10	Town	Fairfield	
● The National Society of Professional Engineers --- Certificate, Lapel Pin,\$50 gift card to Amazon given by CSF								
● Society of Women Engineers - Hartford Section --- Scientific Calculator								
● Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related								
● Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences								
Fairfield	Our Lady of the Assumption School	Mrs. Kathy Almeida	5524	P8	2	Do Brightly Colored Roofs Reduce Thermal Radiation?		
Student(s)			Patrick Agonito		Grade 8	Town	Fairfield	
● CSF Board of Directors Award --- Certificate and \$50 Amazon gift catd given by CSF								
Fairfield	Our Lady of the Assumption School	Kathy Almeida	2540	L8	1	The Effects of De-Icing Salts and Chemical Compounds on Adiantum pedatum		
Student(s)			Amanda Gerstenfeld		Grade 8	Town	Fairfield	
● Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash								

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Fishers Island	Fishers Island School	Carol Giles	3009	LS	3	The Effect of Dance on Mood and Mental Acuity		
Student(s)			Katie McCarthy		Grade	11	Town	North Stonington
● U.S. Army --- Certificate and \$50 savings bond								
Forestville	St. Matthew School	Danielle Ricci	2537	L8	3	Make a Mummy Out of Me		
Student(s)			George Pittman		Grade	8	Town	Bristol
● Yale Peabody Museum --- Family “six-pack” of free passes to the Yale Peabody Museum								
Glastonbury	Smith Middle School	Mr. Falcigno	5528	P8	1	On the Application of Electrochemical Double Layer Capacitors		
Student(s)			Paul Han		Grade	8	Town	Glastonbury
● IEEE, Connecticut Section --- \$250 Honors Award -Junior								
● Barker Mohandas Award for Transportation Research --- \$250 Cash for Excellence in Transportation Related Research								
● John B. Trevor Award in Electrical Engineering --- \$500 cash award for an innovative electronic or electrical project								
● Leask/Francoeur Family Awards --- 1st Place Middle School- For innovation electrical engineering or computer science - \$100 cash								
Greens Farms	Greens Farms Academy	Dr. Mathieu Freeman	6056	PS	2	Production of High Quality Ceramic Coatings for Turbine Applications by Freeze Spray Deposition		
Student(s)			Kishan Patel		Grade	12	Town	Westport
● American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate								
Greens Farms	Greens Farms Academy	Dr. Mathieu Freeman	6052	PS	2	Paper Batteries: A Viable Lithium Ion Battery Technology		
Student(s)			William Picoli		Grade	12	Town	Wilton
● Northeast Utilities: Environmental Management --- Senior - \$250 Scholarship, pollution prevention, source reduction, recycling, min. waste								
Greenwich	Brunswick School	Dana Montanez	6004	PS	2	The Efficiency of Air Multiplication Technology versus the Efficiency of Bladed Fan Technology		
Student(s)			Spencer McDonough		Grade	10	Town	Greenwich
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate								
Greenwich	Brunswick School	Dana Montanez	3012	LS	2	Pseudoscience or Agriculturally Beneficial: The Effect of Magnetic Water on the Growth of Legumes		
Student(s)			Ashish Ramachandran		Grade	10	Town	Stamford
● Alumni Botany Awards --- Alumni High School Botany Award- \$100 Cash								

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Greenwich	Greenwich Academy	Ann Decker	3072	LS	3	Assessment of Lepidoptera Host Plant Preference at Mass Audubon's Felix Neck Wildlife Sanctuary		
Student(s) Elizabeth Wolf			Grade 10		Town Greenwich			
<ul style="list-style-type: none">● Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum● Lola Lampe Müller Award --- \$150 cash for a middle or high school project								
Greenwich	Greenwich High School	Andrew Bramante	6021	PS	2	Remediation of Heavy Metals from River Water via a Novel Lemna minor Activated On-line Filtration System		
Student(s) Nicholas Dorian			Grade 12		Town Riverside			
<ul style="list-style-type: none">● Stockholm Junior Water Prize --- Certificate, Letter,\$50 gift card to Amazon given by CSF, possible advance to further competition								
Greenwich	Greenwich High School	Andrew Bramante	6079	PS	1	Recovery of Light Hydrocarbon Fuels from PETE Recycling with Concurrent Reduction in the Recyclable Footprint		
Student(s) Clara Eizayaga			Grade 11		Town Riverside			
<ul style="list-style-type: none">● U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSF● Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related● MIT Club of Hartford K-12 Initiative --- For excellence in energy related research, high school, \$150 cash award								
Greenwich	Greenwich High School	Andrew Bramante	6049	PS	1	An Organic Thin Film Transistor and Elastic Organic Solar Cell Based Electronic Skin for Biochemical and Tactile Sensing		
Student(s) Ryota Ishizuka			Grade 12		Town Cos Cob			
<ul style="list-style-type: none">● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate● IEEE, Connecticut Section --- \$250 Honors Award -Senior● Coherent, Inc. Richard Hart Award for Excellence in Photonics --- \$300 cash, plaque, invitation to lunch and tour Coherent factory● Arthur Mensing Award --- \$500 cash award for excellence in the physical sciences								
Greenwich	Greenwich High School	Andrew Bramante	6063	PS	1	Simplified Detection of Aromatic Nitroamine Pesticides using Bee Venom Luminescence		
Student(s) Brittney Lew			Grade 11		Town Riverside			
<ul style="list-style-type: none">● Society of Women Engineers - Hartford Section --- Scientific Calculator								
Greenwich	Greenwich High School	Andrew Bramante	3042	LS	1	Mycoremediation of PCB Soil Contaminants with Pleurotus Ostreatus		
Student(s) Mallory Madfes			Grade 11		Town Greenwich			
<ul style="list-style-type: none">● U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSF● Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science● GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Environmental								

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Greenwich	Greenwich High School	Andrew Bramante	3008	LS	2	Which Intestinal Bacteria is Best? A study of the Effectiveness of Single and Multi-Strain Probiotics.		
Student(s)			Antony Manokhin		Grade 10	Town	Greenwich	
● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner								
Greenwich	Greenwich High School	Andrew Bramante	3045	LS	1	The Compatibility Between Pure 2-D Sericin Membranes and Cell Growth		
Student(s)			Jed McKinney		Grade 11	Town	Old Greenwich	
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate								
● Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSF								
Greenwich	Greenwich High School	Andrew Bramante	3070	LS	2	Non-Invasive Dissipation of 2,4-D Pesticide in Standing Water Using Iris Versicolor		
Student(s)			Anne Merrill		Grade 10	Town	Old Greenwich	
● Stockholm Junior Water Prize --- Certificate, Letter,\$50 gift card to Amazon given by CSF, possible advance to further competition								
Greenwich	Greenwich High School	Andrew Bramante	6032	PS	1	Design of a Smart Brick with Improved Insulation and Intuitive Reflection of Sunlight		
Student(s)			Lindsey Noskin		Grade 11	Town	Greenwich	
● The National Society of Professional Engineers --- Certificate, Lapel Pin,\$50 gift card to Amazon given by CSF								
● Connecticut Architecture Foundation --- \$100 Gift Certificate to Barnes and Nobles								
● Northeast Utilities: Environmental Management --- Senior - \$250 Scholarship, energy conservation and renewable energy sources								
● Society of Women Engineers - Hartford Section --- Scientific Calculator								
● University of Connecticut - Physics Department --- UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat								
● I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition Invitation to submit-								
● Education Connection- Center for 21st Century Skills Awards --- \$100 For innovation in science or engineering								
Guilford	Guilford High School	Mr. Cuddy	3032	LS	3	EMDR:Successfully Treating PTSD		
Student(s)			Allison Breeze		Grade 9	Town	Guilford	
● U.S. Army --- Silver medallion & Certificate & \$100 savings bond								
Guilford	Guilford High School	Mr. Cuddy	6036	PS	3	Finding the Perfect Basketball Shot		
Student(s)			Alyssa Devin		Grade 9	Town	Guilford	
● University of Connecticut - Physics Department --- UCONN Physics Department - Co-Op \$100 Gift Certificate								
Guilford	Guilford High School	Mr. Curtis	3022	LS	2	The Effect of Sodium Chloride on Heart Rate		
Student(s)			Luke Malinowski		Grade 9	Town	Guilford	
● U.S. Army --- Certificate and \$50 savings bond								

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Hamden	Hamden High School	Sonia Beloin	3061	LS	1	Role of MyD88 in DNA Damage Response		
Student(s)			Yiyuan Hu		Grade	12	Town	Hamden
● Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSF								
Hamden	Hamden High School	Sonia Beloin	3093	LS	2	Are High School Band Students at Risk for Hearing Damage?		
Student(s)			Jacob Zavatore-Veth		Grade	9	Town	Hamden
● American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project								
● Connecticut Academy of Audiology --- \$150 Cash Award High School- For Excellence in Audiology and Acoustics								
Hamden	Sacred Heart Academy	Dr. Christophy	6524	PST	2	The Toxic Truth About Paint: The Effects of VOCs on Paint Quality		
Student(s)			Emma Dragan		Grade	10	Town	Orange
			Sienna DeMaio		Grade	10	Town	Bethany
● Connecticut Architecture Foundation --- \$100 Gift Certificate to Barnes and Nobles								
Hamden	Sacred Heart Academy	Dr. Elizabeth Christophy	3075	LS	1	A Study of "Ebb and Flo" Aquaponics as the Most Effective Growing System for Romaine Lettuce as Compared to a Hydroponic and an Organic, Soil-Based, Growing System		
Student(s)			Olivia Kelly		Grade	10	Town	Shelton
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate								
● University of Connecticut - Physics Department --- UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate								
Hartford	Classical Magnet School	Ms.Paula Koenig	5044	P7	3	Aerodynamics		
Student(s)			Holly Weldon		Grade	7	Town	South Windam
● Bob Harris Fix It Award --- \$100 and Certificate								
Hartford	Hartford Magnet Trinity College Academy	Mrs. Penny Parmelee	5533	P8	3	Fermi Action		
Student(s)			Maya Ernest		Grade	8	Town	Windsor
● Henderson Award --- Certificate and \$50 Amazon gift card given by CSF								
Hartford	Hartford Magnet Trinity College Academy	Mrs.Parmelee	5549	P8	2	Rust Above The Rest		
Student(s)			Kevin Paradis		Grade	8	Town	East Hartford
● ASM Materials Education Foundation --- Certificate & \$ 50 gift card to Amazon given by CSF& medallion								
● American Society for Metals - Hartford Chapter --- \$100 Check								

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Hartford	Hartford Magnet Trinity College Academy	Mrs. Parmelee	5018	P7	2	Angling For Energy		
Student(s)			Amrit Parmanand		Grade 8	Town	Ellington	
● Wisner Award --- \$250 cash and plaque								
Hebron	Oei Home School	Mrs. Ellen Oei	5525	P8	1	Development of a Prototype Pendulum Wave Energy Conversion Device		
Student(s)			Maura Oei		Grade 8	Town	Hebron	
● MIT Club of Hartford K-12 Initiative --- For excellence in energy related research, middle school, \$150 cash award								
● Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash								
● ProConn Power Inc. Award for Sustainable Electrical Energy Research --- \$250 for Excellence in Sustainable Electrical Energy Research								
Kensington	St. Paul School	Bethany Perzanowski	2013	L7	1	THE ECO-FRIENDLY DIAPER: LANDFILL DESIGN. "The Type of Cloth Versus the Rate of Decomposition"		
Student(s)			Elizabeth Lopreiato		Grade 7	Town	New Britain	
● Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School Life Sciences								
Madison	Daniel Hand High School	Madhuparna Roychoudhury	6517	PST	1	Can you charge your phone wirelessly? Cordless electricity transmission by piezoelectric excitation via low frequency acoustic waves.		
Student(s)			Shayan Roychoudhury		Grade 9	Town	Madison	
			Wesley Kimmel		Grade 10	Town	Madison	
● GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Energy								
Madison	Our Lady of Mercy School	Rosalie Zonder	4004	PT	2	Disappearing Act		
Student(s)			Clara Bechtold		Grade 7	Town	Madison	
			Clare Gagliano		Grade 7	Town	Madison	
● American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSF								
Manchester	East Catholic High School	Ms. Holly Noble	6002	PS	1	Polyvinylidene Fluoride (PVDF) Piezoelectric Generator: A Novel Approach to Harvesting Vibrations from Human Respiration to Power Biological Implant Devices		
Student(s)			Bridget Oei		Grade 10	Town	Hebron	
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate1								
● CT Technology Council Youth Innovation Award --- \$150 Cash Award for Technological Innovation								
● I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition for student (2) and advisor - 2nd Place HS Future Sustainability								

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Manchester	St. Bridget School	Kim Maysonet	5502	P8	1	The Stirling Engine and the Effect of Temperature Differential on Engine Performance		
Student(s)			Nicole Robitaille		Grade 8	Town	Manchester	
● Society of Women Engineers - Hartford Section --- Scientific Calculator								
Middletown	Xavier High School	Manoj Rahematpura	6515	PST	1	Testing the Viability of Adaptive Winglet Technology to Improve Fuel Efficiency on Midsize Commercial Airlines using Computational Fluid Dynamics		
Student(s)			Christopher Muckle		Grade 12	Town	Madison	
			Miraj Rahematpura		Grade 12	Town	Middletown	
			Mario Chris		Grade 11	Town	Storrs	
● American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate								
● I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition for student (2) and advisor								
New Britain	Sacred Heart School	Miss Kornas	4005	PT	3	Egg-ceptional Packaging Material		
Student(s)			Maximilian Muller		Grade 8	Town	Berlin	
			Briana Muller		Grade 7	Town	Berlin	
● Sister Mary Christine Life Sciences Award --- \$100 and plaque for excellence in the life sciences by a middle school project								
New Haven	Betsy Ross Arts Magnet School	Mrs. Cichus	2022	L7	3	One Dog's Poop, Another Man's Treasure.		
Student(s)			Brian Brigham		Grade 7	Town	Orange	
● The Children's Museum --- 1 family 4-Pack of Admission Passes to the Children's Museum								
New Haven	Cooperative Arts & Humanities High School	Shelia Martin-Corbin	6071	PS	2	Battle Of The Solvents-thin Layer Chromatography		
Student(s)			Mairead Brennan		Grade 9	Town	New Haven	
● David and Torrey Fenton Awards --- For creative work in the physical sciences- high school; \$200 cash								
New Haven	Worthington Hooker Middle School	Douglas Jones	2033	L7	2	The Clean Water Project		
Student(s)			Yogasai Gazula		Grade 7	Town	New Haven	
● Environmental/ Energy Award- Urban Public School Student --- \$100 Award for top environmental or alternative energy project from a New Haven public school								
Newtown	St. Rose of Lima School	Mrs. Dimon	5025	P7	1	The Investigation of the Presence of Caffeine in Groundwater and Sewage		
Student(s)			Grace Herrick		Grade 7	Town	Sandy Hook	
● Association for Women Geoscientists --- Certificate & \$50 gift card to Amazon given by CSF								
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF								

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Newtown	St. Rose of Lima School	Mrs. Marde Dimon	1012	LT	2	The Effect of Electromagnetic Fields on Scenedesmus Algae Cells		
Student(s)			Katerina Ringes		Grade 8	Town	Sandy Hook	
			Marina Renzi		Grade 8	Town	Newtown	
● Connecticut Science Supervisors Association --- \$125 for a middle school project								
Norwalk	The Montessori Middle School	Carolyn Ogden-Stenerson	5521	P8	2	Experimental Evaluation of Techniques for Protecting Users from Malware Attacks		
Student(s)			Samyukt Kumar		Grade 8	Town	Stamford	
● IEEE, Connecticut Section --- \$100 Honorable Mention								
Norwalk	The Montessori Middle School	Carolyn Stenerson	2023	L7	3	Hydroponic Tomatoes		
Student(s)			Olivia Pritchard		Grade 7	Town	Fairfield	
● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner								
Norwalk	West Rocks Middle School	Sue Delong	2506	L8	3	Balance		
Student(s)			Vivain Conley		Grade 8	Town	Norwalk	
● Connecticut Academy of Audiology --- \$150 Cash Award Middle School- For Excellence in Audiology and Acoustics								
Norwich	Norwich Free Academy	Mrs. Jones	6016	PS	1	Utilizing a Robotic Turning Mechanism to Focus on the Sun in Order to Maximize the Efficiency of a Parabolic Trough Water Heating System		
Student(s)			Remington Carle		Grade 11	Town	Norwich	
● Connecticut Association of Physics Teachers --- \$100 Senior project								
● IEEE, Connecticut Section --- \$100 Honorable Mention								
● I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition for student (2) and advisor								
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Orange	Southern Connecticut Hebrew Academy	Mrs. Howell	4010	PT	1	Analysis and Bioavailability of Chemical Dyes Versus Natural Dyes with their Antioxidant Benefits.		
Student(s)			Chana Piekarski		Grade 7	Town	Hamden	
			Esther Caroline		Grade 7	Town	New Haven	
● David and Torrey Fenton Awards --- For creative work in the physical sciences- middle school; \$200 cash								
● Stanley Lessoff Award for Excellence In Analytical Technique --- \$200 Cash and Plaque								
Orange	Southern Connecticut Hebrew Academy	Mrs. Karen Howell	2543	L8	1	Phytoremediation: Removal of metal pollutants from contaminated soil and effect of chelators		
Student(s)			Alex Russell		Grade 8	Town	New Haven	
● American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSF								
● Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, waste recycling related								

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Orange	Southern Connecticut Hebrew Academy	Karen J Howell						
2507	L8	1	Analysis of Local Watershed and River Contaminated Sediments, and Effect on River and Long Island Sound Waters					
Student(s)			Hadassah Sessel		Grade 8	Town	Orange	
<ul style="list-style-type: none">● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF● Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science● Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Junior & T-Shirt● Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash● The Maritime Aquarium Environmental Stewardship Award --- 1 year Family Membership, Family iMax, Family Cruise.								
Pawcatuck	St. Michael School	Mr. DeNoia						
1019	LT	1	The Mighty Houseplant					
Student(s)			Kelly Giffault		Grade 7	Town	Stonington	
			Paige Giffault		Grade 7	Town	Stonington	
<ul style="list-style-type: none">● Connecticut College-Biological and Botany Department --- \$100 for excellence in the biological sciences● Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, air pollution related● Connecticut Valley Biological Supply Company, Inc. --- \$50 Gift Certificate								
Pawcatuck	St. Michael School	Mr. DeNoia						
4017	PT	2	"Block that Sound"					
Student(s)			Sarah Hillegass		Grade 8	Town	Stonington	
			Kate Peglow		Grade 8	Town	Old Mystic	
<ul style="list-style-type: none">● American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project								
Plantsville	John F. Kennedy Middle School	Pepin						
4015	PT	1	The Windy 500: The Test of Drag and Down Force on Rear Spoilers					
Student(s)			Emily Maciejewski		Grade 8	Town	Plantsville	
			Laura Koba		Grade 8	Town	Southington	
<ul style="list-style-type: none">● U.S. Air Force --- Certificarte, sport bag, speaker, organizer								
Plantsville	John F. Kennedy Middle School	Mrs. Pepin						
1017	LT	1	The Effects of Global Warming on Marine Life					
Student(s)			Kimberly Stafko		Grade 7	Town	Southington	
			Alexa Maddalena		Grade 7	Town	Southington	
<ul style="list-style-type: none">● National Oceanic and Atmospheric Administration --- Certificate, medallion, and \$50 gift card to Amazon given by CSF								
Putnam	Putnam Science Academy	Serdar Haytiyev						
6510	PST	1	Efficient and Practical Approach to Removal of BTEX from Industrial Waste Water by Using Tea Waste					
Student(s)			Rejepmuhammet Gurbannazarov		Grade 10	Town	Putnam	
			Kerem On		Grade 10	Town	Putnam	
<ul style="list-style-type: none">● American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project								

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Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Putnam	Putnam Science Academy	Serdar Haytiyev	6503	PST	1	Effective Removal of BTEX from Industrial Wastewater by Using Banana Peels as an Environmentally Friendly and Low-Cost Bio-Sorbent		
Student(s)			Grade		Town			
Serik Tukupov			11		Putnam			
Vali Gasimov			11		Putnam			
Humza Ahmed			11		Tolland			
<ul style="list-style-type: none">American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 projectI-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition Invitation to submit-								
Redding	Joel Barlow High School	Katherine Nuzzo	6076	PS	2	Surfactants: Emulsification Effects of Synthetic, Microbial and Plant-Derived Surfactants		
Student(s)			Grade		Town			
Morgan Jordan			12		Easton			
<ul style="list-style-type: none">I-SWEEEP (International Sustainable World Project Olympiad) --- I-SWEEEP Competition for student (2) and advisor - 1st Place HS Future Sustainability								
Ridgefield	East Ridge Middle School	Mr. Bozzuto	2520	L8	3	Musical Sociology: The Placebo Effect in Action		
Student(s)			Grade		Town			
Gwendolyn Ellis			8		Ridgefield			
<ul style="list-style-type: none">American Psychological Association --- Certificate, \$50 gift card to Amazon given by CSF								
Ridgefield	East Ridge Middle School	Ms. Sullivan	4002	PT	1	Determining Amount Of Sugar, Salt, and Alcohol in a Water Solution with a Laser Pointer		
Student(s)			Grade		Town			
Martin Herlihy			8		Ridgefield			
Brendan Donnelly			8		Ridgefield			
<ul style="list-style-type: none">ISA - International Society for Automation --- 3rd - \$50 award								
Shelton	Shelton High School	Mrs. Dunham	6066	PS	1	Revolutionizing Cancer Treatment: A Simulation of Nanocarriers Using Swarm Intelligence for Targeted Cancer Cells		
Student(s)			Grade		Town			
Rigel Mahmood			10		Shelton			
<ul style="list-style-type: none">Intel Excellence in Computer Science Award --- \$200 & certificateIEEE, Connecticut Section --- \$100 Honorable Mention								
Southington	Joseph A. DePaolo Middle School	Mrs. Brostrom	5007	P7	2	Distracted Driving		
Student(s)			Grade		Town			
Michael Freeman			7		Southington			
<ul style="list-style-type: none">American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project								
Stafford Springs	St. Edward School	Mrs. Napolitano	5509	P8	2	Digital Pinhole Cameras and the Effect of Aperture Size on Image Sharpness		
Student(s)			Grade		Town			
Amy Agro			8		Somers			
<ul style="list-style-type: none">Dreams Unlimited --- \$100 cash award + certificate								

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Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Stafford Springs	St. Edward School	Mrs. Donna Napolitano	5519	P8	2	Flammability and Fabric Softener		
Student(s)			Lindsay Albert			Grade 8	Town	Stafford Springs
● American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project								
Storrs	E. O. Smith High School	Jon Swanson	3017	LS	3	Determination of evolutionary relationships among coral species by comparison of nuclear and mitochondrial DNA markers		
Student(s)			Jonas Burkhard			Grade 10	Town	Mansfield Center
● Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum								
Storrs	E. O. Smith High School	Robert Pirrie	6026	PS	1	Membranes for Biochemical Separations		
Student(s)			Paula Chen			Grade 11	Town	Storrs
● Yale Science & Engineering Association, Inc. --- Certificate, Medallion,\$50 gift card to Amazon given by CSF								
Stratford	Harry B. Flood Middle School	Mr. Gorski	4016	PT	2	Linear Accelerator		
Student(s)			Chris Kovach			Grade 8	Town	Stratford
			Dhruva Chagi			Grade 8	Town	Stratford
● ISA - International Society for Automation --- 2nd - \$75 award								
● Harvey Hubbell Foundation Award --- \$100 For Excellence in Engineering								
Stratford	St. Mark School	Phillip Flynn	5012	P7	1	Go With The Flow: Applying Darcy's Law to the Flow of Groundwater		
Student(s)			Gabriella Larizza			Grade 7	Town	Stratford
● Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Junior Physics & teeshirt								
● Randy Gibson Award for Earth Science Research --- \$100 cash and plaque								
● Society of Women Engineers - Hartford Section ---								
Stratford	St. Mark School	Mr. Flynn	5523	P8	3	Measuring the Speed of Light Using a Microwave		
Student(s)			Cheyenne Perez			Grade 8	Town	Stratford
● ISA - International Society for Automation --- 1st - \$125 award								
Stratford	St. Mark School	Mr. Phil Flynn	5022	P7	1	A Bright Idea: Comparing the Efficiency of Incandescent, CFL, and LED Light Bulbs		
Student(s)			Megan Robertson			Grade 7	Town	Stratford
● Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School, Physical Sciences								
● Wilfred A. Müller Award --- \$150 cash award for creative use of mathematics								

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Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Trumbull	Christian Heritage School	Mrs. Oshin	4022	PT	2	How do acids effect cupcake size?		
Student(s)			Lindsey Augustin		Grade 8		Town Stratford	
			Josie Bentlage		Grade 8		Town Shelton	
● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner								
Trumbull	Christian Heritage School	Dan Cote	6053	PS	2	The general equation of the sum of power series		
Student(s)			Xiaofei Yu		Grade 11		Town Shelton	
● Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSF								
Watertown	The Taft School	Mr. Michael McAloon	3062	LS	1	From Shape Recognition to Multi-Calculus Thinking: Study of Geometric Perception and Spatial Cognition in Early Alzheimer's Disease Patients		
Student(s)			Xinhe Zheng		Grade 11		Town Watertown	
● Otero Family Award --- The Otero Family Award; \$200 cash								
West Hartford	American School for the Deaf	Mary Laporta	3501	LST	1	Beluga Behavior Study		
Student(s)			Dazjahnique Parker		Grade 11		Town Ansonia	
			Faye Frez-Albrecht		Grade 11		Town Canton	
			Lynette Saucier		Grade 11		Town Bristol	
● Long Island Sound Foundation, Inc. --- \$500								
● Mystic Aquarium --- \$100 and 4 Admission Tickets to Mystic Aquarium								
West Hartford	St. Timothy Middle School	Mrs. Breen	5542	P8	2	Killer Waves		
Student(s)			Stephen Gosselin		Grade 8		Town West Hartford	
● Biophysical Society --- Biophysics Award- \$100								
Westbrook	Westbrook Middle School	Ms. Lepore	2025	L7	3	Think Fast		
Student(s)			Jason Matunas		Grade 7		Town Westbrook	
● American Psychological Association --- Certificate, \$50 gift card to Amazon given by CSF								
Westport	Staples High School	Dr. Nicholas Morgan	6033	PS	1	NGC 2194: Clues to Stellar Evolution		
Student(s)			Kim Adler		Grade 11		Town Westport	
● Astronomical Society of Greater Hartford --- Senior Project-\$150, subscription to Sky and Telescope magazine and ASGH meeting invitation								
● Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Senior Physics & teeshirt								

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Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Westport	Staples High School	Dr. Michele Morse	3033	LS	2	Chaos in Bacterial Growth with Sinusoidal Temperature Cycles		
Student(s)			Michael Menz			Grade	11	Town Westport
● Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSF								
Westport	Staples High School	Alfred J. Scheetz	3046	LS	1	Optogenetic Interrogation of Prefrontal Cortex Dopamine D1 Receptor-Containing Neurons as a Technique to Restore Timing: A Novel Approach to Treat Prefrontal Disorders		
Student(s)			John Solder			Grade	12	Town Westport
● Connecticut Science Supervisors Association --- \$125 for a high school project								
Westport	Staples High School	Dr. Nick Morgan	3037	LS	2	The Application of the Photosynthetic Hydrogen Production of C. reinhardtii in Hydrogen Fuel Cells		
Student(s)			Jay Tsai			Grade	12	Town Westport
● Education Connection- Center for 21st Century Skills Awards --- \$100 For innovation in science or engineering								
Wilton	Middlebrook School	Norman Kendra	5516	P8	1	Material Density vs. Angle of Refraction		
Student(s)			Mishil Nana			Grade	8	Town Wilton
● Astronomical Society of Greater Hartford --- Junior Project-\$100, subscription to Sky and Telescope magazine and ASGH meeting invitation								
Windsor	Madina Academy	Aisha Seyal	2527	L8	1	Manufacturing and Biodegrading Bioplastics: Observing the speed of biodegradation of potato, rice, tapioca and corn starch based plastics.		
Student(s)			Muhammad Ali			Grade	8	Town Windsor
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF								
● Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science								
● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner								
Windsor	Madina Academy	Aisha Seyal	2515	L8	2	Polypropylene Oil Magnets: A comparison of this novel approach using ferrofluids to established methods of oil spill removal including OEMs, woodchips, hay, and compost.		
Student(s)			Ayesha Khan			Grade	8	Town Windsor
● U.S. Air Force --- Certificarte, sport bag, speaker, organizer								
Woodbridge	Amity Regional High School	Deborah Day	6044	PS	2	The Power of Domes Geodesic Domes Versus Flat Panels: Solar Efficiency		
Student(s)			Daniel Giebisch			Grade	9	Town Woodbridge
● U.S. Army --- Certificate and \$50 savings bond								
● Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research. \$100 cash award								

Connecticut Science Fair

Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Woodbridge Amity Regional High School Deborah Day

6006	PS	2	Effect of Indexing String Length On Speed and Memory Usage for Digital Karyotyping Query Algorithms
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Student(s) Jordan Henck

Grade 11 **Town** Woodbridge

- Intel Excellence in Computer Science Award --- \$200 & certificate
- Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$200 cash
- Leask/Francoeur Family Awards --- 1st Place High School- For innovation electrical engineering or computer science - \$200 cash

Woodbridge Amity Regional High School Deborah Day

6030	PS	2	Significance of Supernovae on Nearby Near-Supernova White Dwarves
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Student(s) Ehsan Khan

Grade 11 **Town** Bethany

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