



# Connecticut Science Fair

## Quinnipiac University

### March 13 - 17, 2012

### Regular Fair Winners

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

**Sorted by:**

- Fair Category
- Finalist standing in regular fair (1st, 2nd, etc)
- Project number

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

**Avon** Talcott Mountain Academy Tom Noonan

2509 Do Ambient Temperatures Affect Bat Mortality?

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

- Audubon Connecticut & Arch Chemicals Environmental Awards --- 1st Place MS - \$300, Trophy, Audubon gifts

**Avon** Talcott Mountain Academy John Pellino

2004 Environmental Acidity and Bioluminescent Algae

**Student(s)** Abigail Marmer-Adams **Grade 7** **Town** Colebrook

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award

**Avon** Talcott Mountain Academy John Pellino

2525 How Do Different Colors and Sizes Affect Memory

**Student(s)** Mark Shapiro **Grade 8** **Town** Glastonbury

- Xerox Computer Science Awards --- 3rd Place Middle School- \$100, Trophy, Medallion

**Bethel** Bethel High School Turek

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

**Student(s)** Aiden Ford **Grade 11** **Town** Bethel

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

**Bethel** Bethel Middle School Mr. Labounty

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

**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

**Bethel** Bethel Middle School Mr. Reynolds

4029 How Does Combining Metals Lead to Rust Development

**Student(s)** Jessica MacIntyre **Grade 7** **Town** Bethel

Kallan Hook **Grade 7** **Town** Bethel

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award

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

5532 Greener Cleaner? Testing the Level of Phosphates in Everyday Cleaners

**Student(s)** Megan Lavallee **Grade 8** **Town** Bozrah

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship to Quinnipiac University for Middle School Student

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

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

5021 What variables affect the grasp efficiency of a robotic arm?

**Student(s)** **Emily O'Connor** **Grade 7** **Town** Bozrah

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
- Xerox Computer Science Awards --- 2nd Place Middle School - \$200, Trophy and Medallion

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

2534 Password Security

**Student(s)** **Connor Provost** **Grade 8** **Town** Bozrah

- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- 1st Place Middle School- \$150 from ATOMIC, and Trophy, \$300 from People's United Bank
- Xerox Computer Science Awards --- 1st Place Middle School - \$300, Trophy and Medallion

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

2503 Teredo Navalis - A Population Density Study

**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

**Bridgeport** Bassick High School A.Walsh

6506 Visible Light Scattering Analysis To Detect Lead

**Student(s)** **Karen Seymour** **Grade 11** **Town** Bridgeport  
**Lydia Guadalupe** **Grade 11** **Town** Bridgeport

- Urban School Challenge Awards --- 2nd Place High School - \$300 and Trophy, Medallion

**Bridgeport** Bridgeport Aquaculture School Mr. Shadle

6037 Geometrical Symmetry Analysis of the Skeletonema costatum Amorphous Cell Structure

**Student(s)** **Genesis Garcia** **Grade 12** **Town** Bridgeport

- Urban School Challenge Awards --- 1st Place High School - \$500 and Trophy, Medallion and trip to compete at Intel Int. Sci. & Eng. Fair

**Bridgeport** Bridgeport Aquaculture School Mr. Shadle

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

**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

**Bridgeport** Central High School Ms. Sullivan

6525 Javonic Bonding

**Student(s)** **Monsurat Olaosebikan** **Grade 11** **Town** Bridgeport  
**Carolyn Roach** **Grade 11** **Town** Bridgeport  
**Jaymi Gooden** **Grade 11** **Town** Bridgeport

- Urban School Challenge Awards --- Senior High Finalist - Medallion and acrylic award
- Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award

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

**Bridgeport** Cesar A. Batalla School Mr. Bell

5017 Energy Saver

**Student(s)** **Johnny Lopez** **Grade 7** **Town** Bridgeport

- Urban School Challenge Awards --- Middle School Finalist - Medallion and acrylic award

**Bridgeport** John Winthrop School Susan Beres

4033 Tension Tamers

**Student(s)** **Kara Cloud** **Grade 7** **Town** Bridgeport

**Edgar Martinez** **Grade 7** **Town** Bridgeport

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award

**Bridgeport** John Winthrop School Mr. Walsh

2530 GMO or no GMO

**Student(s)** **Timothy Graham** **Grade 8** **Town** Bridgeport

- Urban School Challenge Awards --- Middle School Finalist - Medallion and acrylic award

**Bridgeport** Park City Magnet School Mrs. Simone

5522 Color Flash At Work

**Student(s)** **Anna Chanyarakskul** **Grade 8** **Town** Bridgeport

- Urban School Challenge Awards --- Middle School Finalist - Medallion and acrylic award

**Bridgeport** Park City Prep Charter School Mrs. Vicky Boudreau

1001 Is Your Daphnia Hopped Up On Caffeine?

**Student(s)** **Genesis Moran** **Grade 7** **Town** Bridgeport

**Jania Oliver-White** **Grade 7** **Town** Bridgeport

- Urban School Challenge Awards --- Middle School Finalist - Medallion and acrylic award

**Bridgeport** Thurgood Marshall Middle School Carmen Andrews

2501 Rock the Brownfields Green: Food for Fungi

**Student(s)** **Ann Hewitt** **Grade 8** **Town** Fairfield

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

**Bridgeport** Thurgood Marshall Middle School Carmen Andrews

2007 Peel Power

**Student(s)** **Jonathan Siveyer** **Grade 7** **Town** Monroe

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
- Urban School Challenge Awards --- 1st Place Middle School - \$300 and Trophy, Medallion and Project Oceanology's Ocean Camp
- Alexion Biotechnology Awards --- 2nd Place- Biotechnology 7th grade- \$200 & trophy

**Danbury** Danbury High School Mr. LaRosa

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

**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

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

**Danbury** Danbury High School Mr. Tracey  
3007 Antibiotic inactivation at home: A Proposal for Disposal Can antibiotics be inactivated so that they may be disposed of down the drain?

**Student(s)** **Fiona Lunt** **Grade** 10 **Town** Danbury

- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir

**Danbury** Immaculate High School Mrs. Murphy  
3510 Microbial Fuel Cell Efficiency and Design

**Student(s)** **Merna Haddad** **Grade** 11 **Town** Danbury

**Adriana DeNardis** **Grade** 11 **Town** Danbury

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion

**Danbury** St. Joseph School Mrs. J. Page  
1027 Hidden Horrors: Do Germs Lurk in Our School?

**Student(s)** **Michael Casino** **Grade** 7 **Town** Brewster

**Rachel Hewitt** **Grade** 7 **Town** Danbury

- Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award Souvenir

**Danbury** St. Joseph School Jennifer Page  
1002 Is it REALLY Blood?

**Student(s)** **Alex Christoforides** **Grade** 7 **Town** Danbury

**John Mollenthel** **Grade** 7 **Town** Danbury

- Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award

**Danbury** St. Joseph School Mrs. Page  
2030 How Does Caffeine Effect the Heart

**Student(s)** **Wes Gannon** **Grade** 7 **Town** Danbury

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS

**Danbury** St. Joseph School Mrs. Page  
5005 Designing an Effective Dye-Sensitized Solar Cells

**Student(s)** **Martha Haddad** **Grade** 7 **Town** Danbury

- Dominion's Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy

**Danbury** St. Joseph School Mrs. Page  
5032 Ocean Wave and Tide Energy Project

**Student(s)** **James Parris** **Grade** 7 **Town** Brookfield

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- eesmarts/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

**Danbury** St. Peter-Sacred Heart Upper School Mr. Greg Capone  
5505 Programming NANORGS in a Virtual World

**Student(s)** **Gabriel Correa** **Grade** 8 **Town** Danbury

- Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award

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

**Darien** Darien High School David Lewis

3057 Use of Formant Values in Classifying Vocalizations of Beluga Whales (*Delphinapterus leucas*)

**Student(s)** Brooke Davis **Grade** 12 **Town** Darien

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award

**East Granby** East Granby Middle School Ms. Scull

2539 Pharmaceutical and Herbal Antibiotic Effectiveness on Bacteria from Multiple Collection Sources

**Student(s)** Matthew Borsari **Grade** 8 **Town** East Granby

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award

**East Granby** East Granby Middle School Mr Paskiewicz

5520 Comparison of Baseball Bat Composition: Safety

**Student(s)** Gavin McConnell **Grade** 8 **Town** East Granby

- Dominion's Millstone Power Station Physical Sciences Awards --- 4th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report

**East Granby** East Granby Middle School Robert Paskiewicz

2522 The Dirt on Worms

**Student(s)** Olivia Morris **Grade** 8 **Town** East Granby

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award

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

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

**Student(s)** Marrium Qureshi **Grade** 11 **Town** Windsor

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

**Fairfield** Fairfield College Preparatory School Dr. Lewis

6008 Novel Fiber Optic Dye Sensitized Solar Cell Aided by the Biosynthesis of Diatom Frustules

**Student(s)** Kyle Ryan **Grade** 11 **Town** Trumbull

- Dominion's Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences Senior High Individual - \$200 & trophy
- Barnes Aerospace Applied Technology Awards --- 1st Place High School - \$500 and Trophy, Medallion
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 Cash and Trophy
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- Alexion Biotechnology Awards --- 2nd Place- Biotechnology Senior High- \$400 & trophy,

**Fairfield** Fairfield Warde High School Andrew Bramante

6045 A Hidden Treasure; Dehumidification of Air Improves Indoor Air Quality

**Student(s)** Sofia Bramante **Grade** 10 **Town** Fairfield

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award

**Fairfield** Our Lady of the Assumption School Mrs. Kathy Almeida

5524 Do Brightly Colored Roofs Reduce Thermal Radiation?

**Student(s)** Patrick Agonito **Grade** 8 **Town** Fairfield

- eesmarts/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

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

**Fairfield** Our Lady of the Assumption School Kathy Almeida

5551 Which Plane Design Creates the Greatest Lift?

**Student(s)** **Matthew Boykin** **Grade 8** **Town** Bridgeport

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award

**Fairfield** Our Lady of the Assumption School Kathy Almeida

2540 The Effects of De-Icing Salts and Chemical Compounds on Adiantum pedatum

**Student(s)** **Amanda Gerstenfeld** **Grade 8** **Town** Fairfield

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
- eesmarts/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award Souvenir

**Glastonbury** Glastonbury High School Ms. Pintavalle

3081 Assessment of the Accuracy of the Euroscore and STS risk predicting algorithms for patients undergoing Aortic Valve Replacement

**Student(s)** **Omar Allam** **Grade 12** **Town** glastonbury

- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- 3rd Place High School - Trophy, \$200 from People's United Bank

**Glastonbury** Glastonbury High School Diane Pintavalle

6043 The Coordination of Glucose with Transition-Metal-Ion Complexes of tris(2-aminoethyl)amine

**Student(s)** **Kashish Hora** **Grade 11** **Town** Glastonbury

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award

**Glastonbury** Smith Middle School Mr. Falcigno

5528 On the Application of Electrochemical Double Layer Capacitors

**Student(s)** **Paul Han** **Grade 8** **Town** Glastonbury

- Dominion's Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences 8th Grade Ind.- \$300 & trophy, invite to compete Broadcom MASTERS
- Barnes Aerospace Applied Technology Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
- Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Science 8th Grade - \$500 and invite to CSTA Award Banquet

**Glastonbury** Smith Middle School Mr. Falcigno

4027 Solar Panel in Greenhouse

**Student(s)** **Ninad Vora** **Grade 7** **Town** Glastonbury

**Soham Kale** **Grade 7** **Town** Glastonbury

- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report

**Greens Farms** Greens Farms Academy Sara Campolettano

5554 Ski Physics

**Student(s)** **Grant Moberg** **Grade 8** **Town** Westport

- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- 2nd Place Middle School- \$100 from ATOMIC, and Trophy, \$200 from People's United Bank

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

**Greens Farms** Greens Farms Academy Tracy Haswell

3026 Algae Biodiesel

**Student(s)** Emily Petno **Grade** 12 **Town** New Canaan

- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- eesmarks/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Greens Farms** Greens Farms Academy Dr. Mathieu Freeman

6052 Paper Batteries: A Viable Lithium Ion Battery Technology

**Student(s)** William Picoli **Grade** 12 **Town** Wilton

- Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award

**Greenwich** Brunswick School Mrs. Dana Montanez

6501 A Comparative Analysis of Bio-Diesel Emissions Versus Emissions of Petroleum Diesel

**Student(s)** Matthew Mayfield **Grade** 11 **Town** Greenwich

Vikram Bodas **Grade** 10 **Town** Greenwich

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report

**Greenwich** Brunswick School Dana Montanez

6004 The Efficiency of Air Multiplication Technology versus the Efficiency of Bladed Fan Technology

**Student(s)** Spencer McDonough **Grade** 10 **Town** Greenwich

- Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award

**Greenwich** Convent of the Sacred Heart School Mary Musolino

3092 Creating a Cre/Lox Barcoding System: a Potential Breakthrough in Tracking the Heterogeneity of Glioblastoma Multiforme

**Student(s)** Catherine Colford **Grade** 12 **Town** Scarsdale

- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir

**Greenwich** Eastern Middle School Brian Carstens

2512 An Investigation Into Hydrogen-Producing Green Algae

**Student(s)** Paul Hansel **Grade** 8 **Town** Old Greenwich

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 8th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- Barnes Aerospace Applied Technology Awards --- 3rd Place Middle School - \$100 and Trophy, Medallion
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- eesmarks/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- 1st Place Middle School - \$500 Cash and Trophy
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade- \$300 & trophy and Invitation Compete in Broadcom MASTERS

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

**Greenwich** Greenwich High School Andrew Bramante

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

**Student(s)** Nicholas Dorian **Grade** 12 **Town** Riverside

- Barnes Aerospace Applied Technology Awards --- 3rd Place High School - \$ 200 and Trophy, Madllion
- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Arylic award

**Greenwich** Greenwich High School Andrew Bramante

6079 Recovery of Light Hydrocarbon Fuels from PETE Recycling with Concurrent Reduction in the Recyclable Footprint

**Student(s)** Clara Eizayaga **Grade** 11 **Town** Riverside

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion

**Greenwich** Greenwich High School Andrew Bramante

6049 An Organic Thin Film Transistor and Elastic Organic Solar Cell Based Electronic Skin for Biochemical and Tactile Sensing

**Student(s)** Ryota Ishizuka **Grade** 12 **Town** Cos Cob

- Dominion's Millstone Power Station Physical Sciences Awards --- 1st Place - Physical Sciences Senior High Individual - \$500 & trophy, trip to compete at Intel ISEF
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Physical Sciences Senior - \$1,000 cash, Solid Silver Medal of Excellence, invite to CASE Annual Mtg

**Greenwich** Greenwich High School Andrew Bramante

3095 The Effect of Disinfectant Byproducts in Relation to Allergic Asthma

**Student(s)** Morgan Karetnick **Grade** 12 **Town** Greenwich

- Pfizer Life Sciences Awards --- 4th Place- Life Sciences Senior High- trophy

**Greenwich** Greenwich High School Andrew Bramante

3099 The regeneration of human tooth enamel in physiological conditions

**Student(s)** Stephen Le Breton **Grade** 11 **Town** Greenwich

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir

**Greenwich** Greenwich High School Andrew Bramante

6063 Simplified Detection of Aromatic Nitroamine Pesticides using Bee Venom Luminescence

**Student(s)** Brittny 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, Arylic award

**Greenwich** Greenwich High School Andrew Bramante

3042 Mycoremediation of PCB Soil Contaminants with Pleurotus Ostreatus

**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
- eesmarts/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



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

**Greenwich** Greenwich High School Andrew Bramante

3045 The Compatibility Between Pure 2-D Sericin Membranes and Cell Growth

**Student(s)** **Jed McKinney** **Grade 11** **Town** Old Greenwich

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award

**Greenwich** Greenwich High School Andrew Bramante

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

**Student(s)** **Anne Merrill** **Grade 10** **Town** Old Greenwich

- Audubon Connecticut & Arch Chemicals Environmental Awards --- HS Finalist - Audubon gifts, CSF Medallion, Acrylic award
- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Greenwich** Greenwich High School Andrew Bramante

6032 Design of a Smart Brick with Improved Insulation and Intuitive Reflection of Sunlight

**Student(s)** **Lindsey Noskin** **Grade 11** **Town** Greenwich

- Dominion's Millstone Power Station Physical Sciences Awards --- 5th Place- Physical Sciences Senior High Individual - trophy
- Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Trophy
- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Greenwich** Greenwich High School Andrew Bramante

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

**Student(s)** **Shira Rieke** **Grade 10** **Town** Old Greenwich

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

**Greenwich** Greenwich High School Andrew Bramante

6075 Application of iDS-PBR to Prolongate Algal Photobiolysis in C. Reinhardtii

**Student(s)** **Thomas Yang** **Grade 11** **Town** Greenwich

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Greenwich** Greenwich High School Andrew Bramante

3034 Graphene Oxide as a Novel Biosensor in Targeted Delivery of Water-Insoluble Cancer Drugs

**Student(s)** **Annie Zhang** **Grade 11** **Town** Cos Cob

- Pfizer Life Sciences Awards --- 5th Place- Life Sciences Senior High- trophy
- Alexion Biotechnology Awards --- 4th Place- Biotechnology Senior High- \$200 & trophy

**Guilford** E. C. Adams Middle School Ms. Arnold

2018 Ants, Glucose, Diabetes....Huh?

**Student(s)** **Manik Jayawardena** **Grade 7** **Town** Guilford

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award

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

**Guilford** Guilford High School John Cuddy

3003 Aerodynamic drag of bicycle wheels and its effect on total drag of a rider and his bike

**Student(s)** Giuseppe Pantalone **Grade** 9 **Town** Guilford

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award

**Hamden** Hamden High School Sonia Beloin

3061 Role of MyD88 in DNA Damage Response

**Student(s)** Yiyuan Hu **Grade** 12 **Town** Hamden

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High- \$300 & trophy, Trip to compete at Intel ISEF

**Hamden** Sacred Heart Academy Dr. Elizabeth Christophy

3075 A Study of "Ebb and Flo" Aquaponics as the Most Effective Growing System for Romaine Lettuce as Compared to a Hydroponic and an Organic, Soil-Based, Growing System

**Student(s)** Olivia Kelly **Grade** 10 **Town** Shelton

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir

**Hartford** Academy of Aerospace and Engineering Dr. Aramli

3004 Bio-engineering: Microbial Properties of Shark Skin and Other Natural Surfaces

**Student(s)** Russell Weeks **Grade** 11 **Town** Portland

- Urban School Challenge Awards --- Senior High Finalist - Medallion and acrylic award

**Hartford** Classical Magnet School Ms. Paula Koenig

5044 Aerodynamics

**Student(s)** Holly Weldon **Grade** 7 **Town** South Windam

- Urban School Challenge Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion

**Hartford** Greater Hartford Academy of Math & Science Dr. Aramli

3508 The Effect of Drugs and Herbal Remedies on Propionibacterium Acnes

**Student(s)** Kush Desai **Grade** 12 **Town** Rocky Hill

Rushi Shah **Grade** 11 **Town** Rocky Hill

Jasmine Wilson **Grade** 11 **Town** Rocky Hill

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High Team- \$300 (split) & trophy
- Urban School Challenge Awards --- Senior High Finalist - Medallion and acrylic award

**Hartford** Greater Hartford Academy of Math & Science Dr. Aramli

3098 The Effects Of Commercial Non-Agricultural Target Specific And Non-Specific Herbicides at Specific Temperatures On The Embryonic Development Of Zebrafish

**Student(s)** Rishmitha Satyaneni **Grade** 12 **Town** Farmington

- Urban School Challenge Awards --- Senior High Finalist - Medallion and acrylic award

# Connecticut Science Fair

## 2012 Regular Fair Winners

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

**Hebron** Oei Home School Mrs. Ellen Oei

5525 Development of a Prototype Pendulum Wave Energy Conversion Device

**Student(s)** **Maura Oei** **Grade 8** **Town** Hebron

- Dominion's Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences 8th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- Middle School Finalist - Medallion & Arcylic Award
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy
- eesmarts/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- 2nd Place Middle School - \$300 Cash and Trophy
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report

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

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

**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

**Kensington** St. Paul School Bethany Perzanowski

2013 THE ECO-FRIENDLY DIAPER: LANDFILL DESIGN. "The Type of Cloth Versus the Rate of Decomposition"

**Student(s)** **Elizabeth Lopreiato** **Grade 7** **Town** New Britain

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS

**Madison** Daniel Hand High School Madhuparna Roychoudhury

6517 Can you charge your phone wirelessly? Cordless electricity transmission by piezoelectric excitation via low frequency acoustic waves.

**Student(s)** **Shayan Roychoudhury** **Grade 9** **Town** Madison

**Wesley Kimmel** **Grade 10** **Town** Madison

- Dominion's Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Team- \$300(split) & trophy
- Barnes Aerospace Applied Technology Awards --- 2nd Place High School - \$300 and Trophy, Medallion
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion

**Madison** Our Lady of Mercy School Rosalie Zonder

2011 The Efficacy of Bleach as a Disinfectant

**Student(s)** **Nicole Bonadies** **Grade 7** **Town** Branford

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award

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

**Manchester** East Catholic High School Ms. Holly Noble

6002 Polyvinylidene Fluoride (PVDF) Piezoelectric Generator: A Novel Approach to Harvesting Vibrations from Human Respiration to Power Biological Implant Devices

**Student(s)** **Bridget Oei** **Grade 10** **Town** Hebron

- Dominion's Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Individual - \$300 & trophy, trip to compete at Intel ISEF
- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- High School Finalist - Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Trophy
- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- 2nd Place High School - \$500 Cash and Trophy and Trip to Compete I-SWEEEP, Houston
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- Alexion Biotechnology Awards --- 5th Place- Biotechnology Senior High- trophy

**Manchester** St. Bridget School Kim Maysonet

5502 The Stirling Engine and the Effect of Temperature Differential on Engine Performance

**Student(s)** **Nicole Robitaille** **Grade 8** **Town** Manchester

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award

**Middletown** Xavier High School Manoj Rahematpura

6515 Testing the Viability of Adaptive Winglet Technology to Improve Fuel Efficiency on Midsize Commercial Airliners using Computational Fluid Dynamics

**Student(s)** **Christopher Muckle** **Grade 12** **Town** Madison

**Miraj Rahematpura** **Grade 12** **Town** Middletown

**Mario Chris** **Grade 11** **Town** Storrs

- Dominion's Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences Senior High Team- \$500 (split) & trophy
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion

**New Britain** Sacred Heart School Mrs. Kornas

2010 Total Suspended Solids on Waste Water

**Student(s)** **Mateusz Gaciarz** **Grade 7** **Town** New Britain

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award

**New Hartford** Montessori Middle School at Millstream Farm Caren Ross

1016 Harvesting Wild Yeast For Local Sourdough

**Student(s)** **Una Shea** **Grade 8** **Town** Litchfield

**Brooke Hurst** **Grade 8** **Town** West Simsbury

**Samantha Brady** **Grade** **Town** Thomaston

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences MS Team- trophy and Invite to Compete Broadcom MASTERS

**New Haven** Betsy Ross Arts Magnet School Mrs. Cichus

2022 One Dog's Poop, Another Man's Treasure.

**Student(s)** **Brian Brigham** **Grade 7** **Town** Orange

- Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award Souvenir

# Connecticut Science Fair

## 2012 Regular Fair Winners

[SchTown]	[School]	[Teacher]	[Proj#]	[Project Title]			
New Haven	Betsy Ross Arts Magnet School	Mrs. MacDonald	2524	The Effects of Symphytum on Bone Cell Growth	Student(s)	Evan Robison	Grade 8 Town Wallingford
							● Urban School Challenge Awards --- Middle School Finalist - Medallion and acrylic award
New Haven	Cooperative Arts & Humanities High School	Shelia Martin-Corbin	6071	Battle Of The Solvents-thin Layer Chromatography	Student(s)	Mairead Brennan	Grade 9 Town New Haven
							● Urban School Challenge Awards --- Senior High Finalist - Medallion and acrylic award
New Haven	Hopkins School	Frank Slack	3080	Expression Patterns of MicroRNA-228 in C. Elegans	Student(s)	Mariel Shlomchik	Grade 11 Town Woodbridge
							● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
New Haven	Wilbur Cross High School	Mary DeRome	3512	Brachypodium distachyon: Building a Better Biofuel	Student(s)	Tarpley Hitt	Grade 11 Town New Haven
						Alessandra Hogan	Grade 11 Town New Haven
							● Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High Team- \$500 (split) & trophy
							● Urban School Challenge Awards --- Senior High Finalist - Medallion and acrylic award
New Haven	Worthington Hooker Middle School	Douglas Jones	2033	The Clean Water Project	Student(s)	Yogasai Gazula	Grade 7 Town New Haven
							● Urban School Challenge Awards --- 3rd Place Middle School - \$100 and Trophy, Medallion
New Haven	Worthington Hooker Middle School	Doug Jones	4024	Increasing Solar Energy	Student(s)	Joshua Levine-Ritterman	Grade 8 Town New Haven
						Foster Hall	Grade 8 Town New Haven
							● Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
							● Urban School Challenge Awards --- Middle School Finalist - Medallion and acrylic award
							● Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
Newtown	Newtown Middle School	Betty Jeanne Liberty	4035	The Effect of Soil Type on Earthquake Damage	Student(s)	Lydia Field	Grade 8 Town Newtown
						Caitlin Moss	Grade 8 Town Sandy Hook
							● Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
Newtown	St. Rose of Lima School	Mrs. Dimon	1010	Testing the Effect of pH Levels of Polluted Fresh Water on Elodea Canadensis Life Span	Student(s)	Lauren Cirone	Grade 7 Town Newtown
						Anna Brubaker	Grade 7 Town Southbury
							● Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award
							● Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy

# Connecticut Science Fair

## 2012 Regular Fair Winners

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

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

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

**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

**Norwalk** All Saints Catholic School Erin Snow

5541 A Bridge Too Strong

**Student(s)** Zachary Guerrero **Grade 8** **Town** Norwalk

- Dominion's Millstone Power Station Physical Sciences Awards --- 5th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS

**Norwalk** The Montessori Middle School Carolyn Stenerson

2006 Affects of Phosphorus on Growth of Azolla.

**Student(s)** Katherine Fennell **Grade 7** **Town** Wilton

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences 7th grade- \$200 & trophy and Invitation to Compete Broadcom MASTERS

**Norwalk** The Montessori Middle School Carolyn Ogden-Stenerson

5521 Experimental Evaluation of Techniques for Protecting Users from Malware Attacks

**Student(s)** Samyukt Kumar **Grade 8** **Town** Stamford

- Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award

**Norwalk** The Montessori Middle School Carolyn Stenerson

5527 The Wing and the Wind

**Student(s)** Nicolas Lob **Grade 8** **Town** Fairfield

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award

**Norwalk** The Montessori Middle School Carolyn Stenerson

2027 How What we Eat for Breakfast Affects Schoolwork, Mood, Wakefulness, and Energy Throughout the Morning.

**Student(s)** Jonas Lustbader **Grade 7** **Town** Weston

- Pfizer Life Sciences Awards --- 4th Place- Life Sciences 7th grade- trophy and Invite to Compete Broadcom MASTERS

**Norwich** Norwich Free Academy Mrs. Jones

6016 Utilizing a Robotic Turning Mechanism to Focus on the Sun in Order to Maximize the Efficiency of a Parabolic Trough Water Heating System

**Student(s)** Remington Carle **Grade 11** **Town** Norwich

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award
- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report

**Norwich** Norwich Free Academy Mr. Scanlon

6007 Role of Electro-Chemical Double Layer Capacitors in Energy Storage

**Student(s)** Ian Dakers **Grade 12** **Town** Bozrah

- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion

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

**Old Saybrook** Old Saybrook Middle School Mary Looney

4019 Vehicle Energy Conservations

**Student(s)** **Kiwon Dionne-Jee** **Grade 7** **Town** Old Saybrook  
**Alexander Ruth** **Grade 7** **Town** Old Saybrook

- Dominion's Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS

**Orange** Southern Connecticut Hebrew Academy Karen Howell

1014 Hydration Benefits with Fruits and Vegetables and Effect on Cell Absorption

**Student(s)** **Devora Hodakov** **Grade 7** **Town** New Haven  
**Batsheva Lipsker** **Grade 7** **Town** Stamford

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences MS Team- \$100 each & trophy and Invite Compete Broadcom MASTERS
- Alexion Biotechnology Awards --- 4th Place- Biotechnology 7th grade- trophy

**Orange** Southern Connecticut Hebrew Academy Mrs. Karen Howell

1022 Analysis of Omega Oils as Cancer Inhibitors and Antioxidants plus Effect on Cell Bioavailability

**Student(s)** **Rivka Kantor** **Grade 8** **Town** Westport  
**Bracha Hecht** **Grade 8** **Town** Orange

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences MS Team- \$100 each & trophy and Invite to Compete Broadcom MASTERS

**Orange** Southern Connecticut Hebrew Academy Mrs. Howell

4010 Analysis and Bioavailability of Chemical Dyes Versus Natural Dyes with their Antioxidant Benefits.

**Student(s)** **Chana Piekarski** **Grade 7** **Town** Hamden  
**Esther Caroline** **Grade 7** **Town** New Haven

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
- Alexion Biotechnology Awards --- 1st Place- Biotechnology 7th grade- \$300 & trophy

**Orange** Southern Connecticut Hebrew Academy Mrs. Karen Howell

2543 Phytoremediation: Removal of metal pollutants from contaminated soil and effect of chelators

**Student(s)** **Alex Russell** **Grade 8** **Town** New Haven

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences 8th grade- \$300 & trophy and Invite to Compete Broadcom MASTERS
- Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Science 8th Grade - \$500 and invite to CSTA Award Banquet
- Alexion Biotechnology Awards --- 2nd Place- Biotechnology 8th grade- \$200 & trophy and Invitation Compete in Broadcom MASTERS

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

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

**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

**Orange** Southern Connecticut Hebrew Academy Mrs. Karen Howell

5547 Absorption Rate of Lead Compounds on Simulated Skin and Cells and Effect of Chelators and Heat on Absorption.

**Student(s)** **Yehoshua Yaffe** **Grade 8** **Town** Guilford

- Dominion's Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences 8th Grade Ind, - \$100 & trophy, invite to compete Broadcom MASTERS

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

**Oxford** Oxford High School Mr. Kroeze

6009 Alternative Material and Three-Dimensional Structure to Solar Panel Technology

**Student(s)** **William Denslow** **Grade 11** **Town** Oxford

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award

**Pawcatuck** St. Michael School Mr. DeNoia

1019 The Mighty Houseplant

**Student(s)** **Kelly Giffault** **Grade 7** **Town** Stonington

**Paige Giffault** **Grade 7** **Town** Stonington

- Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award

**Pawcatuck** St. Michael School Michael Denoia

2541 Killing The Invisible Enemy On Our Hands: Do We Use Soap Or Hand Sanitizer?

**Student(s)** **Adeline Visscher** **Grade 8** **Town** Mystic

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award

**Plantsville** John F. Kennedy Middle School Pepin

4015 The Windy 500: The Test of Drag and Down Force on Rear Spoilers

**Student(s)** **Emily Maciejewski** **Grade 8** **Town** Plantsville

**Laura Koba** **Grade 8** **Town** Southington

- Dominion's Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
- Barnes Aerospace Applied Technology Awards --- 1st Place Middle School - \$300 and Trophy, Medallion
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque

**Plantsville** John F. Kennedy Middle School Joseph Cipollini

5041 Visible or Invisible

**Student(s)** **Delaney Picard** **Grade 7** **Town** Southington

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award

**Plantsville** John F. Kennedy Middle School Mrs. Pepin

1017 The Effects of Global Warming on Marine Life

**Student(s)** **Kimberly Stafko** **Grade 7** **Town** Southington

**Alexa Maddalena** **Grade 7** **Town** Southington

- Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award
- Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award Souvenir

**Putnam** Putnam Science Academy Hakan Duman

6513 Using Environmental Friendly and Cost Effective Ferrofluid Magnetite as an Adsorbing Agent to Efficiently Remove Petroleum Spills from Water Sources and its Commercial Application with a Robot Arm

**Student(s)** **Zekeriya Abacioglu** **Grade 12** **Town** Putnam

**Bahadir Ozgenturk** **Grade 12** **Town** Putnam

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion



# Connecticut Science Fair

## 2012 Regular Fair Winners

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

**Putnam** Putnam Science Academy Serdar Haytiyev

6510 Efficient and Practical Approach to Removal of BTEX from Industrial Waste Water by Using Tea Waste

**Student(s)** **Rejepmuhammet Gurbannazarov** **Grade** 10 **Town** Putnam  
**Kerem On** **Grade** 10 **Town** Putnam

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award

**Putnam** Putnam Science Academy MEHMET YARAMIS

3504 The Effects of Watershed Pollution on the Common Inhabitant Fresh Water Plant, Nasturtium officinale

**Student(s)** **Mehmet Karaduman** **Grade** 9 **Town** Putnam  
**Mehmet Eygoren** **Grade** 9 **Town** Putnam  
**Hacibey Catalbasoglu** **Grade** 9 **Town** Putnam

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award

**Putnam** Putnam Science Academy Serdar Haytiyev

3515 Environmentally Friendly Photodegradation of Aliphatic Pollutants in Water by Using Visible Light Activated Chlorophyll

**Student(s)** **Almas Myrzatay** **Grade** 10 **Town** Putnam  
**Selman Avci** **Grade** 10 **Town** Middletown  
**Muhammed Kose** **Grade** 10 **Town** Putnam

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award
- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Putnam** Putnam Science Academy Serdar Haytiyev

6503 Effective Removal of BTEX from Industrial Wastewater by Using Banana Peels as an Environmentally Friendly and Low-Cost Bio-Sorbent

**Student(s)** **Serik Tukupov** **Grade** 11 **Town** Putnam  
**Vali Gasimov** **Grade** 11 **Town** Putnam  
**Humza Ahmed** **Grade** 11 **Town** Tolland

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award
- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

**Redding** Joel Barlow High School Katherine Nuzzo

6076 Surfactants: Emulsification Effects of Synthetic, Microbial and Plant-Derived Surfactants

**Student(s)** **Morgan Jordan** **Grade** 12 **Town** Easton

- eesmarts/CT Energy Efficiency Fund Future Sustainability Awards --- 1st Place High School - \$800 Cash, Trophy, and Trip to Compete I-SWEEEP, Houston
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship to Quinnipiac University for High School Student

**Ridgefield** East Ridge Middle School Mrs. Deborah Sullivan

4007 Soap Mania

**Student(s)** **Sarah Battipaglia** **Grade** 8 **Town** Ridgefield  
**Elisa Jonas** **Grade** 8 **Town** Ridgefield

- Dominion's Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences MS Team- trophy, invite to compete Broadcom MASTERS

# Connecticut Science Fair

## 2012 Regular Fair Winners

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

**Ridgefield** East Ridge Middle School Mrs. Sullivan

1005 The Effectiveness of Natural Acne Products vs. Chemical Commercial Products

**Student(s)** **Margaret Comer** **Grade 8** **Town** Ridgefield  
**Gwen Byrne** **Grade 8** **Town** Ridgefield

- Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award

**Ridgefield** East Ridge Middle School Ms. Sullivan

4002 Determining Amount Of Sugar, Salt, and Alcohol in a Water Solution with a Laser Pointer

**Student(s)** **Martin Herlihy** **Grade 8** **Town** Ridgefield  
**Brendan Donnelly** **Grade 8** **Town** Ridgefield

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- 3rd Place Middle School - Trophy , \$100 from People's United Bank

**Shelton** Shelton High School Mrs. Dunham

6066 Revolutionizing Cancer Treatment: A Simulation of Nanocarriers Using Swarm Intelligence for Targeted Cancer Cells

**Student(s)** **Rigel Mahmood** **Grade 10** **Town** Shelton

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Xerox Computer Science Awards --- 2nd Place High School - \$300, Trophy, Medallion

**Shelton** Shelton High School Daniel Nazzaro

3522 How Radiation Affects Cells

**Student(s)** **Caroline Steadham** **Grade 9** **Town** Shelton  
**Sydney Carter** **Grade 9** **Town** Shelton  
**Johnna Bakalar** **Grade 9** **Town** Shelton

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award

**Shelton** Shelton High School Mr. Nazzaro

6516 What is the Fastest Way to Solve a Sudoku Puzzle?

**Student(s)** **Ryan Zuklie** **Grade 12** **Town** Shelton  
**Alex Wlcek** **Grade 12** **Town** Shelton  
**Mike Dellolio** **Grade 12** **Town** Shelton

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award
- Xerox Computer Science Awards --- 3rd Place High School- \$200, Trophy, Medallion

**Stafford Springs** St. Edward School Mrs. Napolitano

5024 The Science of Tornadoes

**Student(s)** **Samuel Teerlinck** **Grade 7** **Town** Monson

- Dominion's Millstone Power Station Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - trophy

**Storrs** E. O. Smith High School Robert Pirrie

6026 Membranes for Biochemical Separations

**Student(s)** **Paula Chen** **Grade 11** **Town** Storrs

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion

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

**Storrs** E. O. Smith High School Jon Swanson

3038 Propagation and Mass Changes of Coral under Different Circumstances

**Student(s)** Timothy Nolan **Grade** 10 **Town** Willington

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award

**Stratford** Harry B. Flood Middle School Mr. David Gorski

5553 Measuring Temperature with a Violin

**Student(s)** Autumn Wagner **Grade** 8 **Town** Stratford

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award

**Stratford** St. Mark School Phillip Flynn

5012 Go With The Flow: Applying Darcy's Law to the Flow of Groundwater

**Student(s)** Gabriella Larizza **Grade** 7 **Town** Stratford

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award

**Stratford** St. Mark School Mr. Phil Flynn

5022 A Bright Idea: Comparing the Efficiency of Incandescent, CFL, and LED Light Bulbs

**Student(s)** Megan Robertson **Grade** 7 **Town** Stratford

- Dominion's Millstone Power Station Physical Sciences Awards --- 4th Place- Physical Sciences 7th Grade Ind. - trophy, invite to compete Broadcom MASTERS
- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- Middle School Finalist - Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award

**Trumbull** Christian Heritage School Dan Cote

6053 The general equation of the sum of power series

**Student(s)** Xiaofei Yu **Grade** 11 **Town** Shelton

- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- 1st Place High School- \$150 from ATOMIC, Trophy, \$500 from People's United Bank

**Trumbull** St. Catherine of Siena School Mrs. Kelly Collins

2020 Should We Be Going Bananas?! The Study of Ocean and Freshwater Acidification and its Harmful Effect on the Shells of Aquatic Organisms and the Evaluation of a Banana-Derived Additive to Reduce It.

**Student(s)** Abigail Kelly **Grade** 7 **Town** Shelton

- Pfizer Life Sciences Awards --- 5rd Place- Life Sciences 7th grade- trophy

**Trumbull** St. Catherine of Siena School Mrs. Kelly Collins

5512 Cold Pack Chemistry

**Student(s)** William Quigley **Grade** 8 **Town** Trumbull

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award

**Watertown** The Taft School Mr. Michael McAloon

3062 From Shape Recognition to Multi-Calculus Thinking: Study of Geometric Perception and Spatial Cognition in Early Alzheimer's Disease Patients

**Student(s)** Xinhe Zheng **Grade** 11 **Town** Watertown

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- 2nd Place High School- \$100 from ATOMIC, Trophy, \$300 from People's United Bank

# Connecticut Science Fair

## 2012 Regular Fair Winners

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

**West Hartford** American School for the Deaf Mary Laporta

3501	Beluga Behavior Study	Grade 11	Town	Ansonia
<b>Student(s)</b>	<b>Dazjahnique Parker</b>	<b>Grade 11</b>	<b>Town</b>	<b>Canton</b>
	<b>Faye Frez-Albrecht</b>	<b>Grade 11</b>	<b>Town</b>	<b>Bristol</b>
	<b>Lynette Saucier</b>	<b>Grade 11</b>	<b>Town</b>	<b>Bristol</b>

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award

**Westbrook** Westbrook Middle School Mrs. Lepore

5013	How is a Soils Permeability Related to its Grain Size Distribution?	Grade 7	Town	Westbrook
<b>Student(s)</b>	<b>Liam Collins</b>	<b>Grade 7</b>	<b>Town</b>	<b>Westbrook</b>

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award

**Westport** Staples High School Dr. Nicholas Morgan

6033	NGC 2194: Clues to Stellar Evolution	Grade 11	Town	Westport
<b>Student(s)</b>	<b>Kim Adler</b>	<b>Grade 11</b>	<b>Town</b>	<b>Westport</b>

- Dominion's Millstone Power Station Physical Sciences Awards --- 4th Place- Physical Sciences Senior High Individual - trophy

**Westport** Staples High School Dr. Michele Morse

3033	Chaos in Bacterial Growth with Sinusoidal Temperature Cycles	Grade 11	Town	Westport
<b>Student(s)</b>	<b>Michael Menz</b>	<b>Grade 11</b>	<b>Town</b>	<b>Westport</b>

- ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards - with People's United Bank --- High School Finalist - Medallion & Acrylic Award

**Westport** Staples High School Alfred J. Scheetz

3046	Optogenetic Interrogation of Prefrontal Cortex Dopamine D1 Receptor-Containing Neurons as a Technique to Restore Timing: A Novel Approach to Treat Prefrontal Disorders	Grade 12	Town	Westport
<b>Student(s)</b>	<b>John Solder</b>	<b>Grade 12</b>	<b>Town</b>	<b>Westport</b>

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High- \$500 & trophy, Trip to compete at Intel ISEF
- Goodrich ISR Awards for Excellence In Engineering --- \$1,000 Cash and plaque
- H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Life Sciences Senior - \$1,000 cash, Solid Silver Medal of Excellence, invite to CASE Annual Mtg
- Alexion Biotechnology Awards --- 1st Place- Biotechnology Senior High- Trip to compete at Intel ISEF, \$500 & trophy,

**Westport** Staples High School Dr. Nick Morgan

3037	The Application of the Photosynthetic Hydrogen Production of <i>C. reinhardtii</i> in Hydrogen Fuel Cells	Grade 12	Town	Westport
<b>Student(s)</b>	<b>Jay Tsai</b>	<b>Grade 12</b>	<b>Town</b>	<b>Westport</b>

- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- High School Finalist - Medallion

**Wilton** Middlebrook School Robert Moya

5019	Improving Efficiency of Solar Energy	Grade 7	Town	Wilton
<b>Student(s)</b>	<b>Kevin Moya</b>	<b>Grade 7</b>	<b>Town</b>	<b>Wilton</b>

- Dominion's Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award

# Connecticut Science Fair

## 2012 Regular Fair Winners

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

**Wilton** Middlebrook School Norman Kendra

5516 Material Density vs. Angle of Refraction

**Student(s)** **Mishil Nana** **Grade 8** **Town** Wilton

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award

**Windsor** Madina Academy Aisha Seyal

2527 Manufacturing and Biodegrading Bioplastics: Observing the speed of biodegradation of potato, rice, tapioca and corn starch based plastics.

**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
- eesmarts/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

**Windsor** Madina Academy Aisha Seyal

5530 The design and construction of a superlative HHO generator and the effect of complex carbohydrates on the output of hydroxide.

**Student(s)** **Abdulqadeer Bin Sajid** **Grade 8** **Town** Bristol

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award

**Windsor** Madina Academy Aisha Seyal

2017 Can homeopathic solutions inhibit the growth of Group A Streptococcus bacteria?

**Student(s)** **Amira Elfeky** **Grade 7** **Town** Simsbury

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
- Alexion Biotechnology Awards --- 5th Place- Biotechnology 7th grade- trophy

**Windsor** Madina Academy Aisha Seyal

5033 Charge your device in a power blackout: Effective methods to generate electricity from heat and solar energy using thermoelectric generators

**Student(s)** **Osama EISherbini** **Grade 7** **Town** Windsor

- Dominion's Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
- Clean Energy Finance and Investment Authority Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
- eesmarts/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

**Windsor** Madina Academy Aisha Seyal

5020 Back to the Future with Mud Brick and Clay Egyptian Houses and Wooden American Houses: Comparing cooling and heating methods, structure stability, and cost differences

**Student(s)** **Malak Enayetallah** **Grade 7** **Town** Tolland

- eesmarts/CT Energy Efficiency Fund Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

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

**Windsor** Madina Academy Aisha Seyal

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

**Student(s)** **Ayesha Khan** **Grade 8** **Town** Windsor

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

**Windsor** Madina Academy Upper School Iman Al-Naggar

3513 Agave: The Future of Biofuels A Comparison of the Biofuel Potential of Agave Americana Grown with Different Amounts of Water

**Student(s)** **Aasiya Ahmed** **Grade 9** **Town** Windsor  
**Usra Qureshi** **Grade 9** **Town** Windsor

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award

**Windsor** St. Gabriel School Margaret Rosa

2513 Out With Indigestion

**Student(s)** **Kirsten Mossberg** **Grade 8** **Town** Windsor

- Alexion Biotechnology Awards --- 5th Place- Biotechnology 8th grade- trophy

**Woodbridge** Amity Regional High School Deborah Day

3078 The Prevalence of Family History of Psychiatric Conditions Among Individuals with Optimal Outcomes and Individuals who have Retained Their Autism Spectrum Disorder Diagnoses.

**Student(s)** **Andrew Chen** **Grade 11** **Town** Bethany

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award

**Woodbridge** Amity Regional High School Deborah Day

6006 Effect of Indexing String Length On Speed and Memory Usage for Digital Karyotyping Query Algorithms

**Student(s)** **Jordan Henck** **Grade 11** **Town** Woodbridge

- Xerox Computer Science Awards --- 1st Place High School - \$400, Trophy, Medallion

**Woodbridge** Amity Regional High School Deborah Day

3059 The effect of different Northern Catalpa Bark chemicals on Pogonomrymex

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

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

**Woodbridge** Amity Regional High School Deborah Day

3054 Photodynamic Therapy for Accelerated Wound Healing

**Student(s)** **Shiyu Zhuang** **Grade 11** **Town** Orange

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award