



Connecticut Science Fair

Quinnipiac University

March 11 - 15, 2008

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

Special Awards

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)
Avon	Talcott Mountain Academy	Mr. Meredith	5013	P7	1	Natural Spirals and Mathematical Series		
						Student(s) Emily E. Baczyk	Grade 7	Town Avon
							IEEE, Connecticut Section	\$100 Honorable Mention gift cetificate
Avon	Talcott Mountain Academy	Mr. Meredith	5022	P7	2	Look Ma, No Batteries		
						Student(s) Michael A. Basmajian	Grade 7	Town Torrington
							The National Society of Professional Engineers UTC Retirees Award in Memory of Arthur E. Mensing The Connecticut Light and Power Company Awards	Certificate, Lapel Pin, \$50 CSF gift certificate \$100 Cash \$100 and plaque - For Novel Energy Research, Middle School
Avon	Talcott Mountain Academy	Jonathan Craig	2527	L8	1	Backyard Antibiotics		
						Student(s) Brent A. Murcia	Grade 8	Town Glastonbury
							Peabody Fellows Program in Biodiversity and Human Health	Peabody Museum Award; \$50 check, Membership, relevant book(s), and certificate for Junior Project
Avon	Talcott Mountain Academy	Mark Meredith	5540	P8	1	Determining Thermal Conductivity		
						Student(s) Alexander Rainville	Grade 8	Town Granby
							Connecticut College-Physics, Astronomy, & Geophysics Dept.	\$100 and certificate, Junior Physics
Bethel	Bethel High School	Ms. Bly	6508	PST	2	Efficiency of Containers		
						Student(s) Omkar R. Betageri Chih-Kai Chang	Grade 11 11	Town Bethel Bethel
							The Children's Museum (formerly Science Center of Connecticut)	1 family plus membership to the Children's Museum (formerly Science Center of Connecticut)
Bozrah	Fields Memorial School	Mrs. Evelyn Brown	5547	P8	1	Suspension Bridge Strength		
						Student(s) Ian D. Dakers	Grade 8	Town Bozrah
							U.S. Air Force	Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder
							The National Society of Professional Engineers	Certificate, Lapel Pin, \$50 CSF gift certificate
Bozrah	Fields Memorial School	Mrs. Brown	4001	PT	2	Trebuchets		
						Student(s) John W. Rollinson Tyler Hayslip	Grade 7 7	Town Bozrah Bozrah
							U.S. Air Force	Certificate & \$50 gift certificate from CSF

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Brewster	Brewster High School	Ed Schmidt	3045	LS	1	Mudslide Mitigation Protocols for Southern California using Enhanced Germination Technologies in Larrea tridentata		
Student(s) Dorothy M. Klein							Grade 12	Town Brewster
							The Goodwin-Niering Center	\$100 for "Excellence in Environmental Conservation Studies"
Bridgeport	Bassick High School	Donna Koolis	6050	PS	3	Is There Difference Between the Grooves on a CD and a DVD?		
Student(s) Cristian G. Hernandez							Grade 9	Town Bridgeport
							Scientific American	Cerificate & subscription to Scientific American
Bridgeport	Bassick High School	Brian O'Shea	6045	PS	3	Water Bottle Rocket		
Student(s) Matthew Pham							Grade 9	Town Bridgeport
							Scientific American	Cerificate & subscription to Scientific American
Bridgeport	Bridgeport Aquaculture School	Mr. Shadle	3009	LS	2	Monitoring Mortality Rates of Bay Scallops, Argopecten irradians, as Applied in South-Western Long Island Sound via a Long Line Cultivation System		
Student(s) Ryan C. Kingston							Grade 12	Town Shelton
							Scientific American Project Oceanology	Cerificate & subscription to Scientific American Individual - Book + 2 tickets+ \$100 check, First Place Senior
Bridgeport	Bridgeport Aquaculture School	Mr Shadle	3525	LST	1	A Comprehensive Ecological Baseline Analysis of an Isolated Marsh Grass Ecosystem for the Implementation of a Restoration Program		
Student(s) Joshua S. Villafane							Grade 12	Town Bridgeport
Sydney M. Williams							12	Bridgeport
Brandon A. Simmons							12	Bridgeport
							Scientific American Long Island Sound Foundation, Inc.	Cerificate & subscription to Scientific American \$1000 Life Science/Environmental Science/Physical science
Bridgeport	Bridgeport Hope School	Elizabeth Deshotel	1018	LT	1	Bird Color Preference		
Student(s) Bonne-Elise Y. Deshotel							Grade 8	Town Bridgeport
Alissa S. Montanaro							8	Bridgeport
							Lola Lampe Müller Award	\$150 cash for a middle or high school project
Bridgeport	Central High School	Mrs.Dristchler	6029	PS	2	Greywater		
Student(s) LaChana V. Flanders							Grade 9	Town Bridgeport
							Scientific American	Cerificate & subscription to Scientific American
Bridgeport	John Winthrop School	Ms. Beres	5004	P7	2	Which is the Best Sensor?		
Student(s) Thomas M. Velez							Grade 7	Town Bridgeport
							CSF Board of Directors Award	\$50 Gift Certificate

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Bridgeport	Warren Harding High School	Mr. Vigeant	3005	LS	3	Paper or Plastic?		
					Student(s) Louis Ellis	Grade 11	Town Bridgeport	
			Scientific American Certificate & subscription to Scientific American					
Cheshire	Cheshire Academy	Barbara McWhirter	3056	LS	2	A Taxonomic Review and Identification of Living Habits of the Family Lucanidae ('Stag Beetles') in Korea		
					Student(s) Sang il Kim	Grade 10	Town Cheshire	
			Connecticut College-Biological Sciences Department \$100 for excellence in the biological sciences					
Danbury	Broadview Middle School	Edie Mullally	1010	LT	1	Usual Oral Flora		
					Student(s) Garrett A. Rose Nicholas P. Ciliberto	Grade 8 8	Town Danbury Danbury	
			U.S. Air Force Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder					
Danbury	Danbury High School	Mr. Craig Smigala	6018	PS	2	In Pursuit of the Wolf: A Quantitative Analysis of Tones on the Violin		
					Student(s) Benjamin S. Altman	Grade 9	Town Danbury	
			Intel Excellence in Computer Science Award \$200 & certificate					
Danbury	Danbury High School	John Larosa	6026	PS	1	Phytonutrients Ability to Neutralize Free Radicals and Act as Antioxidants		
					Student(s) Allie Bukowski	Grade 9	Town Danbury	
			Institute of Food Technologists, Nutmeg Section \$50 award + invitation to dinner for student and 2 guests					
Danbury	Danbury High School	Larosa	6053	PS	1	The Effects of Temperature on the Hardenability of Metals		
					Student(s) Joshua Goldenberg	Grade 10	Town Danbury	
			ISA - The Instrumentation, Systems and Automation Society 1st - \$125 award					
Danbury	Danbury High School	Mrs. Larosa	6049	PS	1	The Creation of Emulsion Between Oil-in-Water Surfactants		
					Student(s) Shadman Karim	Grade 10	Town Danbury	
			Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps High School- Certificate, \$75.00 gift certificate					
Danbury	Rogers Park Middle School	Mrs. Zaleta	1008	LT	1	The Ultraviolet Ultimatum: Do or Die. The Effects of Ultraviolet Radiation on Brassica rapa and Trionfo violetto		
					Student(s) Michele E. Mikhitarian Evan T. Lunt	Grade 8 8	Town Danbury Danbury	
			U.S. Air Force Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder Connecticut State Department of Health Laboratory Employees \$100 award					

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Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Danbury	St. Joseph School	Ms. Catherine Vill	5556	P8	1	Convert Waste to Energy		
			Student(s)		Narmien Haddad	Grade	8	Town Danbury
					Women in Nuclear Society of Women Engineers - Hartford Section	\$500 Scholarship	Scientific Calculator	
East Hartford	East Hartford High School	Mr. Tim Reid	6023	PS	3	Designer Surgical Tape: What Type Of Surgical Tape Is Best For Your Skin		
			Student(s)		Jessica L. Guastamachio	Grade	11	Town East Hartford
					YSEA - Yale Science & Engineering Association, Inc.	Certificate, Medallion, \$50 Gift Certificate from CT Science Fair		
East Haven	East Haven Academy	Mrs. Staires	2537	L8	3	The Golden Rectangle and Fibonacci Sequence Found in Nature		
			Student(s)		Qingyu K. Xu	Grade	8	Town East Haven
					Connecticut Architecture Foundation	\$100 U.S. Savings Bond		
East Lyme	East Lyme High School	Dr. James Michaelson	3022	LS	1	Development of a Computer Model of Cancer Metastasis to Identify Screening Strategies for Reducing the Lethal Burden of Malignant Melanoma		
			Student(s)		Priya G. Ranade	Grade	11	Town East Lyme
					U.S. Army	\$50 savings bond & Certificate		
					American Society for Quality - Thames Valley Section	\$300 U. S. Savings Bond		
					Connecticut Association of Physics Teachers	\$100 Senior project		
Fairfield	Fairfield Warde High School	Ms. Faggella	6004	PS	2	A Novel Exploration of the Theory of Calculus and its Applications to Circular Motion		
			Student(s)		Evan N. Feinberg	Grade	11	Town Fairfield
					U.S. Metric Association	Certificate & CSF \$50 Gift Certificate.		
					Connecticut College-Physics, Astronomy, & Geophysics Dept.	\$100 and certificate, Senior Physics		
Fairfield	Fairfield Warde High School	Ms. Faggella	3013	LS	1	Development of a Therapeutic Nanostructured Smart Gel: A Novel Approach to Chronic Pain Management		
			Student(s)		Anita Gade	Grade	11	Town Fairfield
					U.S. Department of Health & Human Services	Certificate & CSF \$50 Gift Certificate.		
					U.S. Air Force	Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder		
					Canberra Medical Science Award	\$100 Cash and Plaque - For Biomedical Research		
Fairfield	Fairfield Woods Middle School	Venkat Gade	2535	L8	2	Impact of Trans-fat Elimination on Reducing Heart Disease: An Epidemiological Study Framework		
			Student(s)		Neil V. Gade	Grade	8	Town Fairfield
					U.S. Department of Health & Human Services	Certificate & CSF \$50 Gift Certificate.		

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Fairfield	Hillel Academy	Mrs. Karen Howell	2020	L7	1	Analysis of Spice Curcumin -- Antioxidant, Antibacterial Agent and Effect on Cell Absorption		
			Student(s)		Micol L. Bedarida	Grade	7	Town New Haven
					CURE BioBus Educational Programs	CURE Award for Research Excellence - MS Life Science; Limited edition crystal award; \$50 gift card		
					Institute of Food Technologists, Nutmeg Section	\$50 award + invitation to dinner for student and 2 guests		
Fairfield	Hillel Academy	Mrs. Karen Howell	2538	L8	1	Analysis of Wetland Dieback of Marsh Spartina Alterniflora on Long Island Sound		
			Student(s)		Sarah D. Kennedy	Grade	8	Town Fairfield
					Ricoh Corporation	certificate and CSF \$50 Gift Certificate		
					Long Island Sound Foundation, Inc.	\$1000 Life Science/Environmental Science/Physical science		
					Southeastern New England Marine Educators	\$75 award and membership in SENEME - 1st Place Junior		
					University Of Connecticut - Plant Science Department	1st Place for excellence in Plant Science, \$100 cash and certificate, Jr High		
					Connecticut Association of Biology Teachers Awards	\$100 for student and membership in CTABT for teacher		
Fairfield	Hillel Academy	Mrs. Karen Howell	4004	PT	1	Quantitative Analysis of Cellulosic Biofuels and Their Effect on Environment		
			Student(s)		Daniel Salem Benjamin M. Ellenberg	Grade	8 8	Town New Haven Easton
					Chemtura Corporation Awards	2nd Place for excellence in chemistry; \$200 and plaque		
Fairfield	Hillel Academy	Mrs. Karen Howell	1012	LT	1	Analysis of Energy Beverages & Caffeine's Effect on Cell Hydration & Nutrient Bioavailability		
			Student(s)		Jason L. Wiener Yaakov Breiner	Grade	7 7	Town New Haven Bridgeport
					Institute of Food Technologists, Nutmeg Section	\$50 award + invitation to dinner for student and 2 guests		
					Connecticut Science Supervisors Association	\$125 for a middle school project		
Fairfield	Holy Family School	Mrs. Kelly Collins	5007	P7	3	Picture Perfect		
			Student(s)		Michelle C. Martire	Grade	7	Town Trumbull
					Association for Women Geoscientists	Certificate + CSF \$50. Gift Certificate		
Fairfield	Holy Family School	Mrs. Kelley Collins	4010	PT	3	I Can't Believe it's not Copper		
			Student(s)		Leo W. Williams Chris M. Morgan	Grade	7 7	Town Bridgeport Fairfield
					American Society for Metals - Hartford Chapter	\$100 Check		
Fishers Island	Fishers Island School	Mrs. Carol Giles	6055	PS	3	What Insulation is "Pitch-ure" Perfect?		
			Student(s)		Elizabeth A. Brogno	Grade	12	Town Pawcatuck
					American Society of Safety Engineers, CT Valley Chapter	\$150 grade 9-12 projects + dinner meeting invitation		

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Fishers Island	Fishers Island School	Mrs. Carol Giles	6065	PS	1	The Slot Effect, Scientific Fact or Sailor's Myth		
			Student(s)		Emily W. Cummin	Grade	12	Town Mystic
			Meyerand Young Woman Scientist Awards \$300 cash - High School, Physical Sciences					
Fishers Island	Fishers Island School	Mr. John Weil	6015	PS	2	The Wall Woofers		
			Student(s)		Charles C. Dutka	Grade	11	Town Uncasville
			Herbert Hoover Presidential Library Association Medallion & certificate & CSF \$50 Gift Certificate.					
Fishers Island	Fishers Island School	Mr. John Weil	6013	PS	3	Air Powered Lawn Mower		
			Student(s)		Matthew R. Skinner	Grade	11	Town Quaker Hill
			Herbert Hoover Presidential Library Association Medallion & certificate & CSF \$50 Gift Certificate. U.S. Air Force Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder					
Glastonbury	Glastonbury High School	Veronica Hanlon	6509	PST	1	Stains Away!		
			Student(s)		Rachel C. Patton Victoria A. Hervieux	Grade	9 9	Town Glastonbury Glastonbury
			American Society of Safety Engineers, CT Valley Chapter \$150 grade 9-12 projects + dinner meeting invitation					
Greens Farms	Greens Farms Academy	Mathieu J. Freeman	6001	PS	3	Automated Minesweeper for Military Applications		
			Student(s)		William B. Buchanan III	Grade	12	Town New Canaan
			The Harvey Hubbell Foundation Award \$100 For Excellence in Engineering The John B. Trevor Award for Electrical or Electronic Projects \$250 Cash Award					
Greens Farms	Greens Farms Academy	Dr. Mathieu J. Freeman	6033	PS	2	Feasibility of Low Temperature Proton Exchange Membrane Fuel Cells		
			Student(s)		Michael A. Pavlis	Grade	12	Town Fairfield
			U.S. Army \$50 savings bond & Certificate IEEE, Connecticut Section \$100 Honorable Mention gift certificate					
Greenwich	Greenwich High School	Andrew Bramante	3037	LS	1	Finding the Optimal Conditions for the Permeation of Insulin through Porcine Intestine and Poultry Skin		
			Student(s)		Eliana N. Carmona	Grade	11	Town Greenwich
			Society for In Vitro Biology certificate and CSF \$50 gift certificate					
Greenwich	Greenwich High School	Andy Bramante	6024	PS	2	The Aging-Dependence of Wine on Bottle Top Closures		
			Student(s)		Harris W. Davidson	Grade	12	Town Old Greenwich
			Institute of Food Technologists, Nutmeg Section \$50 award + invitation to dinner for student and 2 guests					

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Greenwich	Greenwich High School	Andrew Bramante	6506	PST	1	New Artificial Turf: Is it Environmentally Friendly?	Water Environment Federation	Certificate, Letter, CSF \$50 Gift certificate, possible advance to further competition		
			Student(s)		Courtney A. Fogwell Likhitha R. Aidunuthula		Grade	12 9	Town	Greenwich Greenwich
Greenwich	Greenwich High School	Andrew Bramante	3021	LS	1	Tracing the Migration of Pesticides Through the Production of Southwestern Connecticut Honey	CURE BioBus Educational Programs	CURE Award for Research Excellence - HS Life Sciences; Limited edition crystal award; \$50 gift card		
			Student(s)		Eliza H. McNitt		Grade	11	Town	Greenwich
Greenwich	Greenwich High School	Andrew Bramante	6060	PS	2	Detecting Compromised Accounts in Instant Message Traffic	Intel Excellence in Computer Science Award U.S. Army Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps	\$200 & certificate \$50 savings bond & Certificate High School- Certificate, \$75.00 gift certificate		
			Student(s)		Michael G. Miller		Grade	12	Town	Old Greenwich
Greenwich	Greenwich High School	Andrew Bramante	6003	PS	1	Energy Extraction from Human Biowaste at Reduced Temperatures	Northeast Utilities: Environmental Management Chemtura Corporation Awards	Senior - \$250 Scholarship, pollution prevention, source reduction, recycling, min. waste 1st Place for excellence in chemistry; \$300 and plaque		
			Student(s)		Michael D. Tom		Grade	11	Town	Greenwich
Greenwich	Greenwich High School	Andrew Bramante	3048	LS	1	Tear Content May Predict Vulnerability to Stress Related Disease	U.S. Army The Otero Family Award	\$50 savings bond & Certificate The Otero Family Award; \$150 cash		
			Student(s)		Sophie H. Vos		Grade	11	Town	Riverside
Greenwich	Stanwich School	Mr. Fletcher	4015	PT	1	Physics Simulations in Computer Science	IEEE, Connecticut Section	\$100 Honorable Mention gift cetificate		
			Student(s)		Arthur D. Berman Alexander T. Ertel		Grade	8 8	Town	Riverside Old Greenwich
Guilford	Guilford High School	Mr. John Cuddy	3040	LS	2	The Antibiotic Properties of Common Edible Plants	University of Connecticut - Physics Department	Life Sciences - \$200 U.S. Savings Bond		
			Student(s)		John M. Daigneault		Grade	9	Town	Guilford

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Hamden	Hamden High School	Mr. Abate	3508	LST	3	Power of Our Planet		
Student(s) Chelsea M. Browning-Bohannah Stephanie E. Corcoran			Grade 11		Town Hamden			
							The Connecticut Light and Power Company Awards	\$100 and plaque - For Novel Energy Research, High School
Hamden	Hamden Middle School	Mr. Greg Colonese	5520	P8	3	Hidden Lead Dangers - Is Your Home Safe?		
Student(s) Joseph G. Humes			Grade 8		Town Hamden			
							American Society of Safety Engineers, CT Valley Chapter	\$100 grade 7-8 projects + dinner meeting invitation
Hamden	Hamden Middle School	Greg Colonese	5524	P8	1	Rocket Aerodynamics and Launch Angles		
Student(s) Anthony J. Papale			Grade 8		Town Hamden			
							American Institute of Aeronautics & Astronautics - Connecticut Section	\$100 award, certificate
Hartford	Hartford Magnet Middle School	Penny Parmelee	2025	L7	2	Aspirin and Plants		
Student(s) Alyssa J. Annino			Grade 7		Town Middletown			
							Scientific American	Certificate & subscription to Scientific American
Hartford	Hartford Magnet Middle School	Mrs. Parmelee	5516	P8	2	Oxygen Battery		
Student(s) Emily G. Volz			Grade 8		Town New Britain			
							Scientific American	Certificate & subscription to Scientific American
Hartford	SS. Cyril and Methodius School	Mr. John Pelczar	5046	P7	2	Can You Measure Water Pressure?		
Student(s) Chayla Smith			Grade 7		Town Bloomfield			
							ISA - The Instrumentation, Systems and Automation Society	3rd - \$50 award
Madison	Our Lady of Mercy School	Rosalie Zonder	4003	PT	1	Which Truss do you Trust		
Student(s) Christopher J. Muckle Troy M. Hagan			Grade 8		Town Madison			
							U.S. Air Force	Certificate & \$50 gift certificate from CSF
Madison	Our Lady of Mercy School	Rosalie Zonder	5510	P8	2	Growing Crystals		
Student(s) Alyssa C. Nicholas			Grade 8		Town Guilford			
							Connecticut College-Physics, Astronomy, & Geophysics Dept.	\$100 and certificate, Earth Science
							American Society for Metals - Hartford Chapter	\$100 Check

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Madison	Shoreline Christian School	Mrs. Geary	5554	P8	2	Effects of Dynamic Loading		
			Student(s) Mitchell S. Kendrioski			Grade 8	Town Guilford	
							Connecticut Architecture Foundation	\$100 U.S. Savings Bond
Manchester	East Catholic High School	Ms. Lesa Milas	6021	PS	1	Use of Seashells to Detoxify Lead-Contaminated Effluent and Groundwater		
			Student(s) Theresa A. Oei			Grade 9	Town Hebron	
							U.S. Army Water Environment Federation Long Island Sound Foundation, Inc. Society of Women Engineers - Hartford Section	\$50 savings bond & Certificate Certificate, Letter, CSF \$50 Gift certificate, possible advance to further competition \$1000 Life Science/Environmental Science/Physical science Scientific Calculator
Manchester	St. Bridget School	Kim Maysonet	2510	L8	2	Multi-Tasking Memory Meltdown		
			Student(s) Caitlin M. O'Reilly			Grade 8	Town Manchester	
							American Psychological Association Connecticut Association of School Psychologists	Certificate, CSF \$50 Gift Certificate \$50 and framed certificate
Milford	St. Gabriel School	Thomas Blake	5522	P8	3	Under Pressure		
			Student(s) Alex C. Baluha			Grade 8	Town Milford	
							ISA - The Instrumentation, Systems and Automation Society	2nd - \$75 award
Mystic	Mystic Middle School	Jen Bausch	5018	P7	2	Beat The Bad Bags Environmental		
			Student(s) Joseph W. Charles			Grade 7	Town Mystic	
							ASM Materials Education Foundation	Certificate & medallion & CSF \$50 Gift Certificate
Mystic	Mystic Middle School	Mrs Kimberly Brandt	5537	P8	1	The Mythbox: A Portable DVR		
			Student(s) Michael A. Ciociola			Grade 8	Town Stonington	
							IEEE, Connecticut Section Wisner Award	\$250 Honors Award gift certificate -Junior \$500 U.S. Savings Bond and plaque
New Britain	Sacred Heart School	Lina Wodatch	2514	L8	3	Keyboard Bacteria		
			Student(s) Sebastian Olechowski			Grade 8	Town New Britain	
							Sr. Mary Magdalen Memorial Award	\$100 and plaque for excellence in use of graphic arts in display
New Canaan	New Canaan High School	Daniel Eichinger	3034	LS	1	The Effect of Short-Chain Fatty Acids on Gene Expression in Entamoeba Histolytica		
			Student(s) Ilya B. Belopolski			Grade 12	Town New Canaan	
							The Gagnon Award for Excellence in the Life Sciences	\$100 cash award and certificate

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New Haven	High School In the Community	Todd Solli	6504	PST	3	Sound Vibrations and Effects on Surfaces			
			Student(s)		Andrew R. Carrion	Grade 11	Town West Haven		
					Kyle J. Linehan	12	New Haven		
			Scientific American						Cerificate & subscription to Scientific American
New Haven	High School in the Community	Todd Solli	6011	PS	2	Energy Output of Different Fuel Mixtures			
			Student(s)		Joshua I. Cohen	Grade 12	Town New Haven		
			Scientific American						Cerificate & subscription to Scientific American
New Haven	High School in the Community	Todd Solli	3527	LST	1	Water Pollution in the City of New Haven. Good or Bad?			
			Student(s)		Katherine A. Nichols Botto	Grade 12	Town New Haven		
					Carmella H. Nichols Botto	12	New Haven		
			Scientific American						Cerificate & subscription to Scientific American
New Haven	High School In the Community	Mr.Todd Solli	3511	LST	2	Berries and Bacteria: Seeking a Simple Solution to Harmful Bacteria.			
			Student(s)		Shamia T. Warner	Grade 11	Town New Haven		
					Victoira Barrales	10	New Haven		
			Scientific American						Cerificate & subscription to Scientific American
New Haven	Hyde Leadership School	Chris Sagnella	6044	PS	3	Holmes Activity			
			Student(s)		Edwin M. Pabon	Grade 12	Town New Haven		
			Astronomical Society of New Haven - STARS						\$175 2nd Place Astronomy Prize
New Haven	Hyde Leadership School	Mr. Sagnella	3035	LS	2	Water Pollution			
			Student(s)		Matthew M. Rosario	Grade 10	Town New Haven		
			Scientific American						Cerificate & subscription to Scientific American
New Haven	St. Brendan School	Mrs.Grandfield	2526	L8	3	Is There Really a Five Second Rule?			
			Student(s)		Lucille E. LoRizzo	Grade 8	Town New Haven		
			Scientific American						Cerificate & subscription to Scientific American
New Haven	St. Brendan School	Maria Grandfield	5506	P8	3	Eggs and Acids			
			Student(s)		Nina P. LoRizzo	Grade 8	Town New Haven		
			Chemtura Corporation Awards						3rd Place for excellence in chemistry; \$100 and plaque

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Winning Projects

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New Milford	New Milford High School		3032	LS	2	Development of Resistances in Bacteria over Time to Antibacterial Compounds		
					Student(s) David K. Gasser	Grade 10	Town New Milford	
			Connecticut Association of Biology Teachers Awards \$100 for student and membership in CTABT for teacher					
North Haven	North Haven High School	Marilynn Kramar	3041	LS	1	A Numerical Model of Late-Spiking Neurons		
					Student(s) Fiona W. Wood	Grade 11	Town North Haven	
			Mu Alpha Theta Certificate, \$50 CSF gift certificate Meyerand Young Woman Scientist Awards \$300 cash - High School, Life Sciences					
Norwalk	Brien McMahon High School	Linda Paganini	3509	LST	1	Will the Increasing CO2 Levels Hinder the Shellfish Ability to Produce Their Hard and Produdproductive Shells?		
					Student(s) Spencer L. Horton Marianna V. Cordovano	Grade 12 12	Town Ridgefield Rowayton	
			Mystic Aquarium, and Institute for Exploration \$100 "Royce E. Gray Memorial Award"					
Norwich	Norwich Free Academy	Mr. Chad Johnson	6038	PS	2	Packing It In		
					Student(s) Sarah C. Kremer	Grade 9	Town Bozrah	
			University of Connecticut - Physics Department Physics Department Book Award Wilfred A. Müller Award \$150 cash award for creative use of mathematics					
Norwich	Norwich Free Academy	Mr. Roy Wentworth	3512	LST	1	The Impact of Park Clearing Along the Yantic River on Benthic Macroinvertebrate Populations: Part II		
					Student(s) Samantha M. Schoepfer Heather N. Leask	Grade 10 10	Town Bozrah Bozrah	
			Long Island Sound Foundation, Inc. \$1000 Life Science/Environmental Science/Physical science Southeastern New England Marine Educators \$75 award and membership in SENEME - 1st Place Senior The Stanley Lessoff Award for Excellence In Analytical Technique \$200 Cash and Plaque					
Pawcatuck	St. Michael School	Mr. Petkis	5024	P7	1	Auto vs. Manual: Do the Auto Settings of a Digital Camera Take the Best Photos?		
					Student(s) Samantha C. Duignan	Grade 7	Town Pawcatuck	
			Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps Middle School- Certificate, CSF \$50 gift certificate Meyerand Young Woman Scientist Awards \$300 cash - Middle School, Physical Sciences					
Pawcatuck	St. Michael School	Mr. Bernie Petkis	2546	L8	2	Turn That Thing Down!		
					Student(s) Hope A. Rezendes	Grade 8	Town Pawcatuck	
			American Society of Safety Engineers, CT Valley Chapter \$100 grade 7-8 projects + dinner meeting invitation					

Connecticut Science Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Pawcatuck	St. Michael School	Bernie Petkis	2037	L7	1	Is It Possible for Soil Contaminated With Oil to Return to Its Original State?		
					Student(s) Jacqueline Wyper	Grade 7	Town Stonington	
					Ricoch Corporation certificate and CSF \$50 Gift Certificate Air and Waste Management Association, Connecticut Chapter \$100 Junior, Environmental Research, waste recycling related			
Plantsville	J.F. Kennedy Middle School	Mrs. Boulanger	2517	L8	1	Phonics Phone Phenomenon 2: Articulation Action		
					Student(s) Emily A. Durocher	Grade 8	Town Plantsville	
					Connecticut Association of School Psychologists \$50 and framed certificate			
Plantsville	J.F. Kennedy Middle School	Mrs. Christine Boulanger	1019	LT	1	Pollution Solution?		
					Student(s) Jenna Graziano Margaret D. Feltz	Grade 8 8	Town Southington Southington	
					American Meteorological Society Certificate & CSF \$50 Gift Certificate American Meteorological Society Certificate & CSF \$50 Gift Certificate			
Plantsville	J.F. Kennedy Middle School	Mrs. Christine Boulanger	1015	LT	1	The Scoop on Soil		
					Student(s) Amanda M. Snow Sarah X. Feltz	Grade 8 8	Town Plantsville Southington	
					National Oceanic and Atmospheric Administration certificate, medallion, and CSF \$50 Gift Certificate National Oceanic and Atmospheric Administration certificate, medallion, and CSF \$50 Gift Certificate			
Putnam	Putnam Science Academy	Ahmet Cakar	3004	LS	2	Antibiotic Effects of Natural Dyes Compared To Artificial Dyes		
					Student(s) Mehmet Cakmak	Grade 11	Town Putnam	
					American Society of Safety Engineers, CT Valley Chapter \$150 grade 9-12 projects + dinner meeting invitation			
Putnam	Putnam Science Academy	Ahmet Cakar	6507	PST	1	Better Fuel or Better Oxidizer?		
					Student(s) Semih Eren Muhammed Y. Mergen	Grade 11 11	Town Putnam Putnam	
					Air and Waste Management Association, Connecticut Chapter \$100 Senior, Environmental Research, air pollution related			
Putnam	Putnam Science Academy	Ahmet Cakar	3532	LST	1	Natural Toothbrush Against Dental Bacteria		
					Student(s) Selman Kara Burak C. Gunay	Grade 11 11	Town Putnam Putnam	
					Peabody Fellows Program in Biodiversity and Human Health Peabody Museum Award; \$50 check, Membership, relevant book(s), and certificate for Senior Project			

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Ridgefield	East Ridge Middle School	Pamela Gooch	5008	P7	3	Determining Which Solar Energy Transferring Process That Will Make a Solar Car More Efficient		
Student(s) Thomas S. Yang							Grade 7	Town Ridgefield
							FuelCell Energy	Fuel Cell Car and Experiment Kit (\$150) + Jacket (\$50) + Pen (\$25) and Certificate
Rye	Rye Country Day School	Dr. Jonathan Connell	6056	PS	2	Whose Face Is It Anyway? An Investigation into whether Face Recognition Systems are Superior to Humans' Ability to Recognize Faces		
Student(s) Swathi Krishnan							Grade 9	Town Stamford
							U.S. Army	silver medallion & Certificate & \$100 savings bond
Sandy Hook	Newtown High School	Mr. Canfield	6027	PS	1	In Vitro Enzyme-Catalyzed Conversion of Carbon Dioxide to Methanol.		
Student(s) Dayton T. Horvath							Grade 12	Town Newtown
							Northeast Utilities: Environmental Management	Senior - \$250 Scholarship, energy conservation and renewable energy sources
							Dominion Scholarship	\$5000 Scholarship
Sandy Hook	Newtown High School	Mr. Canfield	6039	PS	1	Neural Network Robotic Sensory Control		
Student(s) Rebecca A. Reed							Grade 12	Town Newtown
							U.S. Army	\$50 savings bond & Certificate
							Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps	High School- Certificate, \$75.00 gift certificate
							IEEE, Connecticut Section	\$250 Honors Award gift certificate -Senior
							David and Torrey Fenton Awards	For creative work in the physical sciences- high school; \$200 cash
							The John B. Trevor Award for Electrical or Electronic Projects	\$500 Cash Award
Shelton	Shelton High School	Mr. Seppa	6041	PS	3	Solar Power Cell Output vs. Temperature		
Student(s) Ryan J. Roussel							Grade 10	Town Shelton
							Connecticut Clean Energy Fund	\$100 and plaque for HS solar energy project
South Windsor	South Windsor High School	Mrs. Belval	3030	LS	2	The Creation of a Plasmid DNA based Vaccine		
Student(s) Raghu Vaidyanathan							Grade 11	Town South Windsor
							Society for In Vitro Biology	certificate and CSF \$50 gift certificate
Southington	DePaolo Middle School	Trish Kenefick	5549	P8	2	If You Are Not Flexible, You Are Going to Get Bent Out of Shape!		
Student(s) Alejandra T. Gimenez							Grade 8	Town Southington
							ASM Materials Education Foundation	Certificate & medallion & CSF \$50 Gift Certificate
							Society of Women Engineers - Hartford Section	Scientific Calculator

Connecticut Science Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Stafford Springs	St. Edward School	Mrs. Hopkins	5541	P8	1	The Effect of Heat Transfer Mediums on Solar Energy Absorption		
					Student(s) Chet J. Jambora	Grade 8	Town Stafford Springs	
							Connecticut Clean Energy Fund	\$100 and plaque for HS salor energy project
Stamford	Bi-Cultural Day School	Mr. Graseck	1001	LT	2	Plant Nutrition with Wisconsin Fast Plants		
					Student(s) Douglas H. Russ Meir S. Attar	Grade 7 7	Town Westport Stamford	
							Yale Peabody Museum	\$310 - Scholarship to YPM "Expeditions!" Summer Program
Storrs	E.O. Smith High School	Jon Swanson	3061	LS	1	The Effects of Increased Nitrates on the Growth of Hard and Soft Coral		
					Student(s) Alyssa Cowles	Grade 10	Town Storrs	
							Mystic Aquarium, and Institute for Exploration	4 Admission Tickets to Mystic Aquarium and Institute for Exploration.
							Connecticut Valley Biological Supply Company, Inc.	\$50 Gift Certificate w/ catalog
Storrs	E.O. Smith High School	Dr. Green	6030	PS	3	The Effects of Different Metals on the Formation of Plasmas		
					Student(s) Helen S. Mueller	Grade 11	Town Willington	
							YSEA - Yale Science & Engineering Association, Inc.	Certificate, Medallion, \$50 Gift Certificate from CT Science Fair
Stratford	Flood Middle School	Mr. David Gorski	2529	L8	1	It's a Jungle Out There? What Effect Does Increasing the Atmospheric CO2 Level have on Plant Growth?		
					Student(s) Kevin M. Rahrig	Grade 8	Town Stratford	
							Air and Waste Management Association, Connecticut Chapter	\$100 Junior, Environmental Research, air pollution related
Stratford	Flood Middle School	Mr. Gorski	2524	L8	2	How Do We Perceive Others?		
					Student(s) Katherine C. Videira	Grade 8	Town Stratford	
							Connecticut Association of School Psychologists	\$50 and framed certificate
Trumbull	St. Catherine of Siena School	Mrs. Shickler	5535	P8	1	Gyromills; Jetstream Power Plants		
					Student(s) Adam C. Kee	Grade 8	Town Trumbull	
							Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps	Middle School- Certificate, CSF \$50 gift certificate
							U.S. Air Force	Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder
							Society of Women Engineers - Hartford Section	Scientific Calculator

Connecticut Science Fair

Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Trumbull	St. Catherine of Siena School	Mrs. Shickler	5028	P7	1	Radiant Energy, Variations among Fixed Solar Arrays and Solar Tracking Systems		
						Student(s) Kyle T. Ryan	Grade 7	Town Trumbull
							PowerPlus Engineering, Inc. Award for Sustainable Electrical Energy Research	\$250 for Excellence in Sustainable Electrical Energy Research
Watertown	The Taft School	William Kron	6062	PS	1	OCR: Handwriting Recognition		
						Student(s) Matthew A. Petroff	Grade 9	Town Cheshire
							U.S. Army IEEE, Connecticut Section	\$50 savings bond & Certificate \$100 Honorable Mention gift cetificate
West Hartford	St. Timothy Middle School	Ms. McNamee	4009	PT	1	Track the Traction		
						Student(s) Sarah C. Gillespie Anne Higgins	Grade 7 7	Town Manchester West Hartford
							American Society of Safety Engineers, CT Valley Chapter David and Torrey Fenton Awards Henderson Award	\$100 grade 7-8 projects + dinner meeting invitation For creative work in the physical sciences- middle school; \$200 cash CSF \$50 Gift Certificate
Westbrook	Westbrook Middle School	Cathi A. Lepore	5002	P7	1	Wind Turbines - What is the Best Blade Angle?		
						Student(s) Kathryn H. Cyr	Grade 7	Town Westbrook
							Society of Women Engineers - Hartford Section	Scientific Calculator
Westport	Staples High School	Dr. A.J. Sceetz	3027	LS	2	The Effects of the Vertical-Horizontal Illusion on the Consumption of Food		
						Student(s) Ben Andrew	Grade 11	Town Westport
							Institute of Food Technologists, Nutmeg Section	\$50 award + invitation to dinner for student and 2 guests
Westport	Staples High School	Dr. AJ Scheetz	3051	LS	2	The Effects of Mental Imagery on Athletic Performance		
						Student(s) Dana A. Levy	Grade 12	Town Westport
							American Psychological Association	Certificate, CSF \$50 Gift Certificate
Westport	Staples High School	Dr. A.J. Sceetz	3020	LS	1	Acceleration of Angiogenesis through Novel Protein Delivery Systems		
						Student(s) Andrew F. Shenoy	Grade 12	Town Westport
							U.S. Metric Association Connecticut Science Supervisors Association	Certificate & CSF \$50 Gift Certificate. \$125 for a high school project

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Westport	Staples High School	Dr. AJ Scheetz	6007	PS	2	Radio Frequency Identification Encryption		
			Student(s)		Justin Sherman	Grade	11	Town Westport
						Mu Alpha Theta The Stanley Works	Certificate, \$50 CSF gift certificate \$100 cash "Stanley Recognition Award" + Certificate	
Westport	Staples High School	Dr. AJ Scheetz	6059	PS	1	Providing a Detect-and-Verify Framework for Specific Face Detection		
			Student(s)		Zachary I. Weiner	Grade	12	Town Westport
						U.S. Army	silver medallion & Certificate & \$100 savings bond	
Westport	Staples High School	Dr. A.J. Sceetz	6057	PS	1	Analyzing A Nano-scale Patterned Material for Effective Buffer Applications in Photonic Integrated Circuits		
			Student(s)		Garrett J. West	Grade	12	Town Westport
						Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps The Coherent, Inc. Richard Hart Award for Excellence in Photonics	High School- Certificate, \$75.00 gift certificate \$300 cash, plaque, invitation to lunch and tour Coherent factory	
Willington	Hall Memorial School	Mrs. Laura Rodriguez	5505	P8	1	Putting Wind to Work: The Efficiency of Windmill Blades		
			Student(s)		Erica N. Tremko	Grade	8	Town Willington
						Association for Women Geoscientists	Certificate + CSF \$50. Gift Certificate	
Wilton	Middlebrook School	Susan Lash	5032	P7	2	Rocket Science		
			Student(s)		Maya Srivastava	Grade	7	Town Wilton
						The Howard Lessoff Award for Excellence in Physical Science Research	\$100 check	
Wilton	Middlebrook School	Susan Lash	1009	LT	1	What Triggers Short-Term Memory?		
			Student(s)		Paige J. Wallace Ashley L. Bascom	Grade	7 7	Town Wilton Wilton
						Connecticut Association of School Psychologists	\$50 and framed certificate	
Windsor	Creative Home school	Mrs. Aisha Khan	2010	L7	1	Sugar Powered Future: Constructing an Alkaline Fuel Cell and Operating it with Different Biofuels to Increase Voltage Output		
			Student(s)		Zainab Khan	Grade	7	Town Windsor
						FuelCell Energy	Fuel Cell Car and Experiment Kit (\$150) + Jacket (\$50) + Pen (\$25) and Certificate	
Windsor	Creative Home school	Mrs. Aisha Khan	2521	L8	2	Water Quality Case study: Nitrogen Analysis of Connecticut River Tributary		
			Student(s)		Fatima Shahzadi	Grade	8	Town Windsor
						Project Oceanology	Individual - Book + 2 tickets + \$100 check, First Place Junior	

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Winning Projects

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Windsor	Home School	Ambreen Qureshi	2007	L7	1	Challenges to Pakistani Agriculture: Growing Plants in Salt Affected Soil		
Student(s) Marrum Z. Qureshi							Grade 7	Town Windsor
							The Randy Gibson Award for Earth Science Research	\$100 cash and plaque
Windsor	Madina Academy	Rasha Amir	5019	P7	1	Solar Cooking		
Student(s) Humza Ahmed							Grade 7	Town Windsor
							Mohegan Sun	\$100 Award for Excellence In Earth Science
Windsor	St. Gabriel School	Meg Rosa	4016	PT	1	Solar Cell Optimization		
Student(s) Andrew M. Stephens							Grade 8	Town Windsor
Mark A. Mossberg							8	Windsor
							American Meteorological Society	Certificate & CSF \$50 Gift Certificate
							UTC Retirees Award in Memory of Arthur E. Mensing	\$100 Cash
Woodbridge	Amity Regional High School	Deborah Day	6047	PS	2	Thermodynamics of Elastic Polymers		
Student(s) Oliver Y. Cai							Grade 10	Town Orange
							American Society for Metals - Hartford Chapter	\$100 Check
Woodbridge	Amity Regional High School	Young-Wook Lee (Father)	6061	PS	1	Development of a Radio Controlled Flapping Wing Micro Air Vehicle		
Student(s) Simon J. Lee							Grade 9	Town Orange
							U.S. Army	\$50 savings bond & Certificate
							American Institute of Aeronautics & Astronautics - Connecticut Section	\$100 award, certificate
							IEEE, Connecticut Section	\$100 Honorable Mention gift certificate
							Dreams Unlimited	\$100 cash award & certificate
							The Arthur Mensing Award	\$1,000 cash award for excellence in the physical sciences
Woodbridge	Amity Regional High School	Ms. Deborah Day	6043	PS	1	The Distribution of Environmentally Sensitive Metals in the New Haven Green		
Student(s) Jiaqi Liu							Grade 9	Town Orange
							Air and Waste Management Association, Connecticut Chapter	\$100 Senior, Environmental Research, waste recycling related
							University Of Connecticut - Plant Science Department	1st Place for excellence in Plant Science, \$100 cash and certificate, High School
Woodbridge	Amity Regional High School	Ms. Deborah Day	6006	PS	2	The Ultraviolet Properties of Supernovae Host Galaxies		
Student(s) Thomas Mattessich							Grade 10	Town Woodbridge
							Astronomical Society of Greater Hartford	\$150 and ASGH meeting invitation (senior project)
							Astronomical Society of New Haven - STARS	\$150 3rd Place Astronomy Prize

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

6012	PS	2	Using Color-Magnitude Diagrams to Study Open Star Clusters: Analysis of Stellar Evolution and Distance					
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Student(s) Laura van Dyck **Grade** 10 **Town** Bethany

Astronomical Society of Greater Hartford \$150 and ASGH meeting invitation (seniorproject)
 University of Connecticut - Physics Department Physical Sciences - \$200 U.S. Savings Bond
 Astronomical Society of New Haven - STARS \$200 1st Place Astronomy Prize

Woodstock Woodstock Middle School Mrs. Carter

2028	L7	1	How Different Substances Affect the Oxidation of Fruits.					
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Student(s) Sarah L. Cook **Grade** 7 **Town** Woodstock

Meyerand Young Woman Scientist Awards \$300 cash - Middle School Life Sciences

Woodstock Woodstock Middle School Christine Carter

5023	P7	1	The Effect of pH on Voltage Produced in Batteries (Homemade Batteries)					
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Student(s) Casandra M. Guilani **Grade** 7 **Town** Woodstock

American Society for Metals - Hartford Chapter \$100 Check