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

Future Sustainability

Award Legend

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

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

High School

Manchester East Catholic High School Ms. Holly Noble

6050 | PS | Development of a Composite Clay Polymer Sponge for Remediation of Oil Contaminated Water.

Award 1 **Student(s) Theresa A. Oei** **Grade** 12 **Town** Hebron

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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. Oei** **Grade** 9 **Town** Hebron

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Fairfield Fairfield College Preparatory School Mrs. O'Reilly

6093 | PS | Autonomous Kite Wind Generator to Capture Troposphere Winds

Award 3 **Student(s) Kyle T. Ryan** **Grade** 10 **Town** Trumbull

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Brewster Brewster High School Mr. Schmidt

6075 | PS | Biomimetic Insulation: Inspired by the eastern tent caterpillar and white-tailed deer

Award m **Student(s) Madeleine L. Skaller** **Grade** 12 **Town** Brewster

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Greenwich Greenwich High School Andrew Bramante

6020 | PS | Solid State Thermoelectric Power Generation Using Strategic Household Placement

Award m **Student(s) Carl O. Akerman** **Grade** 11 **Town** Greenwich

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Greenwich Greenwich High School Andrew Bramante

6069 | PS | Optimization of a Microbial Fuel Cell Structure to Drive a Bioelectrochemically-Assisted Wastewater Treatment Reactor

Award m **Student(s) Ryota Ishizuka** **Grade** 11 **Town** Cos Cob

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Greenwich Greenwich High School Mr. Andrew Bramante

6066 | PS | Synthesis of Hot Electron Carrier Lead Selenide Nanocrystals and Thin Film Layers using a a Novel Vitamic C Reduction

Award m **Student(s) Victoria R. Leto** **Grade** 11 **Town** Greenwich

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Greenwich Greenwich High School Andrew Bramante

6071 | PS | Improved Spectral Response of Dye Sensitized Solar Cells through Red-Shift Fluorescence Resonance Energy Transfer (FRET)

Award m **Student(s) Thomas C. Newberry** **Grade** 11 **Town** Riverside

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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

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Norwich Norwich Free Academy Mr. Robert V Johnson

6029 | PS | Impact of Turbine Design on Renewable Energy Storage System Efficiency

Award m **Student(s) Ian D. Dakers** **Grade** 11 **Town** Bozrah