



# Connecticut Science Fair

## Quinnipiac University

March 11 - 15, 2008

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

### Final Judging Results

## Discovery Young Scientist Challenge

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

#### Award Legend

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

### Middle School

**Avon** Talcott Mountain Academy Mr. Meredith

5013 P7 Natural Spirals and Mathematical Series

**Award** w **Student(s)** Emily E. Baczyk **Grade** 7 **Town** Avon

**Avon** Talcott Mountain Academy Mark Meredith

5540 P8 Determining Thermal Conductivity

**Award** w **Student(s)** Alexander Rainville **Grade** 8 **Town** Granby

**Bozrah** Fields Memorial School Evelyn Brown

2533 L8 Hay Quality

**Award** w **Student(s)** Jennifer J. Chick **Grade** 8 **Town** Bozrah

**Brookfield** St. Joseph School Mrs. Childs

2023 L7 The Effects of Temperature on the Curling of a Rhododendron Leaf

**Award** w **Student(s)** Ryan D. Kerr **Grade** 7 **Town** Danbury

**Brookfield** St. Joseph School Mrs. Belden

2013 L7 Testing Portable Techniques for the Sterilization of Water

**Award** w **Student(s)** Austin R. Shepard **Grade** 7 **Town** Brookfield

**Danbury** Rogers Park Middle School Mrs. Zaleta

1008 LT The Ultraviolet Ultimatum: Do or Die. The Effects of Ultraviolet Radiation on Brassica rapa and Trionfo violetto

**Award** w **Student(s)** Michele E. Mikhitarian  
Evan T. Lunt **Grade** 8  
8 **Town** Danbury  
Danbury

**Danbury** St. Joseph School Ms. Catherine Vill

5556 P8 Convert Waste to Energy

**Award** w **Student(s)** Narmien Haddad **Grade** 8 **Town** Danbury

**Fairfield** Hillel Academy Mrs. Karen Howell

2020 L7 Analysis of Spice Curcumin -- Antioxidant, Antibacterial Agent and Effect on Cell Absorption

**Award** w **Student(s)** Micol L. Bedarida **Grade** 7 **Town** New Haven

**Fairfield** Hillel Academy Mrs. Karen Howell

2538 L8 Analysis of Wetland Dieback of Marsh Spartina Alterniflora on Long Island Sound

**Award** w **Student(s)** Sarah D. Kennedy **Grade** 8 **Town** Fairfield

**Fairfield** Hillel Academy Mrs. Karen Howell

4004 PT Quantitative Analysis of Cellulosic Biofuels and Their Effect on Environment

**Award** w **Student(s)** Daniel Salem  
Benjamin M. Ellenberg **Grade** 8  
8 **Town** New Haven  
Easton

**Fairfield** Hillel Academy Mrs. Karen Howell

1012 LT Analysis of Energy Beverages & Caffeine's Effect on Cell Hydration & Nutrient Bioavailability

**Award** w **Student(s)** Jason L. Wiener  
Yaakov Breiner **Grade** 7  
7 **Town** New Haven  
Bridgeport



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**Greenwich** Stanwich School Mr. Fletcher

4015 PT Physics Simulations in Computer Science

**Award** w **Student(s)** Arthur D. Berman  
Alexander T. Ertel **Grade** 8 **Town** Riverside  
Old Greenwich

**Newington** St. Mary School Mrs. Deborah Giantonio

5534 P8 How do the Various Properties of a Truss Affect its Ability to Carry Loads?

**Award** w **Student(s)** Michael A. Mahoney **Grade** 8 **Town** Newington

**Newtown** St. Rose Of Lima School Mrs. Dimon

2539 L8 Blooming Biofuel

**Award** w **Student(s)** Matt M. Ryan **Grade** 8 **Town** Newtown

**Pawcatuck** St. Michael School Bernie Petkis

2037 L7 Is It Possible for Soil Contaminated With Oil to Return to Its Original State?

**Award** w **Student(s)** Jacqueline Wyper **Grade** 7 **Town** Stonington

**Plantsville** J.F. Kennedy Middle School Mrs. Boulanger

2517 L8 Phonics Phone Phenomenon 2: Articulation Action

**Award** w **Student(s)** Emily A. Durocher **Grade** 8 **Town** Plantsville

**Southington** DePaolo Middle School Trish Kenefick

5012 P7 Wild Wind Tunnel

**Award** w **Student(s)** Bryson Teel **Grade** 7 **Town** Southington

**Trumbull** St. Catherine of Siena School Mrs. Shickler

5535 P8 Gyromills; Jetstream Power Plants

**Award** w **Student(s)** Adam C. Kee **Grade** 8 **Town** Trumbull

**West Hartford** St. Timothy Middle School Ms. McNamee

4009 PT Track the Traction

**Award** w **Student(s)** Sarah C. Gillespie  
Anne Higgins **Grade** 7 **Town** Manchester  
West Hartford

**Westbrook** Westbrook Middle School Cathi A. Lepore

5002 P7 Wind Turbines - What is the Best Blade Angle?

**Award** w **Student(s)** Kathryn H. Cyr **Grade** 7 **Town** Westbrook

**Westport** Bedford Middle School Susan Cyrulik/Kim Dolan

2548 L8 The Effect of Different Water Types on Plant Growth

**Award** w **Student(s)** Catherine A. Clair **Grade** 8 **Town** Westport

**Willington** Hall Memorial School Mrs. Laura Rodriguez

5505 P8 Putting Wind to Work: The Efficiency of Windmill Blades

**Award** w **Student(s)** Erica N. Tremko **Grade** 8 **Town** Willington



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**Wilton** Middlebrook School Susan Lash

1009 LT What Triggers Short-Term Memory?

**Award** w

**Student(s)** Paige J. Wallace  
Ashley L. Bascom

**Grade** 7  
7

**Town** Wilton  
Wilton

**Windsor** Creative Home school Mrs. Aisha Khan

2010 L7 Sugar Powered Future: Constructing an Alkaline Fuel Cell and Operating it with Different Biofuels to Increase Voltage Output

**Award** w

**Student(s)** Zainab Khan

**Grade** 7

**Town** Windsor

**Woodstock** Woodstock Middle School Christine Carter

5023 P7 The Effect of pH on Voltage Produced in Batteries (Homemade Batteries)

**Award** w

**Student(s)** Casandra M. Guilani

**Grade** 7

**Town** Woodstock

**Woodstock** Woodstock Middle School Christine Carter

5041 P7 How Strong Are Nylon Fishing Lines and Why Are They This Strong?

**Award** w

**Student(s)** Harrison J. Schroder

**Grade** 7

**Town** Woodstock