

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

Final Judging Results

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

Alexion Biotechnology

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

7tł	า G	ra	d	6

Norwalk The Montessori Middle School David Lavallee		
2026 L7 Would A Spill Damage The Glow	Crada 7	Town Wester
Award 1 Student(s) Thomas Rosiello	Grade 7	Town Weston
Orange Southern Connecticut Hebrew Academy Mrs. Karen Howell		
4005 PT Analysis of non-heme iron's rate of cell absorption, and effect		·
Award 2 Student(s) Rivka Kantor	Grade 7	Town Westport
Bracha E. Hecht	Grade 7	Town Orange
Guilford E.C. Adams Middle School Lynn Arnold		
2023 L7 Using Daphnia To Model The Effects Of Common Household	d Cleaning Age	ents On Lifespan And Reproduction.
Award 3 Student(s) Matthew J. Shorten	Grade 7	Town Guilford
Middlebury Memorial Middle School Mrs. Sachs		
2011 L7 The Relationship Between Different Methods of Thawing and	d Bacterial Gro	wth on Chicken.
Award 4 Student(s) Walter J. Manuel	Grade 7	Town Southbury
Woodstock Woodstock Middle School Mrs. Carter		
5046 P7 What are the effects of pH and temperature on the efficiency	of ethanol pro	duction from biomass?
Award 5 Student(s) Deanna L. Guilani	Grade 7	Town Woodstock Valley
Avon Talcott Mountain Academy Mr. Pellino		
2001 L7 How Humidity Affects Fungal Growth		
Award m Student(s) Gwynne T. Domashinski	Grade 7	Town Suffield
Pawcatuck St. Michael School Michael DeNoia		
1005 LT What's the Deal With Organic Food? Examining Herbicides in	n Chickpeas.	
Award m Student(s) Victoria L. Johnson	Grade 7	Town Pawcatuck
Adeline S. Visscher	Grade 7	Town Mystic
8th Grade		
Newtown St. Rose of Lima School Marde Dimon		
2514 L8 Improved Process for Bioremediation of Oil Contaminated Se	eawater	
Award 1 Student(s) Haley M. Ryan	Grade 8	Town Newtown
Danbury St. Joseph School Mrs. Jennifer Page		
2519 L8 Outbreak! Predicting the modes and transmission rates of a l	human viral ep	oidemic
Award 2 Student(s) Janine A. Kerr	Grade 8	Town Danbury
Orange Southern Connecticut Hebrew Academy Mrs. Karen Howell		
2521 L8 Quantitative Analysis of Hypoxia and Its' Causes in Long Isla	and Sound's Es	-
Award 3 Student(s) Boruch S. Hecht	Grade 8	Town Norwalk
Orange Southern Connecticut Hebrew Academy Mrs. Karen Howell		
5550 P8 Quantitative Analysis of Bisphenol A, Effect on Simulated Ce	ll and Skin Ab	
Award 4 Student(s) Menachem T. Meltzer	Grade 8	Town New Haven



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Alexion Biotechnology [SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title] Windsor Madina Academy Aisha Seval Effects of composting leaves, coffee grounds, vegetables, or fruits compared to store-bought fertilizer and regular soil | 1014 | on the growth & appearance of plants and on soil nutrient levels 5 Student(s) Rayyan Ashraf Grade 8 Town Windsor Award Shakeel A. Choudhury Grade 8 Town Bloomfield Southern Connecticut Hebrew Academy Mrs. Howell Orange Effect of Bioremediation Nutrient Cultures on Degradation of Oil Spills, and Effect on Sand and Marsh Grass. 2509 L8 Student(s) Chaim M. I. Hodakov Grade 8 Town New Haven Award m Orange Southern Connecticut Hebrew Academy Mrs. Karen Howell The Buffering Capacity of Various Types of Soils and Grasses on Acid Rain Student(s) Moshe Y. Piekarski Grade 8 Town Hamden m Award Westport Coleytown Middle School Jodi Rieman Association of Polymorphisms in Rheumatoid Arthritis and Juvenile Rheumatoid Arthritis Susceptibility Genes 2526 L8 Student(s) Malin S. Hovstadius Grade 8 Town Westport Award **High School** Danbury Danbury High School Marsha Turek LS Biological Control of Ticks to Prevent Lyme Disease Using Entomopathogenic Nematodes 3024 Student(s) Ryan D. Kerr Grade 10 Town Danbury Award Glastonbury Glastonbury High School Diane Pintavalle Anticancer property of major goat milk fatty acids and delineating their mechanisms of action Student(s) Amoolya V. Narayanan Grade 12 **Town** Glastonbury 2 Award Sacred Heart Academy Mrs. Frances Saukas Hamden 3079 A Comparative Study of Herbs Grown Using an Aquaponic vs. a Hydroponic Growing System Student(s) Olivia N. Kelly Grade 9 Town Shelton 3 Award Hamden Hamden High School Mr. Farley Investigations of Novel Therapies For Lupus 3086 Student(s) Alaric J. Gee Grade 12 Town Hamden Award New Milford New Milford High School Ms. Reed LS Methicillin-Resistant Staphylococcus Aureus (MRSA) in New Milford High School Student(s) Toni Viola Grade 11 Town New Milford Award **Danbury** Danbury High School Mrs. Sinha 3089 LS Can Freshwater Plants Break Down Pesticides in Water? Student(s) Krista Nicholson Grade 9 Town Danbury m Award Immaculate High School Mr. Hoyt **Danbury** 3510 LST The antibiotic effects of antioxidant-rich cruciferous vegetables Student(s) Adriana M. DeNardis Grade 10 **Town** Danbury Award Merna Haddad Grade 10 Town Danbury



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Alexion Biotechnology

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

Putnam Putnam Science Academy Coskun Candan 3503 LST Measuring the Effects of Microwave Radiation on Plant Growth and Germination via experiments on Phaseolus Lunatus m Student(s) Selman F. Avci Grade 9 Town Putnam Award **Almas Myrzatay** Grade 9 Town Putnam Samil Y. Isik Town Putnam Grade 9 Putnam Putnam Science Academy Ahmet Hakan Duman 3513 LST Utilizing Autumn Foliage as an Alternative Energy Source and as an Absorbing Agent for Oil Spills Student(s) Ozkan Cil Town Putnam Grade 12 Award Selahaddin S. Ozkan Grade 11 Town Putnam Fehmi E. Agaoglu Grade 11 Town Putnam Rye Country Day School Dr. Mary Krasovec Rye, NY LS Development and Characterization of a Novel Listeria-Caspase-3 DNA Vaccine to Eradicate Metastatic Breast Cancer Student(s) Swathi Krishnan Town Stamford m Grade 12 Award



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Final Judging Results

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Mathematics

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

Avon Talcott M	Iountain Academy M	•				
5539 P8	Using a Multiple Reg	ression Model to Predict	Success of Major Leag	ue Basebal	l Teams	
Award 1	Student(s) David	P. Marchena	Grade	≥ 8 To	wn New Hartford	
Bozrah Fields	Memorial School Ev	Brown				
2018 L7	Cracking Codes And	Solving Ciphers				
Award 2	Student(s) Conn	or S. Provost	Grade	e 7 To	wn Bozrah	
Danbury St. Jo	seph School Mrs. Je					
2519 L8	Outbreak! Predicting	the modes and transmis	sion rates of a human v	iral epidem	ic	
Award 3	Student(s) Janin	e A. Kerr	Grade	≥ 8 To	wn Danbury	
	lountain Academy M	ary Bauer				
5517 P8	Langton's Ant Farm					
Award m	Student(s) Peter	P. Baczyk	Grade	e 8 To ∘	wn Avon	
	. Bridget School Ms.	•				
5023 P7		erature On The Viscosity	Of Motor Oil			
Award m	Student(s) Nicole	Robitaille	Grade	e 7 To	wn Manchester	
	High S	chool				
Glastonbury G	alastonbury High School	ol Diane Pintavalle				
6027 PS	A Surprising Geome	tric Transformation				
Award 1	Student(s) Chun	g Su Hong	Grade	e 12 To	wn Glastonbury	
	m Science Academy					
6014 PS	Improving the Efficie	ncy of Robotic Arm Move	ement through Advanced	d Geometri	c Calculations	
Award 2	Student(s) Serik	Tukupov	Grade	e 10 To	wn Putnam	
	les High School Dr. N	•				
6074 PS		Receiver for a Binary Q				
Award 3	Student(s) Yuri D). Lenskiy	Grade	e 12 To	wn Westport	
	ford High School Mrs	·				
6065 PS	Microprocessor squa	-				
Award m	Student(s) Brede	E. Doerner	Grade	e 11 To	wn Branford	



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Final Judging Results

Award Legend

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Environmental Sciences

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Project Title]

Windsor Madina Academy Aisha Seyal			
A novel water filtration and disinfection system designed using diodes (LED) for use in developing countries.	g a salad spinr	ner, dyn	amo and high intensity light emitting
Award 1 Student(s) Sithy A. Mahamoon	Grade 7	Town	Windsor
Bozrah Fields Memorial School Evelyn Brown			
2508 L8 Fanwort: Friend or Foe?			
Award 2 Student(s) Marissa A. Digby	Grade 8	Town	Bozrah
Madison Our Lady of Mercy School Rosalie Zonder			
1018 LT Will They Survive			
Award 3 Student(s) Kevin O'Brien	Grade 8	Town	Guilford
Liam Lynders	Grade 8	Town	Guilford
Orange Southern Connecticut Hebrew Academy Mrs. Karen Howell			
5518 P8 The Buffering Capacity of Various Types of Soils and Grasses			
Award m Student(s) Moshe Y. Piekarski	Grade 8	Town	Hamden
Stratford Harry B. Flood Middle School Mr.Gorski			
1019 LT How to Counteract the Effects of Acid Rain on Plant Life			
Award m Student(s) Lily A. Mudre	Grade 8	Town	Stratford
Rachel M. Mudre	Grade 8	Town	Stratford
Windsor Madina Academy Aisha Seyal			
Effects of composting leaves, coffee grounds, vegetables, or fon the growth & appearance of plants and on soil nutrient leve	ruits compare els.	d to sto	re-bought fertilizer and regular soil
Award m Student(s) Rayyan Ashraf	Grade 8	Town	Windsor
Shakeel A. Choudhury	Grade 8	Town	Bloomfield
Windsor Madina Academy Mehwish Amin			
2002 L7 A Novel Approach to Oil Spill Cleanup: Wood Chips			
Award m Student(s) Sofija Gjonbalaj	Grade 7	Town	Manchester
High School Greenwich Greenwich High School Andrew Bramante			
6040 PS Electrified Nanoscale Architecture in Mixed Matrix Membranes	s as a Means	of Rapid	d Throughput Water Sterilization
Award 1 Student(s) Will B. Hallisey	Grade 11	Town	Greenwich
Greens Farms Greens Farms Academy Sara Campolettano			
3001 LS The Investigation of the Biological Health of the New Creek Saldentification of Benthic Invertebrates	alt Marsh throu	ıgh Wat	ter Quality Testing and Species
Award 2 Student(s) Allison C. Kruk	Grade 12	Town	Easton
Wallingford Choate Rosemary Hall Lawrence Stowe			
3066 LS Biodegradation of Polylactide Nanoweb Electrospun for Fresh	water Harmful	Algal E	Bloom Removal
Award 3 Student(s) Joshua S. Kim	Grade 11	Town	Wallingford



[SchTown]

[School]

Connecticut Science Fair Quinnipiac University March 15 - 19, 2011

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Environmental Sciences

[Teacher]

[Proj#] [FCat] [Project Title] Bethel Bethel High School Mr. Raymond Turek Super Weed: Allelopathic Inhibition of Garlic Mustard (Alliaria Petiolata) on Germination and Growth of Native Zinnia 3043 LS m Student(s) Julie M. Zeller Grade 11 Town Bethel Award Darien Darien High School Mr. David Lewis A Study of Egg Fertility Rate in Leatherback Sea Turtle Clutches Over the Nesting Season (March-June) at the Pacuare Reserve, Costa Rica Student(s) Dana E. Howe Grade 12 Town Darien Award m Greenwich Greenwich High School Andrew Bramante Subsistence of Escherichia Coli on Artificial Turf Sufaces 3025 LS Student(s) Charlotte D'Acierno Grade 11 Town Old Greenwich Award Hamden Sacred Heart Academy Mrs. Frances Saukas LS A Comparative Study of Herbs Grown Using an Aquaponic vs. a Hydroponic Growing System Student(s) Olivia N. Kelly m Grade 9 Town Shelton Award Oxford High School Mrs. Doherty PS Design and Testing of Two-step Arsenic - remediating water filtration system (year two) 6048 Student(s) Joseph A. Bonavita Jr Grade 12 Town Oxford Award m



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Applied Technology

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

Windsor Madina Academy Aisha Seyal			
A novel water filtration and disinfection system designed using diodes (LED) for use in developing countries.	g a salad spini	ner, dyn	amo and high intensity light emitting
Award 1 Student(s) Sithy A. Mahamoon	Grade 7	Town	Windsor
Greenwich/Riverside Eastern Middle School Brian Carstens			
5009 P7 A Cost-Effective, Eco-Friendly Weather Monitoring UAV.			
Award 2 Student(s) Paul J. Hansel	Grade 7	Town	Old Greenwich
Norwalk The Montessori Middle School David Lavallee			
5554 P8 Airlift Water Pumping			
Award 3 Student(s) Eric Smith	Grade 8	Town	Norwalk
Hebron Oei Homeschool Ellen McHugh			
5030 P7 Prototype Design of an Electricity Generating Shoe Utilizing a	a Pumped Air 1	Turbine.	
Award m Student(s) Maura C. Oei	Grade 7	Town	Hebron
Stafford Springs St. Edward School Mrs. Milnes			
5559 P8 Ion Engines: A Superior Deep Space Propulsion Method			
Award m Student(s) Benjamin S. Teerlinck	Grade 8	Town	Monson
Windsor Madina Academy Mehwish Amin			
2002 L7 A Novel Approach to Oil Spill Cleanup: Wood Chips			
Award m Student(s) Sofija Gjonbalaj	Grade 7	Town	Manchester
High School Greenwich Greenwich High School Andrew Bramante [6069] PS Optimization of a Microbial Fuel Cell Structure to Drive a Bioe	alectrochemica	Ilv-Accie	etad Wastowator Troatment Reactor
	Grade 11		Cos Cob
Award 1 Student(s) Ryota Ishizuka	Graue 11	TOWIT	
Manchester East Catholic High School Ms. Noble			
6072 PS Applying the Principles of the Tesla Engine to Design and Co			
Award 2 Student(s) Bridget M. Oei	Grade 9	Town	Hebron
Manchester East Catholic High School Ms. Holly Noble			
6050 PS Development of a Composite Clay Polymer Sponge for Reme	ediation of Oil (Contami	nated Water.
Award 3 Student(s) Theresa A. Oei	Grade 12	Town	Hebron
New Milford New Milford High School Mr. Felten [6060] PS What are the most desirable sources of mud for a microbial fu			
Award m Student(s) Tara E. Larkin	Grade 11	Town	New Milford
Putnam Putnam Science Academy Fatih Cekic			
Award m Student(s) Serik Tukupov	Grade 10	Town	Putnam
Manchester East Catholic High School Ms. Holly Noble [6050] PS Development of a Composite Clay Polymer Sponge for Reme Award 3 Student(s) Theresa A. Oei New Milford New Milford High School Mr. Felten [6060] PS What are the most desirable sources of mud for a microbial function of the Award Memory Student(s) Tara E. Larkin Putnam Putnam Science Academy Fatih Cekic [6014] PS Improving the Efficiency of Robotic Arm Movement through A	ediation of Oil (Grade 12 uel cell? Grade 11 dvanced Geor	Contami Town Town	nated Water. Hebron New Milford alculations



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Applied Technology

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

		nool Dr. Katherine Nuzzo				
3008 LS	Efficacy of So	lar Disinfection Using Artifici	al Sunlight Versus a Composite o	f Infrared	d, Ultraviolet, and Visible I	_ight
Award m	Student(s)	Caroline Caglioni	Grade 12	Town	Redding	
	. •	Dr. Nicholas Morgan				
6064 PS	Evaluation of	Venting-to-Coolant in Sodiur	n-Cooled Fast Neutron Reactors			
Award m	Student(s)	Tessa D. Green	Grade 12	Town	Westport	



Conn. Academy of Science & Engineering

[SchTown] [School]

[Teacher]

[Proj#] [FCat] [Project Title]

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Final Judging Results

Award Legend

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High School

Rye, NY R	ye Country Day School Dr. Mary Krasovec	
3003	LS Development and Characterization of a Novel	Listeria-Caspase-3 DNA Vaccine to Eradicate Metastatic Breast Cancer
Award	Student(s) Swathi Krishnan	Grade 12 Town Stamford
Greenwich	Greenwich High School Andrew Bramante	
6069	PS Optimization of a Microbial Fuel Cell Structure	to Drive a Bioelectrochemically-Assisted Wastewater Treatment Reactor
Award	Student(s) Ryota Ishizuka	Grade 11 Town Cos Cob



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Final Judging Results

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

CSTA Marty Tafel Award

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Project Title]

Newtown St.	Rose of Lima School Marde Dimon			
2514 L8	Improved Process for Bioremediation of Oil Contaminate	d Seawater		
Award	Student(s) Haley M. Ryan	Grade 8	Town	Newtown
West Hartford	St. Timothy Middle School Mrs. Christine Simao-Breen			
5538 P8	Aerodynamics: A Study in the Improvement of Auto Body	y Aerodynamic Effic	iency	
Award	Student(s) Sean Oleasz	Grade 8	Town	West Simsbury



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Computer Science

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

Avon Talcott Mountain Academy Mrs. Bauer			
5513 P8 The Mathematics of Card Counting			
Award 1 Student(s) Brendan Forbes	Grade 8	Town	Granby
Bozrah Fields Memorial School Ev Brown			
2018 L7 Cracking Codes And Solving Ciphers			
Award 2 Student(s) Connor S. Provost	Grade 7	Town	Bozrah
Danbury St. Peter/Sacred Heart School Mr. Greg Capone			
5034 P7 A-MAZE-ing Robots: Data structures, Algorithms, and Moder	n Robotics		
Award 3 Student(s) Gabriel A. Correa	Grade 7	Town	Danbury
Greenwich/Riverside Eastern Middle School Brian Carstens			
5009 P7 A Cost-Effective, Eco-Friendly Weather Monitoring UAV.			
Award m Student(s) Paul J. Hansel	Grade 7	Town	Old Greenwich
High School			
Branford Branford High School Mrs. Elperina			
6065 PS Microprocessor square root algorithms			
Award 1 Student(s) Brede E. Doerner	Grade 11	Town	Branford
Norwich Norwich Free Academy Robert Johnson			
6518 PST Programming a LEGO NXT Robot to Work as a Search and R	escue Robot		
Award 2 Student(s) Miranda R. Cirrito	Grade 9	Town	Bozrah
Remington J. Carle	Grade 10	Town	Norwich
Westport Staples High School Dr. Nick Morgan			
6074 PS Modeling an Optimal Receiver for a Binary Quantum Channel	Using Informa	ation Th	eory
Award 3 Student(s) Yuri D. Lenskiy	Grade 12	Town	Westport
Fairfield Fairfield College Preparatory School Mrs. O'Reilly			
6093 PS Autonomous Kite Wind Generator to Capture Troposphere Win	nds		
Award m Student(s) Kyle T. Ryan	Grade 10	Town	Trumbull
Greenwich Greenwich High School Andrew Bramante			
6090 PS Statistical machine translation with syntactic weighting of targe	et-language tra	anslatio	n probabilities
Award m Student(s) Connor M. Harris	Grade 11	Town	Riverside
Watertown The Taft School William Kron			
6092 PS Design and Construction of a Linear Particle Accelerator			
Award m Student(s) Matthew A. Petroff	Grade 12	Town	Cheshire



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Future Sustainability

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Project Title]

High School

Manchester Eas	st Catholic High School Ms. Holly Noble			
6050 PS	Development of a Composite Clay Polymer Sponge for Reme	ediation of Oil	Contami	inated Water.
Award 1	Student(s) Theresa A. Oei	Grade 12	Town	Hebron
Manchester Ea	st Catholic High School Ms. Noble			
6072 PS	Applying the Principles of the Tesla Engine to Design and Co	nstruct a Prot	otype of	a Bladeless Wind Turbine
Award 2	Student(s) Bridget M. Oei	Grade 9	Town	Hebron
Fairfield Fairfiel	d College Preparatory School Mrs. O'Reilly			
6093 PS	Autonomous Kite Wind Generator to Capture Troposphere W	inds		
Award 3	Student(s) Kyle T. Ryan	Grade 10	Town	Trumbull
	ster High School Mr. Schmidt			
6075 PS	Biomimetic Insulation: Inspired by the eastern tent caterpillar	and white-taile	ed deer	
Award m	Student(s) Madeleine L. Skaller	Grade 12	Town	Brewster
	enwich High School Andrew Bramante			
6020 PS	Solid State Thermoelectric Power Generation Using Strategic	Household P	lacemer	nt
Award m	Student(s) Carl O. Akerman	Grade 11	Town	Greenwich
	enwich High School Andrew Bramante			
6069 PS	Optimization of a Microbial Fuel Cell Structure to Drive a Bioe	electrochemica	ılly-Assis	sted Wastewater Treatment Reactor
Award m	Student(s) Ryota Ishizuka	Grade 11	Town	Cos Cob
	enwich High School Mr. Andrew Bramante			
6066 PS	Synthesis of Hot Electron Carrier Lead Selenide Nanocrystals Reduction	s and Thin Filr	n Layers	s using a a Novel Vitamic C
Award m	Student(s) Victoria R. Leto	Grade 11	Town	Greenwich
Greenwich Gre	enwich High School Andrew Bramante			
6071 PS	Improved Spectral Response of Dye Sensitized Solar Cells th Transfer (FRET)	rough Red-Sh	nift Fluor	rescence Resonance Energy
Award m	Student(s) Thomas C. Newberry	Grade 11	Town	Riverside
New Milford Ne	w Milford High School Mr. Felten			
6060 PS	What are the most desirable sources of mud for a microbial fu	uel cell?		
Award m	Student(s) Tara E. Larkin	Grade 11	Town	New Milford
	ch Free Academy Mr. Robert V Johnson			
6029 PS	Impact of Turbine Design on Renewable Energy Storage Sys	tem Efficiency	'	
Award m	Student(s) Ian D. Dakers	Grade 11	Town	Bozrah



Goodrich Engineering Excellence Award

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

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Newtown St. Rose of Lima School Marde Dimon					
2514 L8 Improved Process for Bioremediation of Oil Contaminated Sea	awater				
Award 1 Student(s) Haley M. Ryan	Grade 8	Town	Newtown		
Newtown St. Rose of Lima School Marde Dimon					
5020 P7 Truss-t In Your Bridge					
Award 2 Student(s) Dominic C. Pagliaro	Grade 7	Town	Sandy Hook		
Danbury Broadview Middle School D. Rovnak					
4014 PT Earthquake					
Award 3 Student(s) Evan L. Coco	Grade 8		Danbury		
Tyler Amaral	Grade 8	Town	Danbury		
Bozrah Fields Memorial School Mrs. Brown					
5016 P7 Baseball Bat Comparison					
Award m Student(s) Coogan E. Pellerin	Grade 7	Town	Bozrah		
Bozrah Fields Memorial School Mrs. Brown					
5008 P7 Rocket Science					
Award m Student(s) Jack A. Santo	Grade 7	Town	Bozrah		
Danbury St. Peter/Sacred Heart School Mr. Greg Capone					
5034 P7 A-MAZE-ing Robots: Data structures, Algorithms, and Model	rn Robotics				
Award m Student(s) Gabriel A. Correa	Grade 7	Town	Danbury		
Greenwich/Riverside Eastern Middle School Brian Carstens					
5009 P7 A Cost-Effective, Eco-Friendly Weather Monitoring UAV.					
Award m Student(s) Paul J. Hansel	Grade 7	Town	Old Greenwich		
Hebron Oei Homeschool Ellen McHugh					
5030 P7 Prototype Design of an Electricity Generating Shoe Utilizing a	•				
Award m Student(s) Maura C. Oei	Grade 7	Town	Hebron		
Norwalk Ponus Ridge School Joe Buellesbach					
5514 P8 A New Angle on Green Energy					
Award m Student(s) Elle Buellesbach	Grade 8	Town	Norwalk		
Norwalk The Montessori Middle School David Lavallee					
5554 P8 Airlift Water Pumping					
Award m Student(s) Eric Smith	Grade 8	Town	Norwalk		
West Hartford St. Timothy Middle School Mrs. Christine Simao-Breen					
5538 P8 Aerodynamics: A Study in the Improvement of Auto Body Aero	odynamic Effic	ciency			
Award m Student(s) Sean Oleasz	Grade 8	Town	West Simsbury		



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Goodrich Engineering Excellence Award

[Teacher]

Final Judging Results **Award Legend**

[SchTown] [School] Trophy Winners = 1, 2, ... Medalists = m Winners = w

[Proj#] [FCat] [Project Title]

Windsor Madina Academy Aisha Seyal

5041 P7 A novel water filtration and disinfection system designed using a salad spinner, dynamo and high intensity light emitting

	diodes (LED)	for use in	developing count	ries.			
Award m	Student(s)	Sithy A.	Mahamoon		Grade 7	Town	Windsor
	Hic	gh Sch	nool				
Manchester Eas							
6050 PS			•	er Sponge for Remed	liation of Oil	Contami	nated Water.
Award 1	Student(s)			or spengerer content	Grade 12		Hebron
7111414							
Manchester Eas							
6072 PS				ne to Design and Cons			a Bladeless Wind Turbine
Award 2	Student(s)	Bridget	M. Oei		Grade 9	Iown	Hebron
Greenwich Gree	enwich High S	chool Ar	ndrew Bramante				
6040 PS	Electrified Na	noscale A	rchitecture in Mixe	ed Matrix Membranes	as a Means	of Rapic	Throughput Water Sterilization
Award 3	Student(s)	Will B. I	Hallisey		Grade 11	Town	Greenwich
Fairfield Fairfiel	d College Prep	aratory S	chool Mrs. O'Re	illy			
6093 PS	Autonomous	Kite Wind	Generator to Cap	ture Troposphere Win	nds		
Award m	Student(s)	Kyle T. I	Ryan		Grade 10	Town	Trumbull
Greenwich Green	enwich High S	chool Ar	ndrew Bramante				
6071 PS		ectral Res		sitized Solar Cells thro	ough Red-Sh	nift Fluor	escence Resonance Energy
Award m	Student(s)	Thomas	C. Newberry		Grade 11	Town	Riverside
Greenwich Green	enwich High S	chool M	r. Andrew Braman	te			
6054 PS	Visible Illumir	nation of F	erroelectric BiFeC	3 Thin Films to Produ	ice a Polariz	ation-De	pendent Bulk Photovoltaic Effect
Award m	Student(s)	James F	P. O'Sullivan		Grade 11	Town	Old Greenwich
Norwich Norwic	ch Free Acade	my Mr. F	Robert V Johnson				
6029 PS				Energy Storage Syste			
Award m	Student(s)	lan D. D	akers		Grade 11	Town	Bozrah
Oxford Oxford H	High School I	Mrs. Dohe	rty				
6022 PS	•	approach	•	iomechanics of the ty	pical long dis	stance ru	inner's gait and its relation to
Award m	Student(s)		. Werner		Grade 11	Town	Oxford
Shelton Shelton	High School	Ausif Ma	hmood				
6001 PS	Renewable E	nergy For	Mobile Devices				
Award m	Student(s)	Rigel Ma	hmood		Grade 9	Town	Shelton
Wallingford Ch	oate Rosemar	y Hall La	awrence Stowe				
3066 LS	Biodegradation	on of Poly	actide Nanoweb E	Electrospun for Freshw	vater Harmfu	ıl Algal B	Bloom Removal
Award m	Student(s)	Joshua	S. Kim		Grade 11	Town	Wallingford



[SchTown]

Award |

Connecticut Science Fair Quinnipiac University March 15 - 19, 2011

[Teacher]

Goodrich Engineering Excellence

Award

[Proj#] [FCat] [Project Title]

[School]

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

Final Judging Results

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

Westport Staples High School Dr. Nick Morgan 6074 PS Modeling an Optimal Receiver for a Binary Quantum Channel Using Information Theory

Student(s) Yuri D. Lenskiy Grade 12 Town Westport



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Final Judging Results

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

CT Clean Energy Award

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

Woodstock Woodstock Middle School Mrs. Carter			
5046 P7 What are the effects of pH and temperature on the efficiency	of ethanol pro	duction f	from biomass?
Award 1 Student(s) Deanna L. Guilani	Grade 7	Town	Woodstock Valley
Newtown St. Rose of Lima School Marde Dimon			
2514 L8 Improved Process for Bioremediation of Oil Contaminated S	eawater		
Award 2 Student(s) Haley M. Ryan	Grade 8	Town	Newtown
Hebron Oei Homeschool Ellen McHugh			
5030 P7 Prototype Design of an Electricity Generating Shoe Utilizing	•		
Award 3 Student(s) Maura C. Oei	Grade 7	Town	Hebron
Manchester St. Bridget School Ms. Kim Maysonet			
The Effect Of Temperature On The Viscosity Of Motor Oil			
Award m Student(s) Nicole Robitaille	Grade 7	Town	Manchester
Middlefield Independent Day School Charlotte Stutz			
5512 P8 Fuel Cells, Are they the Future?			
Award m Student(s) Danielle M. Shubat	Grade 8	Town	East Haddam
Pawcatuck St. Michael School Mr. DeNoia			
5516 P8 The Effect of Blade Design on The Electrical Output of a Ver			
Award m Student(s) Catherine E. Montalto	Grade 8	Town	Westerly
Westbrook Westbrook Middle School Mrs. Shafer	0 "		
5508 P8 Do Different Light Sources Effect the Performance of a Sola			
Award m Student(s) Kaitlyn M. Luft	Grade 8	Town	Westbrook
High School			
Manchester East Catholic High School Ms. Noble			
6072 PS Applying the Principles of the Tesla Engine to Design and C	onstruct a Proto	otype of	a Bladeless Wind Turbine
Award 1 Student(s) Bridget M. Oei	Grade 9	Town	Hebron
Greenwich Greenwich High School Andrew Bramante			
6069 PS Optimization of a Microbial Fuel Cell Structure to Drive a Bio	electrochemica	ally-Assis	sted Wastewater Treatment Reactor
Award 2 Student(s) Ryota Ishizuka	Grade 11	Town	Cos Cob
Greenwich Greenwich High School Andrew Bramante			
[6071] PS Improved Spectral Response of Dye Sensitized Solar Cells to Transfer (FRET)	through Red-Sh	nift Fluor	escence Resonance Energy
Award 3 Student(s) Thomas C. Newberry	Grade 11	Town	Riverside
Greenwich Greenwich High School Mr. Andrew Bramante			
6066 PS Synthesis of Hot Electron Carrier Lead Selenide Nanocrysta Reduction	ls and Thin Filn	n Layers	using a a Novel Vitamic C
Award m Student(s) Victoria R. Leto	Grade 11	Town	Greenwich



[SchTown]

[School]

Connecticut Science Fair Quinnipiac University March 15 - 19, 2011

[Teacher]

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Final Judging Results **CT Clean Energy Award**

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

[Proj#] [FCat] [Project Title] **Greenwich** Greenwich High School Andy Bramante 6051 PS Purification of Biofuel Syngas via Methanation of CO2 with a Raney Nickel-Aluminum Alloy Student(s) Nicholas M. Ornitz Town Old Greenwich Grade 11 Award Oxford Oxford High School Mrs. Granucci Using Refinery Produced CO₂ Emissions to Form Limestone Aggregate Industrial Grade Cement, Calcium Carbonate, 6002 PS When Combined With Calcium. Student(s) Jared A. Schulman Grade 11 Town Oxford Award [m Putnam Science Academy Ahmet Hakan Duman 3513 LST Utilizing Autumn Foliage as an Alternative Energy Source and as an Absorbing Agent for Oil Spills Student(s) Ozkan Cil Grade 12 Town Putnam Award Selahaddin S. Ozkan Grade 11 Town Putnam Fehmi E. Agaoglu Grade 11 Town Putnam



eesmarts Sustainable Resources & Practices

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

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Final Judging Results

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

Woodstock Woodstock Middle School Mrs. Carter			
5046 P7 What are the effects of pH and temperature on the efficiency of	of ethanol prod	duction f	from biomass?
Award 1 Student(s) Deanna L. Guilani	Grade 7	Town	Woodstock Valley
Norwalk The Montessori Middle School David Lavallee			
5554 P8 Airlift Water Pumping			
Award 2 Student(s) Eric Smith	Grade 8	Town	Norwalk
Hebron Oei Homeschool Ellen McHugh			
5030 P7 Prototype Design of an Electricity Generating Shoe Utilizing a	•		
Award 3 Student(s) Maura C. Oei	Grade 7	Town	Hebron
Danbury St. Joseph School Mrs. Page			
S530 P8 Will the Use of Lenses Effect the Efficiency of Solar Panels?			
Award m Student(s) Sophia DiCarlo	Grade 8	Town	Danbury
Middlefield Independent Day School Charlotte Stutz			
5512 P8 Fuel Cells, Are they the Future?			
Award m Student(s) Danielle M. Shubat	Grade 8	Town	East Haddam
Norwalk Ponus Ridge School Joe Buellesbach			
5514 P8 A New Angle on Green Energy			
Award m Student(s) Elle Buellesbach	Grade 8	Town	Norwalk
Pawcatuck St. Michael School Mr. DeNoia			
5516 P8 The Effect of Blade Design on The Electrical Output of a Vertice	cal Axis Wind	Turbine	
Award m Student(s) Catherine E. Montalto	Grade 8	Town	Westerly
Windsor Madina Academy Mehwish Amin			
2501 L8 The Effect of pH on the Electrical Output of a Microbial Fuel Ce	ell		
Award m Student(s) Aasiya M. Ahmed	Grade 8	Town	Tolland
Windsor St. Gabriel School Margaret Rosa			
4018 PT Solar Flower Power			
Award m Student(s) Kirsten E. Mossberg	Grade 7	Town	Windsor
Alaina J. Mueller			



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Final Judging Results

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

Quinnipiac University

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Project Title]

East Haven	East Haven Academy Mrs. Staires				
5006 I	5006 P7 When I Change The Type of Antacid, How Many Milliliters of Stomach Acid Will Be Neutralized?				
Award	Student(s) Sarah E. Harkins	Grade 7	Town	East Haven	
	High School				
Greenwich	Greenwich High School Andrew Bramante				
	Greenwich High School Andrew Bramante S Subsistence of Escherichia Coli on Artificial Turf Sufaces				



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Final Judging Results

Award Legend

Trophy Winners = 1, 2, ... Medalists = m Winners = w

United Technologies

[SchTown] [School] [Teacher] [Proj#] [FCat] [Project Title]

Windsor	Madina Academy Mehwish Amin			
2501	L8 The Effect of pH on the Electrical Output of a Micro	bial Fuel Cell		
Award	Student(s) Aasiya M. Ahmed	Grade 8	Town	Tolland
Danbury	Broadview Middle School D. Rovnak			
4014	PT Earthquake			
Award	Student(s) Evan L. Coco	Grade 8	Town	Danbury
	Tyler Amaral	Grade 8	Town	Danbury
West Hartf	· · · · · · · · · · · · · · · · · · ·			
5538	P8 Aerodynamics: A Study in the Improvement of Auto	<u> </u>		
Award	Student(s) Sean Oleasz	Grade 8	Town	West Simsbury
	High School			
Shelton S	Shelton High School Ms. Hayes			
3508	LST The True Green Fuel Of the Future: Algae			
Award	Student(s) Adam P. Zhitomi	Grade 10	Town	Shelton
	Samanth E. Dimas	Grade 10	Town	Shelton
Glastonbu	ry Glastonbury High School Diane Pintavalle			
6027	PS A Surprising Geometric Transformation			
Award	Student(s) Chung Su Hong	Grade 12	Town	Glastonbury
	Norwich Free Academy Mr. Robert V Johnson			
6029	PS Impact of Turbine Design on Renewable Energy St			
Award	Student(s) lan D. Dakers	Grade 11	Town	Bozrah
Greenwich	5			
6054	PS Visible Illumination of Ferroelectric BiFeO3 Thin Fil			
Award	Student(s) James P. O'Sullivan	Grade 11	Town	Old Greenwich
Greenwich				
6069	PS Optimization of a Microbial Fuel Cell Structure to D			
Award	Student(s) Ryota Ishizuka	Grade 11	Town	Cos Cob