



Connecticut Science Fair

Quinnipiac University

March 9 - 13, 2010

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)
Avon	Talcott Mountain Academy	Mr. Pellino	5009	P7	2	Coping With Pressure		
			Student(s)		Peter P. Baczyk	Grade 7	Town	Avon
<ul style="list-style-type: none"> ● The Stanley Works --- \$100 cash "Stanley Recognition Award" + Certificate 								
Avon	Talcott Mountain Academy	Mr. Thomas Noonan	5549	P8	3	Microbial Fuel Cells: Electrifying Our Food		
			Student(s)		Alexandra S. Fielding	Grade 8	Town	Southbury
<ul style="list-style-type: none"> ● FuelCell Energy --- Fuel Cell Car and Experiment Kit (\$150) + Jacket (\$50) + Pen (\$25) and Certificate ● MIT Club of Hartford --- For excellence in energy related research, middle school, \$150 cash award 								
Avon	Talcott Mountain Academy	Mark Meredith	5021	P7	2	How To Win Monopoly		
			Student(s)		Edward A. Tomasso	Grade 7	Town	Farmington
<ul style="list-style-type: none"> ● Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, membership to CT Science Center given by CSF 								
Bethel	Bethel High School	Mr. Turek	3007	LS	2	The Relationship between Human Interaction and Harbor Seal Behavior		
			Student(s)		Justin T. Ruscoe	Grade 12	Town	Bethel
<ul style="list-style-type: none"> ● Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum 								
Bloomfield	Metropolitan Learning Center	Mr. Donnelly	2009	L7	1	Recycled Water: A Sustainable Water Supply Alternative		
			Student(s)		Usra Z. Qureshi	Grade 7	Town	Windsor
<ul style="list-style-type: none"> ● 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 								
Bozrah	Fields Memorial School	Mrs. E. Brown	5512	P8	2	Fabric Flammability		
			Student(s)		Heather L. Barber	Grade 8	Town	Bozrah
<ul style="list-style-type: none"> ● American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project 								
Bozrah	Fields Memorial School	Mrs. E. Brown	5511	P8	1	Investigating Variables That Affect the Temperature in a Refrigerator Using a Lego® RCX Microprocessor		
			Student(s)		Miranda R. Cirrito	Grade 8	Town	Bozrah
<ul style="list-style-type: none"> ● Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash 								

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[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Bozrah	Fields Memorial School	Mrs. E Brown	5551	P8	3	Bozrah Soils, Characteristics and pH		
Student(s) Kaitlyn M. Kelly					Grade 8	Town Bozrah		
<ul style="list-style-type: none"> ● Association for Women Geoscientists --- certificate & membership to CT Science Center given by CSF 								
Brewster	Brewster High School	Mr. Edward Schmidt	3068	LS	2	An in-vitro Investigation into the Development of Cephalothin Resistance Genes in Uropathogenic E. coli		
Student(s) Matthew J. Rizzotti					Grade 12	Town Brewster		
<ul style="list-style-type: none"> ● U.S. Metric Association --- Certificate & membership to CT Science Center given by CSF 								
Bridgeport	Bridgeport Aquaculture School	Mr. Shadle	3508	LST	1	Passive Brownfield Phytoremediation		
Student(s) Gregory J. Johnson					Grade 12	Town Trumbull		
Student(s) Ivan V. Meyerovich					Grade 12	Town Trumbull		
<ul style="list-style-type: none"> ● U.S. Army --- certificate and \$50 savings bond ● The Goodwin-Niering Center --- \$100 for "Excellence in Environmental Conservation Studies" ● Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related 								
Bridgeport	Geraldine W. Johnson School	Erica Svendsen	2517	L8	3	The Battle of the Sexes		
Student(s) Amani Young					Grade 8	Town Bridgeport		
<ul style="list-style-type: none"> ● American Psychological Association --- Certificate, membership to CT Science Center given by CSF 								
Bridgeport	John Winthrop School	Mr. Walsh	5546	P8	2	THE EFFECT OF SOLAR CELLS ON BATTERIES IN A RECHARGEABLE CIRCUIT		
Student(s) Christina N. Wills					Grade 8	Town Bridgeport		
<ul style="list-style-type: none"> ● Dreams Unlimited --- \$100 cash award + certificate 								
Bridgeport	Park City Prep Charter School	Mrs. Boudreau	5032	P7	3	Seat Belt vs. Air Bag		
Student(s) James S. Acevedo					Grade 7	Town Bridgeport		
<ul style="list-style-type: none"> ● American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project 								
Bridgeport	Park City Prep Charter School	Tiffany Johnson	1002	LT	2	Dissolved Oxygen Affecting Water Quality		
Student(s) Dominique S. Pierce					Grade 8	Town Bridgeport		
Student(s) Doyinsade A. Awodele					Grade 8	Town Bridgeport		
<ul style="list-style-type: none"> ● Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Junior & T-Shirt 								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Bristol	St. Joseph School	Joan Pikiell	5560	P8	3	How do you make your tea?		
Student(s) Daniel Konopka					Grade 8	Town Bristol		
<ul style="list-style-type: none"> ● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner 								
Danbury	Danbury High School	Andrea LaRosa	6062	PS	2	Can a Calorimeter Measure Thermal Radiation Absorbed by Paints?		
Student(s) John C. Lavelle					Grade 11	Town Danbury		
<ul style="list-style-type: none"> ● ISA - The Instrumentation, Systems and Automation Society --- 1st - \$125 award 								
Danbury	St. Joseph School	Mrs. Jennifer Page	2018	L7	1	The Effect of Age on the Ability to Hear Ultrasonic Tones		
Student(s) Janine A. Kerr					Grade 7	Town Danbury		
<ul style="list-style-type: none"> ● Connecticut Academy of Audiology --- \$150 Cash Award Middle School - For Excellence in Audiology and Acoustics 								
Danbury	St. Joseph School	Mrs. Jennifer Page	5556	P8	1	Comparative Thermal Resistivity (R-value) Analysis: A Study in the Effectiveness of Recycled Materials in Home Insulation		
Student(s) Michael A. Schneider					Grade 8	Town Danbury		
<ul style="list-style-type: none"> ● ASM Materials Education Foundation --- certificate & membership to CT Science Center given by CSF& medallion 								
Darien	Darien High School	David A. Lewis	3057	LS	2	Expression of a Lignin Catabolic Orthologue Found in Chromobacterium violaceum		
Student(s) Andrew P. Gagne					Grade 12	Town Darien		
<ul style="list-style-type: none"> ● Connecticut Science Supervisors Association --- \$125 for a high school project 								
East Granby	East Granby Middle School	Mr. John Langan	2016	L7	3	How does the gender of the eyewitness affect the accuracy of the eyewitness' testimony?		
Student(s) Casey J. Tobin					Grade 7	Town East Granby		
<ul style="list-style-type: none"> ● American Psychological Association --- Certificate, membership to CT Science Center given by CSF 								
East Hartford	East Hartford High School	Timothy Reid	6027	PS	3	The Physics of Paper Airplanes		
Student(s) Ankur R. Patel					Grade 10	Town East Hartford		
<ul style="list-style-type: none"> ● American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate 								

Connecticut Science Fair

Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Fairfield	Fairfield College Preparatory School	Dr. Lewis	6073	PS	1	Wireless Electrical Power Transfer Using Resonant Inductive Coupling		
			Student(s)		Kyle T. Ryan	Grade 9	Town	Trumbull
<ul style="list-style-type: none"> ● U.S. Army --- silver medallion & Certificate & \$100 savings bond ● Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate ● Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Senior Physics & teeshirt ● IEEE, Connecticut Section --- \$100 Honorable Mention ● The John B. Trevor, Jr. Award for Electrical or Electronic Projects --- 2nd Place - \$250 cash award 								
Fairfield	Holy Family School	Mrs. Kelley Collins	2006	L7	3	Calling It Quits: What Is the Most Effective Way to Quit Smoking?		
			Student(s)		Andrea M. Galeano	Grade 7	Town	Bridgeport
<ul style="list-style-type: none"> ● U.S. Department of Health & Human Services --- Certificates & membership to CT Science Center given by CSF 								
Fairfield	Tomlinson Middle School	Mr. Peter Maier	5005	P7	3	"Roller Coaster Marbles" How Much Height to Loop the Loop?		
			Student(s)		Sarthak Bothra	Grade 7	Town	Fairfield
<ul style="list-style-type: none"> ● The National Society of Professional Engineers --- Certificate, Lapel Pin, membership to CT Science Center given by CSF 								
Forestville	St. Matthew School	Miss Ricci	2508	L8	2	Pump Up The Pulse		
			Student(s)		Briana E. Sanchez	Grade 8	Town	Bristol
<ul style="list-style-type: none"> ● U.S. Department of Health & Human Services --- Certificates & membership to CT Science Center given by CSF 								
Glastonbury	Glastonbury High School	Mrs. Veronica Hanlon	3079	LS	1	Effect of trans-cinnamaldehyde on reducing attachment and invasion of Uropathogenic Escherichia coli in urinary epithelial cells		
			Student(s)		Amoolya Narayanan	Grade 11	Town	Glastonbury
<ul style="list-style-type: none"> ● U.S. Army --- certificate and \$50 savings bond 								
Greens Farms	Greens Farms Academy	Dr. Mathieu Freeman	6077	PS	1	Optimal Preparation of Yttrium Barium Copper Oxide Superconductors Using Various Oxygen Sources		
			Student(s)		David Schmidt-Fellner	Grade 12	Town	Darien
<ul style="list-style-type: none"> ● IEEE, Connecticut Section --- \$100 Honorable Mention 								
Greenwich	Greenwich High School	Andrew Bramante	6014	PS	1	Are Carcinogens Hidden Within Our Bedroom Closet? The Dangers Posed by Dry Cleaning Fluids		
			Student(s)		Jordana R. Cepelewicz	Grade 11	Town	Cos Cob
<ul style="list-style-type: none"> ● American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project ● Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences 								

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

6513	PST	1	Rethinking Security: Developing a Touch Based Password Replacement Application For the Zune HD					
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Student(s)	James A. Gordon	Grade 12	Town Cos Cob
	James K. Ryan	Grade 12	Town Greenwich

- Intel Excellence in Computer Science Award --- \$200 & certificate

Greenwich Greenwich High School Andrew Bramante

6051	PS	1	Diatom-CdS Nanostructures as a Method to Enhance the Efficiency of a Dye-Sensitized Solar Cell					
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Student(s)	William C. Newberry	Grade 12	Town Riverside
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- Dominion Scholarship --- \$5000 Scholarship
- MIT Club of Hartford --- For excellence in energy related research, high school, \$150 cash award
- The Coherent, Inc. Richard Hart Award for Excellence in Photonics --- \$300 cash, plaque, invitation to lunch and tour Coherent factory

Greenwich Greenwich High School Mr. Andrew Bramante

3033	LS	1	Airborne Containment Removal Using Household Plants					
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Student(s)	James O'Sullivan	Grade 10	Town Old Greenwich
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- Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, air pollution related
- Alumni Botany Awards --- Alumni High School Botany Award- \$50 Cash

Greenwich Greenwich High School Andrew Bramante

3044	LS	1	The Role of the Human Protein Arginine Methyltransferase PRMT7 in Transcriptional Regulation of Cancer Stem Cells					
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Student(s)	Felix Zhou	Grade 12	Town Old Greenwich
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- Society for In Vitro Biology --- certificate and membership to CT Science Center given by CSF

Guilford E.C. Adams Middle School Cory Slifstein

5001	P7	1	The Effect of the Ocean Floor on the Strength of a Wave					
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Student(s)	Hannah C. Springhorn	Grade 7	Town Guilford
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- David and Torrey Fenton Awards --- For creative work in the physical sciences- middle school; \$200 cash
- The Randy Gibson Award for Earth Science Research --- \$100 cash and plaque
- Talcot Mountain Science Center --- Physical Science - Innovative project design - Founders' Award Certificate and scholarship to TMS Saturday program Value \$450

Hamden Hamden High School Sonia Beloin

6031	PS	2	The Effect of Homemade, Novel, Bouble-Layered (Double Paned)Storm Window on Window Interior Surface Temperatures					
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Student(s)	Bonnie E. Hawkins	Grade 11	Town Hamden
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- University of Connecticut - Physics Department --- UConn Early College Experience Program: Physical Sciences - \$200 U.S. Savings Bond

Hamden Sacred Heart Academy Michelle Pirruccello

3076	LS	1	Investigating a Conserved Sequence in Endophilin					
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Student(s)	Alexandra Buda	Grade 12	Town Woodbridge
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- U.S. Army --- certificate and \$50 savings bond

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Special Award Winners

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

Hartford Hartford Magnet Middle School Ms. Parmelee

5503 P8 2 Breaking Trusses

Student(s) Reed C. Truax **Grade 8** **Town** Southington

- Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, membership to CT Science Center given by CSF
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Hebron Homeschool Ellen Oei

5538 P8 1 The Application of Faraday's Law of Induction to Harness Ocean Wave Energy

Student(s) Bridget M. Oei **Grade 8** **Town** Hebron

- Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Junior Physics & teeshirt
 - IEEE, Connecticut Section --- \$250 Honors Award -Junior
 - Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
 - Society of Women Engineers - Hartford Section --- Scientific Calculator
 - Project Oceanology --- Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt
 - Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School, Physical Sciences
 - I-SWEEEP (International Sustainable World Project Olympiad) --- All Expense Paid Part. I-SWEEEP for MS student and adult
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Hebron RHAM High School Mrs. Jean Laughman

6042 PS 2 Asphalt as Solar Panels: The Road to a New Source of Renewable Energy

Student(s) Andrew J. Breckel **Grade 9** **Town** Hebron

- Northeast Utilities: Environmental Management --- Senior - \$250 Scholarship, energy conservation and renewable energy sources
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Hebron RHAM High School Kristin Spinelli

6010 PS 3 The Effects of Rotor Blades Made of Different Materials on the Power Generated by a Horizontal-Axis Wind Turbine

Student(s) Catherine Pellerin **Grade 9** **Town** Hebron

- Society of Women Engineers - Hartford Section --- Scientific Calculator
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Kensington St. Paul School Miss Kotler

2527 L8 2 Light Level vs. Time in Chrysalis

Student(s) Deana E. Sobilo **Grade 8** **Town** East Berlin

- Connecticut Valley Biological Supply Company, Inc. --- \$50 Gift Certificate w/ catalog
 - Sr. Mary Magdalen Memorial Award --- \$100 and plaque for excellence in use of graphic arts in display
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Lebanon Lyman Memorial High School Karen Collins

6011 PS 3 The Most Effective Insulation For Homes

Student(s) Emelia R. Cooper **Grade 9** **Town** Columbia

- Society of Women Engineers - Hartford Section --- Scientific Calculator
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Madison Our Lady of Mercy School Rosalie Zonder

4006	PT	2	Testing the Mettle of Metals!!!					
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Student(s)	Liam Lynders	Grade 7	Town	Guilford
	Kevin O'Brien	Grade 7	Town	Guilford

- U.S. Air Force --- Certificate, computer accessories kit, sport sling, pen and holder
- American Society for Metals - Hartford Chapter --- \$100 Check

Madison Polson Middle School Madhuparna Roychoudhury

4019	PT	2	Earthquake resistant buildings for underdeveloped regions.					
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Student(s)	Adam P. Boey	Grade 8	Town	Madison
	Shayan Roychoudhury	Grade 7	Town	Madison

- American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project
- Connecticut Architecture Foundation --- \$100 U.S. Savings Bond

Manchester East Catholic High School Holly Noble

6001	PS	1	Prototype Dual Kite Power System to Harvest High Altitude Wind Energy					
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Student(s)	Theresa A. Oei	Grade 11	Town	Hebron
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- YSEA - Yale Science & Engineering Association, Inc. --- Certificate, Medallion, membership to CT Science Center given by CSF
- Connecticut Association of Physics Teachers --- \$100 Senior project
- IEEE, Connecticut Section --- \$250 Honors Award -Senior
- Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research, \$100 cash award
- PowerPlus Engineering, Inc. Award for Sustainable Electrical Energy Research --- \$250 for Excellence in Sustainable Electrical Energy Research
- The Arthur Mensing Award --- \$500 cash award for excellence in the physical sciences
- I-SWEEEP (International Sustainable World Project Olympiad) --- All Expense Paid Participation I-SWEEEP for HS student and adult supervisor

Manchester St. Bridget School Mrs. Maysonet

5045	P7	1	The Best Heat Conductors and Insulators					
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Student(s)	Bryan R. Balsler	Grade 7	Town	Manchester
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- ASM Materials Education Foundation --- certificate & membership to CT Science Center given by CSF & medallion

Meriden Thomas Edison Middle School Mr. Newlan

4020	PT	2	Solar Powered Desalinating Hydroponic Plant System					
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Student(s)	Megan C. Carroll	Grade 8	Town	Meriden
	Cassidy T. Cooley	Grade 8	Town	Meriden

- The Harvey Hubbell Foundation Award --- \$100 For Excellence in Engineering
- Society of Women Engineers - Hartford Section --- Scientific Calculator

Meriden Thomas Edison Middle School Mr. Newlan

2519	L8	2	The affect of using tea made from compost as fertilizer in hydroponic systems					
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Student(s)	Emily C. Keene	Grade 8	Town	Meriden
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- U.S. Air Force --- Certificate, computer accessories kit, sport sling, pen and holder

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Special Award Winners

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

Meriden Thomas Edison Middle School Cynthia Seaver
 2023 L7 3 Does the color of light affect the growth of grass?

Student(s) Kayla E. Kondrup **Grade 7** **Town** Meriden

- Alumni Botany Awards --- Alumni Middle School Botany Award- \$50 Cash

Meriden Wilcox Technical High School Jim Lundebjerg
 6074 PS 2 Solar Energy

Student(s) Kristen B. Lundebjerg **Grade 9** **Town** Berlin

- David and Torrey Fenton Awards --- For creative work in the physical sciences- high school; \$200 cash

Milford St. Gabriel School Thomas McGovern
 5548 P8 1 "What Forms of Electromagnetic Radiation Emitted by Solar Flares and Coronal Mass Ejections from the Sun Cause the Most Interference?"

Student(s) Lianne C. Maynard **Grade 8** **Town** Milford

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

Mystic Mystic Middle School Kimberly Brandt
 4013 PT 2 Shingles Under Stress

Student(s) Katherine A. Brandon **Grade 8** **Town** Stonington
 Rachael M. Brown **Grade 8** **Town** Stonington

- Connecticut Architecture Foundation --- \$100 U.S. Savings Bond

New Canaan New Canaan High School Dr. Hannah Shear
 3026 LS 1 Bacterial Membrane Depolarization by Trypanosome Lytic Factor: A Component of Innate Immunity

Student(s) Caroline M. Casavant **Grade 12** **Town** New Canaan

- U.S. Army --- silver medallion & Certificate & \$100 savings bond
- Society for In Vitro Biology --- certificate and membership to CT Science Center given by CSF
- The Gagnon Award for Excellence in the Life Sciences --- \$100 cash award and certificate
- Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences

New Haven High School in the Community Todd Solli
 6028 PS 3 How the temperature of the ocean affect the intensity of the hurricanes and the height of the waves.

Student(s) Beatriz L. Sao **Grade 12** **Town** West Haven

- Society of Women Engineers - Hartford Section --- Scientific Calculator

New Haven St. Aedan-St Brendan School Mr.Celentano
 5046 P7 3 Lollipop Lollipop

Student(s) Sara J. Fagan **Grade 7** **Town** New Haven

- Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner

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

2506 L8 1 Does Practice Make Perfect? An Operant Conditioning Study

Student(s) **Eli J. Moore** Grade 8 Town Hamden

- Connecticut Association of School Psychologists --- \$25 and framed certificate

New Haven Wilbur Cross High School Ms. Hong

3064 LS 2 Synthesis and Microbial Support Structure of High Surface Area Carbon Aerogels

Student(s) **Adam G. Taylor** Grade 12 Town New Haven

- FuelCell Energy --- Fuel Cell Car and Experiment Kit (\$150) + Jacket (\$50) + Pen (\$25) and Certificate

New Haven Worthington Hooker School Mr. Jones

5004 P7 2 Burning Calories

Student(s) **Tiana A. Dyson** Grade 7 Town New Haven

- ISA - The Instrumentation, Systems and Automation Society --- 2nd - \$75 award

New Haven Worthington Hooker School Mr. Jones

4023 PT 1 Black Carbon detectives

Student(s) **Olivia R. Joy** Grade 8 Town New Haven
Sophia O'Brien-Udry Grade 8 Town New haven

- Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, waste recycling related

New Milford New Milford High School Ms. McClelland

3047 LS 1 The Cross Pollination of an Edible Pumpkin with a Powdery-Mildew Resistant Ornamental Pumpkin to Create an Edible Powdery-Mildew Resistant Pumpkin

Student(s) **Jacob D. Ness** Grade 11 Town New Milford

- Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum
- University Of Connecticut - Plant Science Department --- 1st Place for excellence in Plant Science, \$100 cash and certificate, High School
- Connecticut Association of Biology Teachers Awards --- \$100 for student and membership in CTABT for teacher
- Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$200 cash

Newtown Newtown Middle School Ms. Andracchi

2505 L8 1 The Effect of Amygdalin on Cancerous and Normal Epithelial Breast Cells

Student(s) **Bethany N. Dubois** Grade 8 Town Sandy Hook

- CURE BioScience Explorations --- CURE Award for Research Excellence - MS Life Sci; Limited Ed. crystal awd; \$50 gift certificate given by CSF
- CT Technology Council Youth Innovation Award --- \$100 Cash Award for Technological Innovation
- Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School Life Sciences

[SchTown] [School] [Teacher]
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Newtown St. Rose of Lima School Mrs. Marde Dimon

2015 L7 1 A Better Bio Building

Student(s) Haley M. Ryan **Grade 7** **Town** Newtown

- Ricoh Corporation/Society for Science & the Public --- certificate and membership to CT Science Center given by CSF
- Talcot Mountain Science Center --- Life Sciences Innovative Project Design TMSC Founders' Award - Certificate and Scholarship to TMSC Saturday programs Value is \$450.

Norwalk The Montessori Middle School David J. Lavallee

2512 L8 3 Do Dogs Sense Your Emotions?

Student(s) Harrison G. Potter **Grade 8** **Town** Weston

- Henderson Award --- certificate and 1 year pass for two for the CT Science Center given by CSF

Norwalk The Montessori Middle School David Lavalee

5037 P7 1 Designing a low income Eco-friendly house

Student(s) Eric Smith **Grade 7** **Town** Norwalk

- Connecticut Science Supervisors Association --- \$125 for a middle school project

Norwich Norwich Free Academy Ms. Botelle

3503 LST 1 A Study of Limulus Epiphytes and Spawning Behavior

Student(s) Jessica Banning **Grade 12** **Town** Bozrah
 Josh Fish **Grade 12** **Town** Bozrah

- American Meteorological Society --- certificate & membership to CT Science Center given by CSF
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum

Norwich Norwich Free Academy Mr. Robert Johnson

6026 PS 2 Efficiency of Renewable Energy Storage System

Student(s) Ian D. Dakers **Grade 10** **Town** Bozrah

- Wisner Award --- \$250 cash and plaque

Norwich Norwich Free Academy Michael Scanlon Jr.

6066 PS 1 The use of sol-gels for the fabrication of a Memristive Device

Student(s) Heather N. Leask **Grade 12** **Town** Bozrah

- U.S. Metric Association --- Certificate & membership to CT Science Center given by CSF
- Mu Alpha Theta --- Certificate, membership to CT Science Center given by CSF
- IEEE, Connecticut Section --- \$100 Honorable Mention
- The John B. Trevor, Jr. Award for Electrical or Electronic Projects --- 1st Place - \$500 cash award

Norwich Norwich Free Academy Mr. Robert Johnson

3088 LS 1 Phytoremediation by Eichhornia crassipes to remove Contaminants from Freshwater

Student(s) Samantha M. Schoepfer **Grade 12** **Town** Bozrah

- U.S. Army --- certificate and \$50 savings bond
- Stockholm Junior Water Prize --- Certificate, Letter, membership to CT Science Center given by CSF, possible advance to further competition
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science

Connecticut Science Fair

Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Orange	Southern CT Hebrew Academy	Mrs. Karen Howell	4005	PT	1	The Effect of Environmental Conditions On the Corrosion of Metals and Corrosion Prevention		
						Student(s) Mendel Hodakov	Grade 8	Town New Haven
						Shmaya Hecht	Grade 8	Town Orange
							<ul style="list-style-type: none"> American Society for Metals - Hartford Chapter --- \$100 Check 	
Orange	Southern CT Hebrew Academy	Mrs. Karen Howell	5530	P8	3	How does the acid in bog berries (Vaccinium) affect the Vitamin C and antioxidant levels?		
						Student(s) Dobie R. Kalmanson	Grade 8	Town New Haven
							<ul style="list-style-type: none"> Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner 	
Orange	Southern CT Hebrew Academy	Mrs. Karen Howell	1018	LT	1	Effect of fiber's viscosity on absorption and adsorption of nutrients		
						Student(s) Aviva N. Levitansky	Grade 8	Town New Haven
						Chaya M. Kantor	Grade 8	Town Westport
							<ul style="list-style-type: none"> Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner 	
Oxford	Oxford High School	Dr. LaBanca	6029	PS	1	Design and testing of a two-step arsenic - remediating water filtration system		
						Student(s) Joseph Bonavita	Grade 11	Town Oxford
							<ul style="list-style-type: none"> Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate Stockholm Junior Water Prize --- Certificate, Letter, member ship to CT Science Center given by CSF, possible advance to further competition 	
Oxford	Oxford High School	Dr. LaBanca	3011	LS	2	Evaluation of the Sharp Shooter: a patent-pending muscle memory athletic training tool.		
						Student(s) Joe P. Greco	Grade 10	Town Oxford
							<ul style="list-style-type: none"> University of Connecticut - Physics Department --- Physics Department UConn Co-op Gift Certificate 	
Oxford	Oxford High School	Dr. Frank LaBanca	3020	LS	2	Biological Strategies for Biodiesel Synthesis		
						Student(s) David J. Samuelman	Grade 11	Town Oxford
							<ul style="list-style-type: none"> The Otero Family Award --- The Otero Family Award; \$150 cash 	
Oxford	Oxford High School	Doctor LaBanca	6049	PS	3	Simplifying the Concept of Special and General Relativity in Relation to Light and Time		
						Student(s) Skyler A. Werner	Grade 10	Town Oxford
							<ul style="list-style-type: none"> Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate Astronomical Society of New Haven - STARS --- \$200 2nd Place Astronomy Prize 	

Connecticut Science Fair

Special Award Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Oxford	Oxford High School	Dr. Frank LaBanca	6021	PS	2	Designing and Testing of Insulated Blankets for Thermoregulation		
			Student(s)		Alicja Zajkowski	Grade 12	Town	Oxford
<ul style="list-style-type: none">American Society for Quality - Thames Valley Section --- \$300 U. S. Savings Bond								
Pawcatuck	St. Michael School	Mr. Bernard Petkis	2503	L8	1	M & M: Mice and Memory		
			Student(s)		Dylan A. Armstrong	Grade 8	Town	West Kingston
<ul style="list-style-type: none">The Stanley Lessoff Award for Excellence In Analytical Technique --- \$200 Cash and Plaque								
Pawcatuck	St. Michael School	Mr. Bernard Petkis	5527	P8	2	Testing the Consistency of the Kaprekar Constant		
			Student(s)		Ronald C. Hillegass	Grade 8	Town	Stonington
<ul style="list-style-type: none">Wilfred A. Müller Award --- \$150 cash award for creative use of mathematics								
Pawcatuck	St. Michael School	Mr. Bernie Petkis	2007	L7	1	The Effect of Pesticides on the DNA of Apples Which has more extractable DNA- Conventionally grown apples or those grown organically?		
			Student(s)		Catherine E. Montalto	Grade 7	Town	Westerly
<ul style="list-style-type: none">Connecticut College-Biological and Botany Department --- \$100 for excellence in the biological sciencesConnecticut State Department of Health Laboratory Employees --- \$75 award								
Putnam	Putnam Science Academy	Serdar Haytiyev	6512	PST	1	Using powdered magnetite mineral as an absorbing agent to remove petroleum spills from seawater		
			Student(s)		Zekeriya K. Abacioglu	Grade 10	Town	Putnam
					Nahit Akarsu	Grade 10	Town	Putnam
<ul style="list-style-type: none">American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project								
Putnam	Putnam Science Academy	Ahmet Cakar	3504	LST	3	Producing Environmental Friendly Plastics from Starch and Comparing it with Plastics made from Petroleum Derivatives		
			Student(s)		Ibrahim Buyukcelebi	Grade 10	Town	Putnam
					Alperen F. Tuzuner	Grade 10	Town	Putnam
<ul style="list-style-type: none">U.S. Army --- certificate and \$50 savings bond								
Putnam	Putnam Science Academy	Ahmet Cakar	3512	LST	2	The Differences And Advantages Of Biodiesel Produced By Algae Compared To Diesel And Other Biodiesel Forms.		
			Student(s)		Muhammed B. Cakillikoyak	Grade 11	Town	Putnam
					Ahmet O. Sencan	Grade 11	Town	Putnam
<ul style="list-style-type: none">Northeast Utilities: Environmental Management --- Senior - \$250 Scholarship, pollution prevention, source reduction, recycling, min. waste								

Connecticut Science Fair

Special Award Winners

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

Ridgefield East Ridge Middle School Mr. Walsh
 5559 P8 1 Solving Goldbach's Conjecture

Student(s) James C. Buckley **Grade 8** **Town** Ridgefield

- Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, membership to CT Science Center given by CSF
- IEEE, Connecticut Section --- \$100 Honorable Mention

Ridgefield East Ridge Middle School Mr. Christopher Walsh
 5505 P8 1 What types of aircraft winglets have the most efficient aerodynamics, if any at all?

Student(s) Andrew J. McKee **Grade 8** **Town** Ridgefield

- Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, membership to CT Science Center given by CSF
- The National Society of Professional Engineers --- Certificate, Lapel Pin, membership to CT Science Center given by CSF

Ridgefield East Ridge Middle School Deborah Sullivan
 4025 PT 3 Tap It Out

Student(s) Meredith Santoro **Grade 8** **Town** Ridgefield

Allie Short **Grade 8** **Town** Ridgefield

- American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project

Shelton Shelton High School Ed Seppa
 6041 PS 2 Anatomy of the Search Engine

Student(s) Hania Zaman **Grade 12** **Town** Shelton

- Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate

Southington Joseph A. DePaolo Middle School Patricia Kenefick
 4011 PT 1 The Melting Factor

Student(s) Michael J. Rogalski **Grade 8** **Town** Southington

Alexander J. Queen **Grade 8** **Town** Southington

- American Meteorological Society --- certificate & membership to CT Science Center given by CSF

Stafford Springs St. Edward School Mrs. Milnes
 5044 P7 1 Flying High - Measuring and Comparing Airfoil Performance in a Low-Speed Wind Tunnel

Student(s) Benjamin S. Teerlinck **Grade 7** **Town** Monson

- American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate
- ISA - The Instrumentation, Systems and Automation Society --- 3rd - \$50 award

Stamford Bi-Cultural Day School Christopher Graseck
 1020 LT 3 Plant Growth With Elevated Carbon Dioxide

Student(s) Lauren Schechter **Grade 7** **Town** Stamford

Daniel Jubas **Grade 7** **Town** Stamford

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

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

Storrs E.O. Smith High School Gary Bent

6040 PS 2 Modeling the Vacuum Bazooka

Student(s) Jessica A. Hyde **Grade** 9 **Town** Ashford

- University of Connecticut - Physics Department --- UConn Early College Experience Program: Life Sciences - \$200 U.S. Savings Bond

Stratford St. Mark School Philip Flynn

5006 P7 1 Houston...We Have A Problem. How Coronal Mass Ejections Can Affect Life On Earth

Student(s) Emily M. Robertson **Grade** 7 **Town** Stratford

- Association for Women Geoscientists --- certificate & membership to CT Science Center given by CSF
- Astronomical Society of Greater Hartford --- Junior Project- \$100 and ASGH meeting invitation and Sky and Telescope magazine subscription.
- Astronomical Society of New Haven - STARS --- \$300 1st Place Astronomy Prize
- The Howard Lessoff Award for Excellence in Physical Science Research --- \$100 check

Trumbull St. Catherine of Siena School Mrs. Schickler

5522 P8 2 Magnus Effect: The Influence and Energy Output of High Altitude Horizontal Wind Rotor Systems

Student(s) Ethan C. Kee **Grade** 8 **Town** Trumbull

- Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, membership to CT Science Center given by CSF
- IEEE, Connecticut Section --- \$100 Honorable Mention

Wallingford Choate Rosemary Hall Deron Chang

3089 LS 1 The Rate of Internalization of Anti-DEC205 Coated Nanoparticles by Dendritic Cells

Student(s) Aakash Bhattacharya **Grade** 12 **Town** Fairfield

- U.S. Army --- certificate and \$50 savings bond

Watertown The Taft School William Kron

6038 PS 1 Study of the Effect of Gravity on Capillary Waves in a Surfactant-Water Solution

Student(s) Matthew A. Petroff **Grade** 11 **Town** Cheshire

- Intel Excellence in Computer Science Award --- \$200 & certificate

Westport Coleytown Middle School Ms. Reiman

4015 PT 3 Can a significant amount of benzene be created in diet orange soda after being exposed to sunlight?

Student(s) Erin M. Gandelman **Grade** 8 **Town** Westport

Sarah Rakin **Grade** 8 **Town** Westport

- Connecticut State Department of Health Laboratory Employees --- \$75 award

Westport Coleytown Middle School Jodi R. Rieman

2029 L7 1 Over Expression of Colorectal Cells

Student(s) Malin S. Hovstadius **Grade** 7 **Town** Westport

- The Children's Museum --- 1 family plus membership to the Children's Museum

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Windsor	Madina Academy	Mehwish Amin	2523	L8	2	Biodegradable Plastic Just Might Be The Solution To Landfill Problems		
Student(s) Rubina Bhura					Grade 8	Town East Hartford		
<ul style="list-style-type: none"> ● Ricoh Corporation/Society for Science & the Public --- certificate and membership to CT Science Center given by CSF ● Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related ● Lola Lampe Müller Award --- \$150 cash for a middle or high school project 								
Woodbridge	Amity Regional High School	Ms. Deborah Day	3080	LS	2	Temperature Tolerance Range for Larval Styela clava		
Student(s) Williams S. Dixon					Grade 11	Town Woodbridge		
<ul style="list-style-type: none"> ● Mystic Aquarium and Institute for Exploration --- \$100 ● Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Senior & T-Shirt ● Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum 								
Woodbridge	Amity Regional High School	Deborah Day	3073	LS	2	Meeting Expectations: Manipulating Stereotype Threat		
Student(s) Emily Feng					Grade 11	Town Bethany		
<ul style="list-style-type: none"> ● Connecticut Association of School Psychologists --- \$25 and framed certificate 								
Woodbridge	Amity Regional High School	Ms. Deborah Day	3010	LS	2	Does Facebook Prevent Alzheimer's? The relationship between online social networking and cognitive function in senior citizens.		
Student(s) Joan Kim					Grade 11	Town Bethany		
<ul style="list-style-type: none"> ● CURE BioScience Explorations --- CURE Award for Research Excellence - HS Life Sci; Limited Ed. crystal awd; \$50 gift certificate given by CSF 								
Woodbridge	Amity Regional High School	Ms. Deborah Day	6067	PS	2	Emotional Models Improve Human-Robot Interaction		
Student(s) Jenny J. Liu					Grade 11	Town Orange		
<ul style="list-style-type: none"> ● YSEA - Yale Science & Engineering Association, Inc. --- Certificate, Medallion, membership to CT Science Center given by CSF 								
Woodbridge	Amity Regional High School	Deborah Day	3055	LS	2	Impact of Sound and Movement on Equine Behavioral Response		
Student(s) Samantha L. Monck					Grade 11	Town Orange		
<ul style="list-style-type: none"> ● Connecticut Academy of Audiology --- \$150 Cash Award High School - For Excellence in Audiology and Acoustics 								
Woodbridge	Amity Regional High School	Ms. Deborah Day	3062	LS	1	An Invertebrate Model for the Study of Microvasculature		
Student(s) Anfal Y. Nyhan					Grade 12	Town Orange		
<ul style="list-style-type: none"> ● Mu Alpha Theta --- Certificate, membership to CT Science Center given by CSF 								

Connecticut Science Fair

Special Award Winners

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

Woodbridge Amity Regional High School Deborah Day

6002 PS 2 Hydrology at the Confluence of the Cove River Proper and a 300m Tributary

Student(s) **Zizi Yu** Grade 10 Town Woodbridge

- Project Oceanology --- Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt
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Woodstock Woodstock Middle School Mrs. Carter

2022 L7 3 Reaction Time Test

Student(s) **Jared J. Latour** Grade 7 Town Woodstock

- U.S. Air Force --- Certificate, computer accessories kit, sport sling, pen and holder
-

Woodstock Woodstock Middle School Christine Carter

5024 P7 1 Carry Over Baking

Student(s) **Sarah L. Oleksiak** Grade 7 Town Woodstock

- Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner
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Woodstock Woodstock Middle School Christine Carter

4003 PT 2 Hydro Power

Student(s) **Cody Resnick** Grade 8 Town Woodstock
Cormac Lundt Grade 8 Town Woodstock

- National Oceanic and Atmospheric Administration --- certificate, medallion, and membership to CT Science Center given by CSF
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