



# Connecticut Science Fair

## Quinnipiac University

March 13 - 17, 2012

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

### Final Judging Results

## Environmental Sciences

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

#### Award Legend

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

### Middle School

**Avon** Talcott Mountain Academy Tom Noonan

5209 L8 Do Ambient Temperatures Affect Bat Mortality?

**Award** 1 **Student(s)** Gwynne Domashinski **Grade** 8 **Town** West Suffield

- Audubon Connecticut & Arch Chemicals Environmental Awards --- 1st Place MS - \$300, Trophy, Audubon gifts
- Yale Peabody Museum --- One year family membership

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

5025 P7 The Investigation of the Presence of Caffeine in Groundwater and Sewage

**Award** 2 **Student(s)** Grace Herrick **Grade** 7 **Town** Sandy Hook

- Dominion's Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- Audubon Connecticut & Arch Chemicals Environmental Awards --- 2nd Place MS- \$200, Trophy, Audubon gifts
- Association for Women Geoscientists --- Certificate & \$50 gift card to Amazon given by CSF
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF

**Windsor** Madina Academy Aisha Seyal

5257 L8 Manufacturing and Biodegrading Bioplastics: Observing the speed of biodegradation of potato, rice, tapioca and corn starch based plastics.

**Award** 3 **Student(s)** Muhammad Ali **Grade** 8 **Town** Windsor

- Pfizer Life Sciences Awards --- 4th Place- Life Sciences 8th grade- trophy and Invite to Compete Broadcom MASTERS
- Audubon Connecticut & Arch Chemicals Environmental Awards --- 3rd Place MS- \$100, Trophy, Audubon gifts
- eesmarks/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- 3rd Place Middle School - \$200 Cash and Trophy
- Alexion Biotechnology Awards --- 3rd Place- Biotechnology 8th grade- \$100 & trophy and Invitation Compete in Broadcom MASTERS
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF
- Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science
- Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner

**Bethel** Bethel Middle School Mr. Labounty

2516 L8 The Effect of Different Organic Materials on the Number of Ants Repelled

**Award** m **Student(s)** Nicolas Cazzaniga **Grade** 8 **Town** Bethel

- Pfizer Life Sciences Awards --- 5th Place- Life Sciences 8th grade- trophy and Invite to Compete Broadcom MASTERS
- Audubon Connecticut & Arch Chemicals Environmental Awards --- MS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- Alexion Biotechnology Awards --- 4th Place- Biotechnology 8th grade- trophy and Invitation Compete in Broadcom MASTERS



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**Bozrah** Fields Memorial School Mrs. E Brown

2503 L8 Teredo Navalys - A Population Density Study

Award m

Student(s) Nicholas Tatro

Grade 8 Town Bozrah

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
- Audubon Connecticut & Arch Chemicals Environmental Awards --- MS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- Project Oceanology --- Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt
- Banning Family Life Science Award --- For excellence in invasive species research, \$100 cash

**Bridgeport** Thurgood Marshall Middle School Carmen Andrews

2501 L8 Rock the Brownfields Green: Food for Fungi

Award m

Student(s) Ann Hewitt

Grade 8 Town Fairfield

- Audubon Connecticut & Arch Chemicals Environmental Awards --- MS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- eesmarks/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

**Orange** Southern Connecticut Hebrew Academy Karen J Howell

2507 L8 Analysis of Local Watershed and River Contaminated Sediments, and Effect on River and Long Island Sound Waters

Award m

Student(s) Hadassah Sessel

Grade 8 Town Orange

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 8th grade- \$200 & trophy and Invite to Compete Broadcom MASTERS
- Audubon Connecticut & Arch Chemicals Environmental Awards --- MS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Junior & T-Shirt
- Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash
- The Maritime Aquarium Environmental Stewardship Award --- 1 year Family Membership, Family iMax, Family Cruise.

**Windsor** Madina Academy Aisha Seyal

2515 L8 Polypropylene Oil Magnets: A comparison of this novel approach using ferrofluids to established methods of oil spill removal including OEMs, woodchips, hay, and compost.

Award m

Student(s) Ayesha Khan

Grade 8 Town Windsor

- Audubon Connecticut & Arch Chemicals Environmental Awards --- MS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- eesmarks/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- U.S. Air Force --- Certificarte, sport bag, speaker, organizer



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### High School

**Danbury** Danbury High School Mr. LaRosa

3084 LS The Biological Control of Zebra Mussels Using the Marine Natural Product Aaptamine.

Award 1 Student(s) Janine Kerr Grade 9 Town Danbury

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- Audubon Connecticut & Arch Chemicals Environmental Awards --- 1st Place HS- \$500, Trophy, Audubon gifts
- Alexion Biotechnology Awards --- 3rd Place- Biotechnology Senior High- \$300 & trophy
- The Goodwin-Niering Center for the Environment --- \$100 for "Excellence in Environmental Conservation Studies"
- Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Senior & T-Shirt
- Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Biodiversity

**East Hartford** Connecticut IB Academy Ms. MeghanTwohig

3052 LS The Effectiveness of P.virgatum inoculated with Mycorrhizal fungi at remediating forlmaldehyde (Voc) in a controlled environment

Award 2 Student(s) Marrium Qureshi Grade 11 Town Windsor

- Audubon Connecticut & Arch Chemicals Environmental Awards --- 2nd Place HS- \$200, Trophy, Audubon gifts

**Greenwich** Greenwich High School Andrew Bramante

3042 LS Mycoremediation of PCB Soil Contaminants with Pleurotus Ostreatus

Award 3 Student(s) Mallory Madfes Grade 11 Town Greenwich

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences Senior High- \$200 & trophy
- Audubon Connecticut & Arch Chemicals Environmental Awards --- 3rd Place HS- \$100, Trophy, Audubon gifts
- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- 3rd Place High School - \$300 Cash and Trophy
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSF
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Environmental

**Bethel** Bethel High School Turek

3079 LS Pigeon Talk: A Bio-acoustical Analysis of Variation in Male Fantail Pigeon Display Calls

Award m Student(s) Aiden Ford Grade 11 Town Bethel

- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Arylic award



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**Bridgeport** Bridgeport Aquaculture School Mr. Shadle

6031 PS The Investigation of the Role of Methylating Bacteria in the Reintroduction Of Mercury into Long Island Sound

Award m Student(s) Allison Haley Grade 12 Town Shelton

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Urban School Challenge Awards --- 3rd Place High School - \$ 200 and Trophy, Medallion
- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- Project Oceanology --- Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt
- The Maritime Aquarium Environmental Stewardship Award --- 1 year Family Membership, Family iMax, Family Cruise
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Ecology

**Greenwich** Greenwich High School Andrew Bramante

6021 PS Remediation of Heavy Metals from River Water via a Novel Lemna minor Activated On-line Filtration System

Award m Student(s) Nicholas Dorian Grade 12 Town Riverside

- Barnes Aerospace Applied Technology Awards --- 3rd Place High School - \$ 200 and Trophy, Medallion
- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- Stockholm Junior Water Prize --- Certificate, Letter, \$50 gift card to Amazon given by CSF, possible advance to further competition

**Greenwich** Greenwich High School Andrew Bramante

6063 PS Simplified Detection of Aromatic Nitroamine Pesticides using Bee Venom Luminescence

Award m Student(s) Brittney Lew Grade 11 Town Riverside

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- Society of Women Engineers - Hartford Section --- Scientific Calculator

**Greenwich** Greenwich High School Andrew Bramante

3070 LS Non-Invasive Dissipation of 2,4-D Pesticide in Standing Water Using Iris Versicolor

Award m Student(s) Anne Merrill Grade 10 Town Old Greenwich

- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- eesmar/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- Stockholm Junior Water Prize --- Certificate, Letter, \$50 gift card to Amazon given by CSF, possible advance to further competition

**Greenwich** Greenwich High School Andrew Bramante

3074 LS Novel Removal of Escherichia Coli 0157:H7 from Fresh Water Sources using Amino Acid Attractants

Award m Student(s) Shira Rieke Grade 10 Town Old Greenwich

- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Acrylic award



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**Hebron** RHAM High School Mrs. Kristin Spinelli

6081 PS The Use of Berries from Connecticut Invasive Plants in Dye- Sensitized Solar Cells

**Award** m **Student(s)** Tim Breckel **Grade** 9 **Town** Hebron

- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Arylic award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir

**Woodbridge** Amity Regional High School Deborah Day

3059 LS The effect of different Northern Catalpa Bark chemicals on Pogonomrymex

**Award** m **Student(s)** Brian Liang **Grade** 11 **Town** Bethany

- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Arylic award