

## Connecticut Science Fair Quinnipiac University March 15 - 19, 2011

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

### **Applied Technology**

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

#### **Middle School**

Sough   P7   A Cost-Effective, Eco-Friendly Weather Monitoring UAV.	Windsor Madina Academy Aisha Seyal			
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.  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 Oel Homeschool Ellen McHugh 50309 P7 Prototype Design of an Electricity Generating Shoe Utilizing a Pumped Air Turbine.  Award m Student(s) Maura C. Oel 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 Bioelectrochemically-Assisted Wastewater Treatment Reactor Award 1 Student(s) Ryota Ishizuka Grade 11 Town Cos Cob  Manchester East Catholic High School Ms. Noble 6072 PS Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine Award 2 Student(s) Bridget M. Oel Grade 9 Town Hebron  Manchester East Catholic High School Ms. Noble 6050 PS Development of a Composite Clay Polymer Sponge for Remediation of Oil Contaminated Water.  Award 3 Student(s) Theresa A. Oei Grade 12 Town Hebron  New Millford New Millford High School Mr. Felten 6060 PS What are the most desirable sources of mud for a microbial fuel cell?  Award m Student(s) Trae E. Larkin Grade 11 Town New Millford  Putnam Putnam Science Academy Fatth Cekic 6014 PS Improving the Efficiency of Robotic Arm Movement through Advanced Geometric Calculations	A novel water filtration and disinfection system designed usin diodes (LED) for use in developing countries.	g a salad spini	ner, dyn	amo and high intensity light emitting
Sough   P7   A Cost-Effective, Eco-Friendly Weather Monitoring UAV.		Grade 7	Town	Windsor
Norwalk The Montessori Middle School David Lavallee   5554   P8   Airliff Water Pumping	Greenwich/Riverside Eastern Middle School Brian Carstens			
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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 Pumped Air 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 Bioelectrochemically-Assisted Wastewater Treatment Reactor  Award Student(s) Ryota Ishizuka Grade 11 Town Cos Cob  Manchester East Catholic High School Ms. Noble [6072] PS Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine  Award 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 Remediation of Oil Contaminated Water.  Award 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 fuel cell?  Award Student(s) Tare E. Larkin Grade 11 Town New Milford  Putnam Putnam Science Academy Fatih Cekic [6014] PS Improving the Efficiency of Robotic Arm Movement through Advanced Geometric Calculations	Award 2 Student(s) Paul J. Hansel	Grade 7	Town	Old Greenwich
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 Pumped Air Turbine.  Award M Student(s) Maura C. Oel 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 Bioelectrochemically-Assisted Wastewater Treatment Reactor  Award 1 Student(s) Ryota Ishizuka Grade 11 Town Cos Cob  Manchester East Catholic High School Ms. Noble  6072 PS Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine  Award 2 Student(s) Bridget M. Oel Grade 9 Town Hebron  Manchester East Catholic High School Ms. Holly Noble  6050 PS Development of a Composite Clay Polymer Sponge for Remediation of Oil Contaminated 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 fuel cell?  Award M Student(s) Tara E. Larkin Grade 11 Town New Milford  Putnam Putnam Science Academy Fatth Cekic  [6014 PS Improving the Efficiency of Robotic Arm Movement through Advanced Geometric Calculations				
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Award m Student(s) Serik Tukupov Grade 10 Town Putnam				
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# Final Judging Results

### Award Legend

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

### **Applied Technology**

[SchTown] [School] [Teacher]

[Proj#] [FCat] [Project Title]

		ool Dr. Katherine Nuzzo				
3008 LS	Efficacy of Sol	ar Disinfection Using Artificia	Sunlight Versus a Composite o	f Infrared	d, Ultraviolet, and Visible Light	
Award m	Student(s)	Caroline Caglioni	Grade 12	Town	Redding	
	•	Dr. Nicholas Morgan				
6064 PS	Evaluation of \	enting-to-Coolant in Sodium	-Cooled Fast Neutron Reactors			
Award m	Student(s)	Tessa D. Green	Grade 12	Town	Westport	