



# Connecticut Science Fair

## Quinnipiac University

### March 13 - 17, 2012

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## Final Judging Results

### Alexion Biotechnology

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

#### Award Legend

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

### 7th Grade

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

4010	PT	Analysis and Bioavailability of Chemical Dyes Versus Natural Dyes with their Antioxidant Benefits.
<b>Award</b>	<b>1</b>	<b>Student(s)</b> Chana Piekarski
		Esther Caroline
	<b>Grade 7</b>	<b>Town</b> Hamden
	<b>Grade 7</b>	<b>Town</b> New Haven

**Bridgeport** Thurgood Marshall Middle School Carmen Andrews

2007	L7	Peel Power
<b>Award</b>	<b>2</b>	<b>Student(s)</b> Jonathan Siveyer
	<b>Grade 7</b>	<b>Town</b> Monroe

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

1010	LT	Testing the Effect of pH Levels of Polluted Fresh Water on Elodea Canadensis Life Span
<b>Award</b>	<b>3</b>	<b>Student(s)</b> Lauren Cirone
		Anna Brubaker
	<b>Grade 7</b>	<b>Town</b> Newtown
	<b>Grade 7</b>	<b>Town</b> Southbury

**Orange** Southern Connecticut Hebrew Academy Karen Howell

1014	LT	Hydration Benefits with Fruits and Vegetables and Effect on Cell Absorption
<b>Award</b>	<b>4</b>	<b>Student(s)</b> Devora Hodakov
		Batsheva Lipsker
	<b>Grade 7</b>	<b>Town</b> New Haven
	<b>Grade 7</b>	<b>Town</b> Stamford

**Windsor** Madina Academy Aisha Seyal

2017	L7	Can homeopathic solutions inhibit the growth of Group A Streptococcus bacteria?
<b>Award</b>	<b>5</b>	<b>Student(s)</b> Amira Elfeky
	<b>Grade 7</b>	<b>Town</b> Simsbury

**Danbury** St. Joseph School Mrs. J. Page

1027	LT	Hidden Horrors: Do Germs Lurk in Our School?
<b>Award</b>	<b>m</b>	<b>Student(s)</b> Michael Casio
		Rachel Hewitt
	<b>Grade 7</b>	<b>Town</b> Brewster
	<b>Grade 7</b>	<b>Town</b> Danbury

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

2022	L7	One Dog's Poop, Another Man's Treasure.
<b>Award</b>	<b>m</b>	<b>Student(s)</b> Brian Brigham
	<b>Grade 7</b>	<b>Town</b> Orange

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

1017	LT	The Effects of Global Warming on Marine Life
<b>Award</b>	<b>m</b>	<b>Student(s)</b> Kimberly Stafko
		Alexa Maddalena
	<b>Grade 7</b>	<b>Town</b> Southington
	<b>Grade 7</b>	<b>Town</b> Southington

### 8th Grade

**Greenwich** Eastern Middle School Brian Carstens

2512	L8	An Investigation Into Hydrogen-Producing Green Algae
<b>Award</b>	<b>1</b>	<b>Student(s)</b> Paul Hansel
	<b>Grade 8</b>	<b>Town</b> Old Greenwich

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

2543	L8	Phytoremediation: Removal of metal pollutants from contaminated soil and effect of chelators
<b>Award</b>	<b>2</b>	<b>Student(s)</b> Alex Russell
	<b>Grade 8</b>	<b>Town</b> New Haven



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**Windsor** Madina Academy Aisha Seyal

2527 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

**Bethel** Bethel Middle School Mr. Labounty

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

**Award** 4 **Student(s)** Nicolas Cazzaniga **Grade** 8 **Town** Bethel

**Windsor** St. Gabriel School Margaret Rosa

2513 L8 Out With Indigestion

**Award** 5 **Student(s)** Kirsten Mossberg **Grade** 8 **Town** Windsor

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

2540 L8 The Effects of De-Icing Salts and Chemical Compounds on Adiantum pedatum

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

## High School

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

3046 LS Optogenetic Interrogation of Prefrontal Cortex Dopamine D1 Receptor-Containing Neurons as a Technique to Restore Timing: A Novel Approach to Treat Prefrontal Disorders

**Award** 1 **Student(s)** John Solder **Grade** 12 **Town** Westport

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

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

**Award** 2 **Student(s)** Kyle Ryan **Grade** 11 **Town** Trumbull

**Danbury** Danbury High School Mr. LaRosa

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

**Award** 3 **Student(s)** Janine Kerr **Grade** 9 **Town** Danbury

**Greenwich** Greenwich High School Andrew Bramante

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

**Award** 4 **Student(s)** Annie Zhang **Grade** 11 **Town** Cos Cob

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

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

**Award** 5 **Student(s)** Bridget Oei **Grade** 10 **Town** Hebron

**Danbury** Danbury High School Mr. Tracey

3007 LS Antibiotic inactivation at home: A Proposal for Disposal Can antibiotics be inactivated so that they may be disposed of down the drain?

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

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

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

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



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**Greenwich** Greenwich High School Andrew Bramante

3099 LS The regeneration of human tooth enamel in physiological conditions

**Award** m **Student(s)** Stephen Le Breton

**Grade** 11 **Town** Greenwich

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

3075 LS 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

**Award** m **Student(s)** Olivia Kelly

**Grade** 10 **Town** Shelton

**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