

# Projects

## 2009



**Connecticut Science Fair**  
**Quinnipiac University**  
**March 10 - 14, 2009**

<b>Proj#/Category</b>	<b>Students/Project Title</b>	
<b>Ashford Ashford School</b>		
2520 L8	Nicole E. Winchester	The Solution To Global Warming.... Iron?
5050 P7	Jacob A. Ayers	Coefficient of Restitution
5525 P8	Paul J. Ference	Calescent Catalysts
5541 P8	Ethan Lippert	Battery Power in Cold Temperatures
<b>Avon Talcott Mountain Academy</b>		
2020 L7	Alexandra S. Fielding	Black Hearted Monster
5030 P7	Alexander J. Oliveri-Meyer	RooChecker
5041 P7	Tate K. Knight	Good For You and Good For Mother Earth
5513 P8	Emily E. Baczyk	Can Snowflakes Be Modeled with Cellular Automata or Chaos?
5516 P8	Samuel Sims	Cellular Automata
5521 P8	Michael A. Basmajian	Quiet!...The Green Way
<b>Bozrah Fields Memorial School</b>		
1009 LT	Elise A. Swanson Brianna K. Lenehan	Horse Hoof Growth
2030 L7	Heather L. Barber	Feathers
4015 PT	John W. Rollinson Damian E. Robbins	Alternative Energy
5012 P7	Timothy A. Barber	Chocolate Melting
5019 P7	Dominic A. Mrakovcich	Ice Cream Meltdown
5057 P7	Miranda R. Cirrito	Snow Melting
<b>Bridgeport Bassick High School</b>		
3031 LS	Alexis Jimenez	Lung Capacity
3088 LS	Farhin Vahora	Finger Print Patterns
6020 PS	Escarlin Ramirez	Solar Water Heater
6037 PS	Jessica J. Soba	Measuring the Properties of Sand
6045 PS	Eliana Jasme	Rainbow Fire
6052 PS	Shanique K. Bunsie	Size Counts
6061 PS	Iven T. Sherman	Instruments for Determining the Concentrations of Sugar Solution.
<b>Bridgeport Bridgeport Aquaculture School</b>		
3013 LS	Colleen M. Hefferle	The Vector Dynamics of Mercury in Black Rock Harbor
3021 LS	Michael J. Nichols	Spread rate of <i>Phytophthora sojae</i> in a Static Hydroponic System.
3047 LS	Keli M. Veillette	The Uptake Rate of Copper (II) Chloride in <i>Crassostrea virginica</i>
3505 LST	Jason B. Petkevich Frederick T. Kaesmann	Tilapia Stocking Density Project
<b>Bridgeport Bridgeport Hope School</b>		
1015 LT	Joshua Montanaro Juan Victor Cabrera	Musical Sea Monkeys
4010 PT	Truman Peterson Kendall Wilborn	Electricity and Ink
4013 PT	Kwon Sook Gerena Jonathan Gerena	Water Pollution
4026 PT	Crystin Engram Kimberly Nilson	Air Pressure

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<b>Bridgeport Bridgeport International Academy</b>		
3063 LS	Bonne-Elise Y. Deshotel	<b>Which Has a Greater Benefit for the Environment, Fish Farming or Commercial Fishing?</b>
<b>Bridgeport Central High School</b>		
3501 LST	Courtney D. Manns Christina Ocasio	<b>A-maze-ing Mice</b>
6005 PS	Trent K. Meekins	<b>CFL vs. LED vs. Incandescents</b>
<b>Bridgeport Central Magnet High School</b>		
3081 LS	William C. Mendoza	<b>The Green Process Standstill</b>
3508 LST	Jeleeza J. Davis Nyrasia U. Lomax	<b>Cleansers Being Put To The Test, Which Kills Bacteria The Best?</b>
6506 PST	Nicolle M. Paulo Oscar Osorio	<b>Staying Warm in Winter</b>
<b>Bridgeport Dunbar School</b>		
2026 L7	Damejohn Smith	<b>Filtering H<sub>2</sub>O</b>
<b>Bridgeport John Winthrop School</b>		
5035 P7	Christina N. Wills	<b>Electrical Lighting Rechargeable Circuit</b>
<b>Bridgeport Multicultural Magnet School</b>		
2033 L7	Robert A. Russell	<b>Marsh O<sub>2</sub></b>
2511 L8	Michael A. Quintero	<b>What's in the Ground?</b>
<b>Bridgeport Park City Prep Charter School</b>		
1003 LT	Daniel J. Rivera Tatiana Pares	<b>Save The World</b>
4002 PT	Maurisa T. Jackson Lisa K. Anthony	<b>Optical Illusions</b>
5026 P7	Orrieon G. Cowes IV	<b>Smore's Solar Oven</b>
5530 P8	Robia-Janee' Langlois	<b>Does Oxidation Affect Vitamin C in Citrus Juices</b>
<b>Bridgeport Warren Harding High School</b>		
3011 LS	Cynthia E. Anaeto	<b>Osmosis In Diffusion</b>
3054 LS	Brandon Holland	<b>Rate Of Diffusion</b>
3074 LS	Lavanda M. Wright	<b>Testing the Effect of Sugar Substitutes on Yeast Respiration</b>
<b>Burlington Har-Bur Middle School</b>		
2512 L8	Matthew T. DiSorbo	<b>Comparing the Ability of Popular Antacids to Lower the Acidity of Stomach Acid</b>
2532 L8	Jordan M. LeBel	<b>The #1 Diaper</b>
5507 P8	Thomas J. Kysar	<b>Which Type of Paper has the Fastest Capillary Action?</b>
5540 P8	Kevin Sullivan	<b>Which Baseball Bat Hits a Ball the Farthest?</b>
5547 P8	Alexandra N. Roberts	<b>Splish Splash</b>
<b>Cheshire St. Bridget School</b>		
5037 P7	Laura J. Iliescu	<b>The Maglev Train</b>
5505 P8	Ryan A. Hannon	<b>Supercooling Water</b>
<b>Danbury Immaculate High School</b>		
6049 PS	Narmien Haddad	<b>Enzyme Catalyzed Biodiesel Production</b>
<b>Danbury St. Joseph School</b>		
2024 L7	Michael A. Schneider	<b>Big Foot Lives... A Comparative Study of the Carbon Footprint of City and Suburban Households</b>
2501 L8	Rvan D. Kerr	<b>The Effect of Phyttohormones on Plant Growth</b>

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5020 P7	Bridget S. Duffy	The Rise and Fall of Leavening Agents
5544 P8	Adriana M. DeNardis	Food coloring: Is It Good for You? Gel Electrophoresis and Spectrophotometric Analysis of Antioxidants in Natural and Synthetic Coloring
<b>East Granby</b>	<b>East Granby Middle School</b>	
5005 P7	Roma Semyanko	The Brightness of the Light Bulb
5014 P7	Geoff J. Hartman	Radio Waves
5016 P7	Charlie Huget	Density = Sustain
5510 P8	Casey Ouellette	Does Carbon Dioxide Affect Temperature?
5512 P8	Haley R. Derlinga	Which is the Greener Way?
5524 P8	Hannah E. Clark	Banana Bonanza: It's All in the Bag
<b>East Hartford</b>	<b>East Hartford High School</b>	
3018 LS	Carly A. Cuadras	The Affect of Magnetic Fields on the Growth and Germination of Grass Seeds
3057 LS	Lisa K. Murawski	Curvy Plants
3064 LS	Renee Haughton	The Potency of Natural Antimicrobials vs. Antibiotics
6031 PS	Derek Chaleun-Aloun	Humid Timber
6059 PS	Frank E. Bartold	Target Practice
6070 PS	Patrick M. Shea	Paper Airplanes and How Mass Affects the Distance that they Fly
<b>East Haven</b>	<b>East Haven Academy</b>	
2508 L8	Elise G. Tomasello	Container Confusion: Green, Clear, or None?
5045 P7	Siobhan A. Fennell	Is It Unsinkable?
5055 P7	Tanvi V. Patel	Windmill Energy
5511 P8	Kyle J. Parlato	Paper Airplanes and a Homemade Wind Tunnel
<b>East Lyme</b>	<b>East Lyme High School</b>	
3027 LS	Priya G. Ranade	Optimization of a Melanoma Screening Program Based on a Computer Simulation Model for Metastasis
<b>Ellington</b>	<b>Ellington High School</b>	
3512 LST	Christen L. Tamuty Nicki L. Angelica	A Day Out with the Tide-to-Go pen
<b>Fairfield</b>	<b>Fairfield College Preparatory School</b>	
3037 LS	Adam C. Kee	Algae, Biofuel of the Future
3073 LS	Nicholas Hilton	The Effects of a Small Electrical Current on the Metabolism of Yeast Cells
<b>Fairfield</b>	<b>Fairfield Warde High School</b>	
3029 LS	Anita Gade	Stargazin Glutamic Acid 191, a Conserved Residue Amongst TARP Proteins: Investigating Its Role in Stargazin Oligomerization
<b>Fairfield</b>	<b>Hillel Academy</b>	
2507 L8	Jason L. Wiener	Quantitative Analysis of Honey as an Antimicrobial and Antioxidant Agent, and Effect on Cell Absorption and Skin Hydration
2528 L8	Micol L. Bedarida	Quantitative Analysis of Carbon Dioxide Absorption and Adsorption Methods and Impact on the Greenhouse Effect
4011 PT	Rigel Janette Avraham Moskowitz	Quantitative Analysis of Resiliency, Stability, Firmness, and Antimicrobial Factors on Various Playground Surfaces
5546 P8	Yaakov Breiner	Quantitative Analysis of Plumbism on Cell and Skin Absorption and the Effect of Chelators on Absorption Process
<b>Fairfield</b>	<b>Holy Family School</b>	
1011 LT	Ashley M. Skyers Kareem Powell	The Anaphylactic Response to a Bee Sting.

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4022 <b>PT</b>	Keirsten Dodge Alexandra Torres	<b>Bouncy Bounce</b>
5007 <b>P7</b>	Michael P. Collins	<b>Index Card Tower</b>
5508 <b>P8</b>	Michelle C. Martire	<b>Got Speed?</b>
<b>Fairfield</b>	<b>Our Lady of the Assumption School</b>	
2516 <b>L8</b>	Evan C. Yiannoulis	<b>A Comparison of pH Levels and the Acidity of Urban and Rural Rainwater and the Affect on a Coleus.</b>
2527 <b>L8</b>	Bryan M. Gerstenfeld	<b>Do Phaseolus Vulgaris Grow Faster Hydroponically Or In Soil?</b>
2536 <b>L8</b>	Andrea J. Pringle	<b>What Are the Affects of Global Warming on Asterias forbesii?</b>
5542 <b>P8</b>	Alexandra Chrupcala	<b>Which Factors Affect Corrosion?</b>
<b>Fishers Island</b>	<b>Fishers Island School</b>	
6006 <b>PS</b>	Matthew R. Skinner	<b>The Perfect Ride</b>
6016 <b>PS</b>	Samantha N. Finan	<b>Get Hip with Rose Hips</b>
6035 <b>PS</b>	Sydney L. Streimer	<b>Magnets: Magic or Magnificent</b>
6044 <b>PS</b>	Charles C. Dutka	<b>Household Incinerator</b>
6047 <b>PS</b>	Andrea E. Grader	<b>As The Silver Tarnishes...</b>
6071 <b>PS</b>	Andrew F. Spinola	<b>Shadowed Seconds</b>
<b>Glastonbury</b>	<b>Glastonbury High School</b>	
3071 <b>LS</b>	Amoolya Narayanan	<b>Anti-biofilm Effect of Trans-Cinnamaldehyde on Uropathogenic Escherichia coli</b>
3086 <b>LS</b>	Mikayla K. Girelli	<b>Between Rock and a Soft Place: The Effect of Background Music on Memorization</b>
3097 <b>LS</b>	Kayla Adamson	<b>Does the Angle of Light Affect the Plant Growth?</b>
3509 <b>LST</b>	Angela M. Pereda Emma G. Lawes	<b>Power Driven Produce</b>
3520 <b>LST</b>	Jenna M. Cavanaugh Grace Shaw	<b>Global Warming</b>
6004 <b>PS</b>	John E. Schulz	<b>Teeth Whitening on Eggs?</b>
6064 <b>PS</b>	Brent S. Lorraine	<b>The Salt Filtration Sensation: The Salt Filtering Experiment</b>
6078 <b>PS</b>	Jason P. Franklin	<b>Color of Light + A Solar Panel = Amount of Energy Produced</b>
6505 <b>PST</b>	Yasmin Issari Hannah Cole	<b>The Speed of Light through Various Materials</b>
6508 <b>PST</b>	Josh Marzano Jen LaPier Preeti Srinivasan	<b>Sunscreen Blues</b>
6513 <b>PST</b>	Alex W. Gordon Cameron Weekly	<b>Cell Phones: Safe or Not?</b>
<b>Glastonbury</b>	<b>Smith Middle School</b>	
2043 <b>L7</b>	Benjamin R. Robinson	<b>Titrating Vitamin C</b>
5018 <b>P7</b>	Alex F. Gagnon	<b>Pump Up Your Knowledge</b>
5034 <b>P7</b>	Kyran T. McKinney-Crudden	<b>Variations of Newton's Cradle</b>
5056 <b>P7</b>	Kurt P. Jaisle	<b>Fling It</b>
<b>Greens Farms</b>	<b>Greens Farms Academy</b>	
3040 <b>LS</b>	Stephanie R. de Goeijen	<b>Integrated Aquaculture: The Effects of Fish-Oyster Polyculture on Water Quality and Oyster Growth</b>
6002 <b>PS</b>	Elizabeth G. Lane	<b>Athletes and Injuries: Accident or Predisposition?</b>
6015 <b>PS</b>	Max O. Spitzer	<b>Home Fabricated Ham Radio Receiver</b>
6055 <b>PS</b>	Lauren A. Vogel	<b>Cheaper, Quicker, Better- An Assessment of Microwave Assisted Organic Synthesis Versus Conventional Techniques.</b>

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6517 PST	Ashton Whitcomb Jeb Waters Donnie Green	Pedaling for Power- An Assessment of Human Generated Electricity
<b>Greenwich Greenwich High School</b>		
3056 LS	Felix Y. Zhou	Characterization of PGC1a Functions in Gene Transcriptional Regulation
3061 LS	Laurence V. Pevsner	Fungal Remediation of Diesel-contaminated Soil with the Oyster Mushroom, <i>Pleurotus ostreatus</i>
3066 LS	Eliza H. McNitt	Shedding Light On Imidacloprid's Role in Colony Collapse Disorder
3093 LS	Sophie H. Vos	Cortisol Concentration of Tears May Indicate Adrenal Fatigue
3096 LS	Daniel P. Kelly	Social Interference in Parallel Processing of Three Pitch-Image Paradigms
3100 LS	Sarah E. Yee	The Elution of Pharmaceuticals from a Hydrophilic Wound Dressing
3504 LST	David Finkelstein Stephen Rubino	Analysis of <i>Jatropha Curcas</i>
6001 PS	Gregory Oudheusden	Real or Imagined; Does Artificial Turf Come Undone During the Summer Months?
6013 PS	Victor P. Ansart	Emissions of Compressed Natural Gas in a Wankel Rotary Engine Comparison with Gasoline Emissions
6018 PS	Michael D. Tom	The Creation of an Elastic Integrated Circuit for Applications in Medicine
6048 PS	William C. Newberry	Laser-Induced Microfluidic Motion of a Liquid-Liquid Interface
6051 PS	Matthew Lowe	The Exploration of Synthetic Ruby Excitation Using Photoluminescent Spectroscopy
6068 PS	Andrew J. Beinstein	Perfluorinated Carboxylic Acids in Commercial Hamburger Wrappers
<b>Guilford E. C. Adams Middle School</b>		
2005 L7	Taylor N. Hudak	The Effect of Water Treatment Residual Solids on the Growth of Bean Plants
2012 L7	Kimber G. Kristy	The Effect of Duration of Light Exposure on Plant Growth in Green Bean Seeds
2018 L7	Charlotte C. Killiam	The Effect of HCl Acid on the pH of Deionized Water, Sodium Phosphate Buffer, and Ocean Water.
2036 L7	Ian E. Whittall	Planning Better Forests For Maximum Oxygen Production
5048 P7	Olivia L. Schultes	The Effect of Different Mediums on the Speed of Heat Transfer
<b>Guilford Guilford High School</b>		
3079 LS	Amanda E. Simon	Are Students Suffering for Their Education? The Effect of Backpack Weight on Students' Health
6014 PS	Boyd G. Whittall	Magnetic Motion Engineering
6024 PS	James A. Walwer	Optimizing Wind Turbine Blade Designs
6028 PS	Andrew Wolek	The Affect of Time, Distance, and Voltage on the Thickness of an Electroplated Coating
6038 PS	Alan P. Weiner	Ball Mill Optimization
6043 PS	Colleen M. Marcik	Alternate Material to Skate On
6046 PS	Marissa E. Morris	The Effect Tennis Ball Placement and String Tension have on the Average Height of a Tennis Ball
6057 PS	Gioia L. Pappalardo	When Bridges Break: The Effect of Truss Design on Bridge Strength
6069 PS	Ted T. Jensen	The Effect of Different Solutes on Ice Melting
<b>Hamden Hamden High School</b>		
3052 LS	Rong R. Bian	An HEK Stable Cell Line Expressing High Level of Motor Protein Prestin: A Model for Outer Hair Cells
3094 LS	Katherine Esposito	Iron Lab
<b>Hamden Hamden Middle School</b>		
2510 L8	Sarah J. Miller	Bad Hair Day?
5509 P8	Andrew H. Klimaszewski	Does the Angle of a Solar Panel Affect the Amount of Power Outputted?

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5529 P8	Theodore S. Lynn	Solar Powered Car
<b>Hamden Sacred Heart Academy</b>		
3084 LS	Elizabeth A. Tomanio	The Power of Spice
3502 LST	Meghan Zwahlen Amanda Kelly	How Various Soil Compositions Impact the Vitamin C Content of Tomatoes
3506 LST	Alexandra Rallo Megan Grammatico	The Effect of pH on Bleach's Cleaning Properties
3515 LST	Maura Greene Katherine Lee	The Effects of Specific Micronutrients on the Growth of Phaseolus vulgaris
6510 PST	Rebecca K. Bartels Clare E. Kane	The LCD Color Change Experiment
6514 PST	Austin E. Ferrara Raychel M. Decker	The Effect pH has on Iron Available for Absorption
<b>Hartford Classical Magnet School</b>		
5501 P8	Dutton G. Smith-Wellman	What Every Good Fisherman Must Know: How Fish Attractants Disperse in Water?
<b>Hartford Greater Hartford Academy of Math &amp;</b>		
1002 LT	Alex P. Whyte Russell J. Weeks	Solar Snow Purification
3033 LS	Bryan A. Rodrigues	Reproductive Strategies in Taraxacum Officinale and Acer Saccharum
3060 LS	Sanjana Patel	E. coli Elimination
6502 PST	Liz Miller Sara Thermer	The Creation of Electrical Energy Using Solar Power
6515 PST	Brandon M. Harris Joshua M. Pelton Inol J. Santana	Vampire Electronics: Myth or Reality
<b>Hartford Hartford Magnet Middle School</b>		
2503 L8	Alyssa J. Annino	What Do Plants Prefer?
2517 L8	Felicia M. Woron	The Effects of X-Rays on the Growth of Seeds
5027 P7	Megan R. Leubner	Listen Up!
5039 P7	Reed C. Truax	Flaming Fuels
<b>Hartford SS. Cyril and Methodius School</b>		
2034 L7	Johann J. Charles	Which Natural Juice and Soda Has the Most Sugar?
2534 L8	Jonathan Tavarez	Are Fingerprint Patterns Hereditary?
5051 P7	Kamila M. Orzechowski	How Do We Remove Heat From An Object?
5536 P8	Chayla S. Alston -Smith	Does Water Have the Pressure to Lift Wood?
<b>Hartford University High School of Sci and Eng</b>		
6518 PST	Seth M. Grunert Paul Bellbruno	The Effects of Various Surface Treatments on Boundary Layer Fluid Dynamics of an Airfoil
<b>Hebron Oei Homeschool</b>		
5023 P7	Bridget M. Oei	Piezoelectric Tiles: A Novel Approach to Harvesting Vibrations as a New Renewable Energy Source
<b>Hebron RHAM High School</b>		
3050 LS	Jacob D. Savage	The Effect of Carbon Dioxide on Plant Life
6039 PS	Evelyn E. Murphy	Effects of Altering Wire Material in an Electromagnet
6042 PS	Scott P. Anderson	The Effects of Magnet Strength and Number on Voltage in a Wind Turbine
6072 PS	Connor P. McBrine	Efficiency of Various Wind Turbine Designs
6516 PST	Nathaniel D. Baribault Connor W. Henry	Wind Turbine: The Efficiency of the Number of Blades and the Angles.

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<b>Kensington St. Paul School</b>		
2506 L8	Jacqueline M. Denver	Substances vs. Plant Growth
2518 L8	Brittany N. Nemphos	Light vs. Plant Growth
5009 P7	Ryan J. Gadea	The Effect of Heat On Magnetism
5052 P7	Michael J. Edmiston	Does the Temperature of an Environment Affect the Tuning Accuracy of a Guitar?
<b>Lebanon Lyman Memorial High School</b>		
3043 LS	Hanna R. Tarbox	The Effect of Natural Pesticides on Mosquito Larvae
3518 LST	Max J. Wolf Lara J. Reynolds	Water Quality of The Susquetonscut Brook and Does the Water Quality Decrease Downstream from the Lebanon Town Landfill?
6022 PS	Timothy W. Wengloski	How Temperature Affects a Baseball
6074 PS	Alexander B. Drucker	Using a Venturi Tube to Circulate Air Through a Room.
<b>Madison Our Lady of Mercy School</b>		
2029 L7	Adam C. Bechtold	Worms, Worms, Worms!
4012 PT	Sienna G. Fucci Maxwell Bechtold	Fore!!
4014 PT	Katie E. Phillips Gabrielle R. Kerins	Viva la Vida
4025 PT	Madison A. Fucci Elizabeth M. Falcigno	Heat Seeker
<b>Manchester East Catholic High School</b>		
6056 PS	Theresa A. Oei	Eggshell Membranes as Reactive Substrates for the Formation and Assembly of Lead Sulphide (PbS) Nanocrystals
<b>Middletown St. Sebastian School</b>		
2514 L8	Mary T. Tran	How Does Caffeine Affect Blood Pressure?
5022 P7	Shannon R. Hickey	Fertilizer Comparision
5518 P8	Christopher Skomro	Which Light Bulb Produces The Most Heat?
5520 P8	Christina R. DAMico	What are the Effects of Salt, Sand, and Calcium Chloride on Melting Ice?
<b>Milford Lauralton Hall</b>		
3101 LS	Ashley R. Bresnahan	Can SDS Hurt the Environmment?
<b>Milford St. Gabriel School</b>		
2037 L7	Christopher J. Krouch	Why is Sugar Used to Make Candy?
2525 L8	Joseph J. Gomolson	Picture Memorization: Gender
5029 P7	Lianne C. Maynard	Finding the Resonant Frequency
5526 P8	Meredith M. Simses	Fresh H2O You
<b>Milford West Shore Middle School</b>		
2003 L7	Soumya Kundu	The Changing Color of Leaves
4027 PT	Brooke C. Bonetti Josh Paton	Solar Power!
5028 P7	Laura E. Knoedler	Blowin'in the Wind: Which Shape (Teardrop, Rectangle or Triangle) of Wind Turbine Blade Rotates the Fastest?
5033 P7	Elizabeth A. Gregorio	Water and Architecture
<b>Monroe Jockey Hollow School</b>		
4006 PT	Neil S. McCarter Michael Massar S. Massar	What Do You Truss
<b>Mystic Mystic Middle School</b>		
2502 L8	Chris E. Chevalier	Distracted!

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4005 PT	Kyle C. Gillick Zachary P. Poirier	The Power of Wind
<b>New Britain</b>	<b>Pope John Paul II School</b>	
2019 L7	Brianna N. Dobransky	Are You Thirsty?
5519 P8	Somaya J. McDermott	Tick Tock Tack
<b>New Britain</b>	<b>Sacred Heart School</b>	
2014 L7	Michaela K. Muller	Traveling Bacteria...Are You Giving Free Rides?
4021 PT	Klaudia Z. Komarnicka Ewelina Dembinska	Cool Junctions
5049 P7	Jennifer J. Heppner	Growing Crystals In Different Temperatures
5535 P8	Pawel S. Widomski	Staying Warm
<b>New Haven</b>	<b>Betsy Ross Arts Magnet School</b>	
2032 L7	Alyssa M. Celone	Artificial or Natural?
2524 L8	Taryn Smedley	Which Saddle Pad Keeps the Horse Coolest?
5043 P7	Lucy Robison	Keeping the Roads from Icing Over
5502 P8	Casey M. Rutkowski	Go The Distance
<b>New Haven</b>	<b>Common Ground High School</b>	
3034 LS	James D. Beech	The Effects of Connecticut Climate Change on the Behavior of Red Spotted Newts
6025 PS	Tyler A. Johnson	Wind Power for Small Houses.
<b>New Haven</b>	<b>Cooperative Arts &amp; Humanities High</b>	
3009 LS	Renee A. Beamon	Switchgrass the Next Renewable Bio-Fuel
3503 LST	Leah Gimbel D'Yanira N. Vega	Botanical Investigation
6032 PS	Ileana M. Alvarez-Diaz	Rusting Away
6060 PS	Iris R. Cruz	We're Sinking!
<b>New Haven</b>	<b>High School in the Community</b>	
3036 LS	Brittany L. Johnson	Which Classroom Contains the Most Bacteria
3039 LS	Matthew J. Wozniak	Who'd Ya Saw?
3045 LS	Shariah A. Cross	Bacterial Death
3067 LS	Lilliam Ramos Jamesha Green	Teen Stress
3513 LST	Jacqueline N. Cain Quentin R. Lee	Tooth Decay by Using Egg Shells
6011 PS	Rachel Hohman	Biodiesel Pollutants
6030 PS	Shawanda K. Miller	Lemonology
6034 PS	Laquashia D. Sweets	How Much Vitamin C is in Juice?
6077 PS	Jalani A. Jenkins	Which Has More Force in a Punch - A Hook or An Uppercut
6503 PST	Douglas E. Locke Meshaya McClung	Water Rockets
6509 PST	Janice J. Santiago Milcaly Rodriguez	Fingerprinting with Light and Powder Techniques
6512 PST	Kashia Sweets Jamie Tyson	Chromatography
<b>New Haven</b>	<b>St. Aedan- St. Brendan School</b>	
2021 L7	Eli J. Moore	Do Different Colored Lights Effect Plant Growth?
2504 L8	John C. Zibluk	You put WHAT on the table?
5523 P8	Joseph A. Milone	Burn Baby Burn

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<b>New Haven</b> <b>Worthington Hooker Middle School</b>	
1004 LT	Emma Zehner Maia Robinson <b>Does Your Hair Have Muscle?</b>
4017 PT	Sophie H. Dillon Lily S. Engbith <b>O3 No! The Ozone!</b>
5017 P7	Sophia J. O'Brien-Udry <b>Wood Burning</b>
5046 P7	Leo B. Weinreb <b>The Roomba Boomba</b>
5545 P8	Andrew B. Suzuki <b>The Duel of the Fuels</b>
<b>New London</b> <b>Bennie Dover Jackson Middle School</b>	
1023 LT	Yanashley M. Bures Anyssa A. Dhaouadi <b>"Beat the Beat"</b>
2531 L8	Hailey M. Lugo <b>Tune in to Dolphins</b>
5058 P7	Nicholas M. Muscarella <b>Goey Chewy Gum</b>
<b>Newington</b> <b>St. Mary School</b>	
2006 L7	Mary-Kathryn Rogers <b>Does Music Help Plants Grow?</b>
2013 L7	Melissa J. Doolan <b>Which Fruits and Vegetables Make the Best Dye?</b>
2513 L8	Anthony M. Lanzarone <b>Is Carbonated Water Better For Plant Growth Than Other Drinks?</b>
2515 L8	Sarah E. Reilly <b>How Can the Amount of Bacteria Found on Sponges and Dish Cloths Be Reduced?</b>
<b>North Haven</b> <b>North Haven High School</b>	
3082 LS	Fiona W. Wood <b>Biophysically Realistic Computational Models of Temporal Encoding in Cortex</b>
<b>Norwalk</b> <b>Brien McMahon High School</b>	
3055 LS	Meghan L. Moore <b>The Effect of pH and Solute Concentration on Osmosis and Diffusion in Animal Cells</b>
3058 LS	Arianna V. Bailey <b>Evaluating the Effectiveness of the American Dental Association Recommendations for Cancer Patients Oral Care</b>
3507 LST	Kayla A. Emano Hannah R. Miller <b>Messy Memory</b>
3511 LST	Sarah Delinski Daniela Echavarria <b>Saving The Ice Caps</b>
3516 LST	Steven Velez Charmange Verano <b>Apple Bottom Genes</b>
3519 LST	Navin K. Rajendran Veer Dedhia <b>Killing Bacteria</b>
<b>Norwalk</b> <b>The Montessori Middle School</b>	
1020 LT	Raymond T. Maccio Kyle Matthews <b>Pop Rock Shrimp</b>
2001 L7	Rasika R. Ramanan <b>Enzymes</b>
2027 L7	Uma Smith <b>Cleaning Connecticut with Algae</b>
2041 L7	Harrison G. Potter <b>Turn Up The Heat</b>
<b>Norwich</b> <b>Norwich Free Academy</b>	
3032 LS	Samantha M. Schoepfer <b>Hordeum vulgare as an Aquatic Algaecide</b>
3078 LS	Jessica S. Banning <b>Characteristics of Epiphyte Growth, Spread, and Rafting in Qaiumbog Cove Eelgrass Beds</b>
6007 PS	Heather N. Leask <b>Investigation of Memristive Devices</b>
6062 PS	Ian D. Dakers <b>Solar Updraft Tower</b>
<b>Norwich</b> <b>St. Joseph School</b>	
5006 P7	Seth D. Johnson <b>Solar Energy</b>
5517 P8	Remington J. Carle <b>Parabolic Trough</b>

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5534 P8	Joseph H. Leise	Tsunami
<b>Norwich</b>	<b>St. Patrick Cathedral School</b>	
2523 L8	Stephen J. Walkup	Which Mouthrinse is Most Effective
<b>Old Saybrook</b>	<b>Old Saybrook Middle School</b>	
5021 P7	Keanna L. Chang	Adjustment of Decision Upon Change in Assumed Risk / Benefit
<b>Orange</b>	<b>Beth Chana Academy</b>	
3025 LS	Naomi F. Rogol	When Daphnia Have Energy Drinks
3042 LS	Talia L. Sessel	Does Your Thoughts Affect Plant Growth in Water?
<b>Orange</b>	<b>Southern Connecticut Hebrew</b>	
2017 L7	Rivka E. Salhanick	The Effect of Different Food Types on Yeast Cells.
2040 L7	Ariela E. Martin	Of Light and Darkness: Do Light Conditions Affect the Growth and Reproductive Patterns of Earth Worms?
5543 P8	Aaron Y. Rabinowitz	Do Solar Electric Transformers Produce Strong Electromagnetic Fields (EMF)?
<b>Oxford</b>	<b>Oxford High School</b>	
3517 LST	Paige W. Rollinson Kate L. Terrell	Feasibility of the Invasive Asian Shore Crab ( <i>Hemigrapsus sanguineus</i> ) as a Bioindicator of Health in Long Island Sound
6009 PS	David Samuelman	Production of Microdiesel via Genetically Engineered Microorganisms
6017 PS	Dylan Scaife	Fabrication, Characterization, and Microwave Properties of Custom Elastomer-Encased Metals
6029 PS	Daniel Spicer	Reduction of Resistance to Fluid Movement in a PEM Fuel Cell Due to Freezing
6036 PS	John Knepple	Environmental Remediation of Fuel in Little River
6041 PS	Tyler S. Williams	Design and Construction of a Computer Liquid Cooling System Using a Sodium Nitrate Solution as a Heat Transfer Fluid
6075 PS	Gannon W. Ferrell	Piezoelectric Energy
<b>Pawcatuck</b>	<b>St. Michael School</b>	
1014 LT	Nicholas J. Rosa Andrew A. McCauley	Chaos: A Study of an Invasive Species Population.
1021 LT	Jacqueline Wyper Liam O. Keenan	A Comparative Study of the Health of Two Clam Beds Located on Long Island Sound
5003 P7	Caleb M. Whewell	Which is Better Economically and Energy Wise--Active or Passive Solar Energy?
5054 P7	Miranda J. Schlachter - Hall	Powered By Air
<b>Plantsville</b>	<b>John F. Kennedy Middle School</b>	
1008 LT	Nicholas A. Stafko Steven V. Sica	What Fruit Has The Most DNA?
2007 L7	Stephen J. Peccerillo	Warm Hands Warm Heart?
4020 PT	Andrea N. Baldick Emilee E. Kemnitz	Drippy Droopy Diapers
5015 P7	Kylie Sarantides	Eggs-actly Where is An Egg the Strongest?
<b>Putnam</b>	<b>Putnam Science Academy</b>	
3022 LS	Fatih Macun	The Qualitative Examination of the Industrial Gases on the Amaryllis Type Stoma.
3035 LS	Nahit A. Akarsu	Producing Environmental Friendly Fuel by Mixing Ethanol with Gasoline
3049 LS	Ibrahim Buyukcelebi	A Major Public Health Problem: Antibiotic Resistant Bacteria
3070 LS	Zekeriya K. Abacioglu	Making a Fuel Which is Environmental Friendly and Releases High Energy
6054 PS	Ozkan Cil	Photoelectric Crane
6065 PS	Mehmet Sencan	Protecting Screeners from Malicious Distributors
6507 PST	Yusuf Yilmaz Ahmet F. Sencan	Crazy Waves As Our Saviors

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<b>Redding Joel Barlow High School</b>		
3026 LS	Jason Fenwick	<b>The Effect of Musical Experience on the Ability to Discern the Bitrate of Digital Audio</b>
3046 LS	Kate Tschudi	<b>The Time to Drop pH v. Conditions Milk is kept Under</b>
3053 LS	Stephanie B. Erspamer	<b>Sleep and Success</b>
3510 LST	Alyssa M. Bilinski Evan P. Streams	<b>Determining the Cost-Effectiveness of Gardasil in Males</b>
<b>Riverside Eastern Middle School</b>		
5514 P8	Thomas S. Yang	<b>Light Antennas</b>
<b>Rye, NY Rye Country Day School</b>		
3016 LS	Swathi Krishnan	<b>Use of Novel structure RNA molecules to Block HIV-1 Replication</b>
<b>Shelton Shelton High School</b>		
3514 LST	Kaleel Mahmood Daniel Lavigne	<b>The Microbe Menace: How Certain Substances Can Prevent Bacterial Armageddon</b>
6008 PS	Hania Zaman	<b>Unbeatable Tic-Tac-Toe</b>
6021 PS	Kelli M. Freer	<b>That's the Way the Light Bends: The Effect of Temperature on Index of Refraction</b>
6040 PS	Theodore F. Lipscomb II	<b>Horse of a Different Color: Human Color Perception</b>
6063 PS	Ryan J. Roussel	<b>Increasing the Efficiency of Hydrogen Production with Thermal Energy</b>
6504 PST	Brian Winger Vincent O'Brien Evan Soderholm	<b>Beat that Stephen Hawking?</b>
6511 PST	Vincent N. Patino Adam E. Falk	<b>Liquid Frequencies</b>
<b>Southington Joseph A. DePaolo Middle School</b>		
4018 PT	Andrew J. Sikora Sarthak S. Agrawal	<b>Maglev Madness</b>
4023 PT	Nik Thomson Steven Barmore	<b>Lasers: Pointing in a New Direction</b>
5040 P7	Matthew J. Albrecht	<b>Is Your Cell Phone Dangerous?</b>
5548 P8	Bryan Davis	<b>The Right Angle</b>
<b>Southington St. Thomas School</b>		
2002 L7	Joey M. D'Agostino	<b>Stop Rot</b>
2015 L7	Nicholas Szyszkowski	<b>Heart Rate</b>
5503 P8	Matt Santovasi	<b>Listening to Light – Using Sound Modulated Light to Silently Transmit Sound without Wires</b>
5532 P8	Jeffrey M. Kolb	<b>Solar Energy: Sufficient or Insufficient</b>
<b>Stafford Springs St. Edward School</b>		
5013 P7	Kaitlin N. Hollinger	<b>Solar Panel Efficiency</b>
5042 P7	Emily M. Jacoboski	<b>Wood Burning: A Biofuel Heating Source</b>
5047 P7	Will H. DiSisto	<b>What is the Gluten Content in Different Types of Flour?</b>
5531 P8	Margaret F. Hopkins	<b>What Factors Affect Centripetal Force?</b>
<b>Stamford Bi-Cultural Day School</b>		
1001 LT	Rebecca Goldstein Zimi Sloyer	<b>Recycled Coffee Grinds as an Alternative Fertilizer</b>
1007 LT	Erika S. Brown Sophie B. Handler	<b>Would You Drink This?</b>
1012 LT	Adina Cohen Abby Berk	<b>The Soap Which Removes the Most Microorganisms.</b>

Proj#/Category	Students/Project Title	
1019 LT	Max Eber Douglas Russ	Growth of Brassica Rappa in Worm Castings of Different Nutrient Value
1025 LT	Emily S. Jelen Rachel C. Feurstein	Mouthwash Against Bacteria
5036 P7	Ally Sterling	Do People React More Strongly to Specific Flavors on the Tongue or Are All Parts Equally Sensitive?
<b>Storrs</b>	<b>E. O. Smith High School</b>	
3020 LS	Aaron Chen	Effects of Water Current on Growth of Aquacultured Colonies of the Soft Coral <i>Anthelia glauca</i>
3023 LS	Marisia A. Fikiet	Outer Semipermeable Membranes for the Working Electrodes of Amperometric Glucose Sensors
3065 LS	John C. Giardina	To Feed or Not to Feed: Effects of Supplemental Feeding on Growth of Soft Coral
3077 LS	Charles P. Colwell	A Study of Tropical Bird Communities in Lowland Old-growth and Regenerating Costa Rican Rainforest
3089 LS	Ariana M. Levin	Effects of Acidification on Growth in the Stony Coral <i>Seriatopora hystrix</i>
3092 LS	Michael P. Bride	Testing the Effects of Heat on Specific Coral Species
<b>Stratford</b>	<b>Flood Middle School</b>	
5538 P8	Brendan H. Wardlow	Weather and its Impact on an NFL Playoff Offenses Production
<b>Tolland</b>	<b>Tolland High School</b>	
6026 PS	Wutae T. Lee	Evaluation of TAP Single Particle Pump-Probe Experiments Using Matlab® and Moment Analysis
<b>Trumbull</b>	<b>St. Catherine of Siena School</b>	
1017 LT	Danial P. Donnelly Stanley A. Wolpiuk	Who is Better?
2004 L7	Julia E. Mocchiola	Beauty or the Beast?
2025 L7	Ethan C. Kee	Will It Glow, A Comparative Analysis of Bioluminescence and Chemiluminescence
2039 L7	Olivia N. Kelly	Is Soil-less The Best? A Study of Alternative Growing Systems and the Effects on Growth, Quality, and Vitamin C Content of Grape Tomatoes
5506 P8	Kyle T. Ryan	Design of an Inflatable Solar Concentrator to Reduce Price per Watt and Amplify Photovoltaic Energy Production
<b>Wallingford</b>	<b>Choate Rosemary Hall</b>	
3012 LS	Aditya Rajagopalan	Modeling Synergistic Cellulolytic-Hemicellulolytic Enzyme Complexes for Lignocellulosic Hydrolysis
3090 LS	Suril A. Kantaria	Understanding the Cell-Mediated Immune Response Mechanism: Finding the Source of Cross-Presentation Antigen in vivo
6076 PS	Aakash Bhattacharya	A Longitudinal And Cross-sectional Panel Data Analysis Of Labor Cost Variability In Large And Small Firms
<b>Waterbury</b>	<b>Wilby High School</b>	
6501 PST	Ilka J. Collado Quinton Pittman Johnnie Pereira	Seasonal Passive Solar Heating
<b>Watertown</b>	<b>Taft School</b>	
6010 PS	Matthew A. Petroff	Development and Construction of an Autonomous Unmanned Aerial Vehicle
<b>West Hartford</b>	<b>St. Brigid School</b>	
2023 L7	Alexia M. Merkouriou	Germ Free?
2028 L7	Luisa A. Anquillare	Big vs. Small
2505 L8	Sadie Martinez	Short Term Memory Loss - Girls vs. Boys Ages 13-14. Who has the Better Short Term Memory?
2530 L8	Elia M. Galdamez	Melting Point

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<b>West Hartford St. Timothy Middle School</b>		
1006 LT	Sarah C. Gillespie Emily E. Kearney	<b>Can You Spell Hippocampus</b>
2521 L8	Matt H. McGoldrick	<b>Slow Cooker</b>
4009 PT	Catherine M. Higgins Kara K. Hearn	<b>Dont Break The Ice</b>
5031 P7	Matthew J. Masciocchi	<b>Wind Velocity</b>
<b>Westbrook Westbrook Middle School</b>		
2008 L7	Christine M. Gelotte	<b>The Search for Natural Sunscreens: Can Green Vegetables or Fruit Extracts Protect Skin from Sun?</b>
2042 L7	Lauren H. Cyr	<b>How Clean is Your Kitchen? (Comparing the Hygiene of Different Kitchens) Comercial Kitchen, Residential Kitchens, School Kitchen</b>
5533 P8	Kathryn H. Cyr	<b>It's Not Easy Being Green!! (Comparing "Green" Cleaners to Traditional Cleaners)</b>
5537 P8	Bethany R. Schuster	<b>What Cools a Liquid the Most Starting at Room Temperature?</b>
<b>Westport Bedford Middle School</b>		
1010 LT	Courtney C. Babbin Ellie G. Mann	<b>How Does Different Water Affect Radish Growth?</b>
2537 L8	Sarah E. Cooperman	<b>How the Amount of Wood Ash in Soil Affects the Height of a Bean Plant</b>
4004 PT	Angus Armstrong Jeremy Sherman	<b>The Effect of the Number of Pieces in the Golf Ball on the Distance of the Drive</b>
4008 PT	Katie Platt Bailey Valente	<b>How Does the Brand of Mascara Affect the Time it Takes for 0.25 Milligrams to Wash Off of the False Eyelashes?</b>
<b>Westport Coleytown Middle School</b>		
1016 LT	Katie Hickson Michaela Macdonald	<b>Calescent Colors</b>
1022 LT	Blythe S. Lewis Chrissy Taylor	<b>Remembering the Rainbow</b>
4029 PT	Kelly E. Harris Nina N. Chasnow	<b>Parachute Predicament</b>
<b>Westport Staples High School</b>		
3008 LS	Connor Einarsen	<b>Collective Intelligence in a Slime Mold</b>
3015 LS	Matthew Greenberg	<b>Obesity Pathogenesis: Dissecting the Models of Leptin Resistance</b>
3028 LS	Nicole M. Tricarico	<b>Determening the Efficiency of Drug-Eluting Stents Useing Computational Analysis</b>
3041 LS	Danielle Borom	<b>Less Time in the Grocery Store: Using a Scanner to Make Food Shopping More Efficient and Provide for the Manufacturer</b>
3068 LS	Ashley C. Tyminski	<b>Learning Capabilities in Sea Stars as Exemplified in the Chocolate Chip Starfish, Protoreaster nodosus</b>
3072 LS	Will McCambley	<b>Learning and Memory in Octopus Bimaculoides</b>
3075 LS	Tessa T. Romero	<b>Uncovering the Genetic Fingerprints of Cervical Cancer: "A Study on the HPV E7 Oncoprotein"</b>
3087 LS	Ben Andrew	<b>The Effects of the Vertical-Horizontal Illusion on the Consumption of Food</b>
3098 LS	Jason Gandelman	<b>Discovery of Evolutionary Adaptations in Saccharomyces Cerevisiae To Combat Protein Deformation by Advanced Glycation End Product Formation</b>
<b>Willington Hall Memorial School</b>		
2009 L7	Liam C. McLean	<b>Mealworm Metamorphosis Madness</b>
2011 L7	Luciana C. Mueller	<b>Bacteria Growth in Waters around Willington</b>
2016 L7	Vanessa Lusa	<b>To Fear or Not to Fear</b>
5011 P7	Skyley R. Parizek	<b>Salt vs. Ice</b>

Proj#/Category	Students/Project Title	
<b>Wilton Middlebrook School</b>		
2522 L8	Jacob S. Saltzman	<b>Did You Brush Your Teeth?</b>
4001 PT	Tyler J. Philbrick Daniel Riecker	<b>#2: Does It Really Matter?</b>
4016 PT	Rohit Chandran Matthew Erickson	<b>Skynergy</b>
4024 PT	Michael Lash Adam Damon	<b>What Goes Down Must Come Up</b>
<b>Windsor Madina Academy</b>		
2035 L7	Adnan Rashid	<b>Don't Waste the Waste!</b>
2526 L8	Hibbah Ashraf	<b>Wood Ash or Fertilizers for a Healthier Plant</b>
2533 L8	Marrium Z. Qureshi	<b>Packing the Future</b>
5038 P7	Javairia A. Butt	<b>Hydrogenate the Future</b>
5053 P7	Rubina Bhura	<b>Is Solar Power Colorblind?</b>
<b>Windsor St. Gabriel School</b>		
5002 P7	Matthew Smoolca	<b>Blown Away! The Power of Wind Erosion</b>
5515 P8	Rekha P. Kennedy	<b>Zeroing In On Zero Gravity</b>
5527 P8	William McCaffrey	<b>Battery Face Off</b>
<b>Woodbridge Amity Regional High School</b>		
3007 LS	Joan Kim	<b>Prolylcarboxypeptidase and alpha-MSH</b>
3014 LS	Jennifer D. Dalecki	<b>The Impact of Positive Emotions</b>
3017 LS	Williams S. Dixon	<b>The Clearance Rate of the Tunicate <i>Styella Clava's</i> Clearance Rate</b>
3019 LS	Joshua I. Burger-Caplan	<b>Hyperphosphorylation of Caseins via Phosphorous Oxychloride to Produce High Calcium Cheese</b>
3024 LS	Yuqi Zhang	<b>Location Specific Regulation of the Cell Cycle of B Lymphocytes within Germinal Centers</b>
3038 LS	Thomas J. Mattessich	<b>Examining Microbes in <i>Ixodes scapularis</i> Mid-guts</b>
3051 LS	Justin A. Bunnell	<b>The Effect of Mold and Decomposition on the Amount and Quality of Biodiesel Fuel Extracted from Hickory Nuts</b>
3059 LS	Danielle L. Eldracher	<b>Impulsivity and Risk Taking in Adolescents with Body Modification</b>
3069 LS	Dave Steinmetz	<b>Expression of <i>lin-4</i> in <i>Caenorhabditis elegans</i></b>
3076 LS	Ishan Sinha	<b>Accelerated Learning Within the Human Auditory System</b>
3083 LS	Jiaqi J. Liu	<b>Stimulating or Suppressing - The Effects of Instruction on Rated Creativity</b>
6053 PS	Laura van Dyck	<b>Paleomagnetism: Finding the Paleoproterozoic Position of Slave Craton</b>
<b>Woodstock Woodstock Middle School</b>		
5001 P7	Emily J. Rosaci	<b>What is the Effect of Acids and Bases on Copper?</b>
5008 P7	Tatjana N. Tschirpke	<b>Which Crane Can Support More Weight?</b>
5024 P7	John W. Neill	<b>Does Temperature Affect a Golf Ball?</b>
5032 P7	Hannah E. Guilani	<b>What are the Effects of Light Intensity, Temperature, Wavelength, and Angle of Light Upon a Solar Cell?</b>