



**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.*

**Special Awards**

**Air and Waste Management Association, Connecticut Chapter**

**Award** \$100 Junior, Environmental Research, air pollution related

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

**Project Title** The Buffering Capacity of Various Types of Soils and Grasses on Acid Rain

**Proj. No.** 5518

**Student(s)** Moshe Y. Piekarski      **Grade 8**      **Town** Hamden

**Award** \$100 Junior, Environmental Research, waste recycling related

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

**Project Title** Effect of Bioremediation Nutrient Cultures on Degradation of Oil Spills, and Effect on Sand and Marsh Grass.

**Proj. No.** 2509

**Student(s)** Chaim M. I. Hodakov      **Grade 8**      **Town** New Haven

**Award** \$100 Senior, Environmental Research, air pollution related

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

**Project Title** The Effects of Different Atmospheric Gases on Solar Energy

**Proj. No.** 6513

**Student(s)** Katie Savage      **Grade 9**      **Town** Amston

Olivia Tarca      **Grade 9**      **Town** Hebron

**Award** \$100 Senior, Environmental Research, waste recycling related

**School** Putnam Science Academy      **Putnam**      **Ahmet Hakan Duman**

**Project Title** Utilizing Autumn Foliage as an Alternative Energy Source and as an Absorbing Agent for Oil Spills

**Proj. No.** 3513

**Student(s)** Ozkan Cil      **Grade 12**      **Town** Putnam

Selahaddin S. Ozkan      **Grade 11**      **Town** Putnam

Fehmi E. Agaoglu      **Grade 11**      **Town** Putnam

**Alumni Botany Awards**

<b>Award</b>	Alumni High School Botany Award- \$100 Cash		
<b>School</b>	Bethel High School	Bethel	Mr. Raymond Turek
<b>Project Title</b>	Super Weed: Allelopathic Inhibition of Garlic Mustard (Alliaria Petiolata) on Germination and Growth of Native Zinnia Seeds		
<b>Proj. No.</b>	3043		
<b>Student(s)</b>	Julie M. Zeller	Grade 11	Town Bethel

<b>Award</b>	Alumni Middle School Botany Award- \$100 Cash		
<b>School</b>	Greens Farms Academy	Greens Farms	Dr. Freeman
<b>Project Title</b>	Algae Biofuels		
<b>Proj. No.</b>	2032		
<b>Student(s)</b>	Lydia Picoli	Grade 7	Town Wilton

**American Institute of Aeronautics & Astronautics - Connecticut Section**

<b>Award</b>	\$200 award, certificate		
<b>School</b>	Eastern Middle School	Greenwich/Riverside	Brian Carstens
<b>Project Title</b>	A Cost-Effective, Eco-Friendly Weather Monitoring UAV.		
<b>Proj. No.</b>	5009		
<b>Student(s)</b>	Paul J. Hansel	Grade 7	Town Old Greenwich

<b>Award</b>	\$200 award, certificate		
<b>School</b>	East Hartford High School	East Hartford	Mr. Reid
<b>Project Title</b>	Result of Flight Time of Moth Paper Airplanes with Different Tips		
<b>Proj. No.</b>	6017		
<b>Student(s)</b>	Saad Islam	Grade 10	Town East Hartford

**American Meteorological Society**

<b>Award</b>	Certificate & membership to CT Science Center given by CSF		
<b>School</b>	<b>St. Mark School</b>	<b>Stratford</b>	<b>Mr. Flynn</b>
<b>Project Title</b>	Desalination!		
<b>Proj. No.</b>	<b>1012</b>		
<b>Student(s)</b>	Nicole M. Terrizzi	<b>Grade 8</b>	<b>Town Stratford</b>
	Margaret M. Gallagher	<b>Grade 8</b>	<b>Town Stratford</b>

<b>Award</b>	Certificate & membership to CT Science Center given by CSF		
<b>School</b>	<b>SS. Cyril and Methodius School</b>	<b>Hartford</b>	<b>Ms. Powell</b>
<b>Project Title</b>	Wind Turbines! How much electric energy can be produced by wind turbines?		
<b>Proj. No.</b>	<b>4023</b>		
<b>Student(s)</b>	Erika M. Diaz	<b>Grade 7</b>	<b>Town Hartford</b>
	Goddess Gilbert	<b>Grade 7</b>	<b>Town Hartford</b>

**American Psychological Association**

<b>Award</b>	Certificate, membership to CT Science Center given by CSF		
<b>School</b>	<b>Fields Memorial School</b>	<b>Bozrah</b>	<b>Ev Brown</b>
<b>Project Title</b>	Cracking Codes And Solving Ciphers		
<b>Proj. No.</b>	<b>2018</b>		
<b>Student(s)</b>	Connor S. Provost	<b>Grade 7</b>	<b>Town Bozrah</b>

<b>Award</b>	Certificate, membership to CT Science Center given by CSF		
<b>School</b>	<b>Independent Day School</b>	<b>Middlefield</b>	<b>Charlotte Stutz</b>
<b>Project Title</b>	How does preconditioning of the mind effect sports performance?		
<b>Proj. No.</b>	<b>2538</b>		
<b>Student(s)</b>	Tyler Mulberry	<b>Grade 8</b>	<b>Town Middletown</b>

**American Society for Metals - Hartford Chapter**

Award	\$100 Check		
School	Smith Middle School	Glastonbury	Mrs. Nichols
Project Title	Wood Strength		
Proj. No.	5013		
Student(s)	Nicole Wiedemer	Grade 7	Town Glastonbury

Award	\$100 Check		
School	Engineering & Science University Magnet	New Haven	Dr. Marjorie Edmonds-Lloyd
Project Title	Material vs. Magnetism		
Proj. No.	5563		
Student(s)	J. S. Joseph II	Grade 8	Town New Haven

**American Society for Quality - Thames Valley Section**

Award	\$500 U. S. Savings Bond		
School	Talcott Mountain Academy	Avon	Mrs. Bauer
Project Title	The Mathematics of Card Counting		
Proj. No.	5513		
Student(s)	Brendan Forbes	Grade 8	Town Granby

**American Society of Safety Engineers, CT Valley Chapter**

Award	\$100 grade 7-8 project		
School	John F. Kennedy Middle School	Plantsville	Mrs. Pamela Pepin
Project Title	The Silver Saucers		
Proj. No.	4002		
Student(s)	Margaret A. Mellitt	Grade 8	Town Southington
Student(s)	Katherine J. Mellitt	Grade 8	Town Southington

Award	\$100 grade 7-8 project		
School	East Granby Middle School	East Granby	Mr. Langan
Project Title	Helmet Impact Study - Which type of sports helmet absorbs the most impact?		
Proj. No.	5049		
Student(s)	Gavin S. McConnell	Grade 7	Town East Granby

Award	\$100 grade 7-8 project		
School	St. Timothy Middle School	West Hartford	Mrs. Battaglia/Mrs. Breen
Project Title	Quest for Quietness		
Proj. No.	5051		
Student(s)	Stephen Gosselin	Grade 7	Town West Hartford

Award	\$150 grade 9-12 project		
School	Staples High School	Westport	Dr. Aaron Steiner
Project Title	An Approach to Treating Sensorineural Hearing Loss through the Identification and Characterization of Mechanosensory Hair Cell Progenitors in the Zebrafish Lateral Line		
Proj. No.	3027		
Student(s)	Joshua M. Greenberg	Grade 12	Town Westport

Award	\$150 grade 9-12 project		
School	Brewster High School	Brewster	Mr. Edward Schmidt
Project Title	Application of Non-Newtonian Fluids for the Prevention of Sports Injuries		
Proj. No.	6057		
Student(s)	Drew Podgorski	Grade 10	Town Brewster

Award	\$150 grade 9-12 project		
School	Newtown High School	Sandy Hook	Dejulio
Project Title	Strong Bars		
Proj. No.	6067		
Student(s)	Kurt Liniger	Grade 11	Town Newtown

### ASM Materials Education Foundation

Award	Certificate & membership to CT Science Center given by CSF & medallion		
School	St. Bridget School	Manchester	Ms. Kim Maysonet
Project Title	The Effect Of Temperature On The Viscosity Of Motor Oil		
Proj. No.	5023		
Student(s)	Nicole Robitaille	Grade 7	Town Manchester

<b>Award</b>	Certificate & membership to CT Science Center given by CSF& medallion		
<b>School</b>	<b>St. Bridget School</b>	<b>Cheshire</b>	<b>Mr. Kerry Martens</b>
<b>Project Title</b>	What is the best packaging material for protecting a given object?		
<b>Proj. No.</b>	<b>5502</b>		
<b>Student(s)</b>	Nicholas J. Indorf	<b>Grade 8</b>	<b>Town Wallingford</b>

### Association for Women Geoscientists

<b>Award</b>	Certificate & membership to CT Science Center given by CSF		
<b>School</b>	<b>Madina Academy</b>	<b>Windsor</b>	<b>Aisha Seyal</b>
<b>Project Title</b>	A novel water filtration and disinfection system designed using a salad spinner, dynamo and high intensity light emitting diodes (LED) for use in developing countries.		
<b>Proj. No.</b>	<b>5041</b>		
<b>Student(s)</b>	Sithy A. Mahamoon	<b>Grade 7</b>	<b>Town Windsor</b>

<b>Award</b>	Certificate & membership to CT Science Center given by CSF		
<b>School</b>	<b>St. Gabriel School</b>	<b>Milford</b>	<b>Mrs. Schnakenberg</b>
<b>Project Title</b>	Carbon Dioxide (CO <sub>2</sub> ) and Global Warming		
<b>Proj. No.</b>	<b>5521</b>		
<b>Student(s)</b>	Melissa M. Hanania	<b>Grade 8</b>	<b>Town Milford</b>

### Astronomical Society of Greater Hartford

<b>Award</b>	Junior Project- \$100 and ASGH meeting invitation		
<b>School</b>	<b>St. Mark School</b>	<b>Stratford</b>	<b>Philip Flynn</b>
<b>Project Title</b>	Cosmic Rays: Comparing the Frequency of Muon Strikes with Heliospheric and Atmospheric Variables		
<b>Proj. No.</b>	<b>5560</b>		
<b>Student(s)</b>	Emily M. Robertson	<b>Grade 8</b>	<b>Town Stratford</b>

<b>Award</b>	Senior Project- \$150 and ASGH meeting invitation		
<b>School</b>	<b>Staples High School</b>	<b>Westport</b>	<b>Dr. Nicholas Morgan</b>
<b>Project Title</b>	Computational Investigation of Astrophysical Nuclear Reaction Rate Dominance		
<b>Proj. No.</b>	<b>6039</b>		
<b>Student(s)</b>	Rachel A. Myers	<b>Grade 12</b>	<b>Town Westport</b>

**Banning Family Life Science Award**

<b>Award</b>	For excellence in invasive species research, \$100 cash		
<b>School</b>	<b>Fields Memorial School</b>	<b>Bozrah</b>	<b>Evelyn Brown</b>
<b>Project Title</b>	Fanwort: Friend or Foe?		
<b>Proj. No.</b>	<b>2508</b>		
<b>Student(s)</b>	Marissa A. Digby	<b>Grade 8</b>	<b>Town Bozrah</b>

**Barker Mohandas Award for Transportation Research**

<b>Award</b>	\$250 Cash for Excellence in Transportation Related Research		
<b>School</b>	<b>St. Edward School</b>	<b>Stafford Springs</b>	<b>Mrs. Milnes</b>
<b>Project Title</b>	Ion Engines: A Superior Deep Space Propulsion Method		
<b>Proj. No.</b>	<b>5559</b>		
<b>Student(s)</b>	Benjamin S. Teerlinck	<b>Grade 8</b>	<b>Town Monson</b>

**Biophysical Society**

<b>Award</b>	Biophysics Award - \$100		
<b>School</b>	<b>Sacred Heart Academy</b>	<b>Hamden</b>	<b>Mrs. Brownell</b>
<b>Project Title</b>	Role of Karyogamy Genes in Nuclear Pore Complex Assembly		
<b>Proj. No.</b>	<b>3016</b>		
<b>Student(s)</b>	Dominika A. Bajguz	<b>Grade 12</b>	<b>Town Naugatuck</b>

**Coherent, Inc. Richard Hart Award for Excellence in Photonics**

<b>Award</b>	\$300 cash, plaque, invitation to lunch and tour Coherent factory		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Mr. Andrew Bramante</b>
<b>Project Title</b>	Visible Illumination of Ferroelectric BiFeO <sub>3</sub> Thin Films to Produce a Polarization-Dependent Bulk Photovoltaic Effect		
<b>Proj. No.</b>	<b>6054</b>		
<b>Student(s)</b>	James P. O'Sullivan	<b>Grade 11</b>	<b>Town Old Greenwich</b>

### Connecticut Academy of Audiology

<b>Award</b>	\$150 Cash Award High School- For Excellence in Audiology and Acoustics		
<b>School</b>	<b>St. Michael School</b>	<b>Pawcatuck</b>	<b>Mr DeNoia</b>
<b>Project Title</b>	A Dancers Learning Style - Are they the same for Academics and Dance?		
<b>Proj. No.</b>	<b>2009</b>		
<b>Student(s)</b>	Taylor M. Hanes	<b>Grade 7</b>	<b>Town Pawcatuck</b>

<b>Award</b>	\$150 Cash Award Middle School- For Excellence in Audiology and Acoustics		
<b>School</b>	<b>Staples High School</b>	<b>Westport</b>	<b>Dr. Aaron Steiner</b>
<b>Project Title</b>	An Approach to Treating Sensorineural Hearing Loss through the Identification and Characterization of Mechanosensory Hair Cell Progenitors in the Zebrafish Lateral Line		
<b>Proj. No.</b>	<b>3027</b>		
<b>Student(s)</b>	Joshua M. Greenberg	<b>Grade 12</b>	<b>Town Westport</b>

### Connecticut Architecture Foundation

<b>Award</b>	\$100 U.S. Savings Bond		
<b>School</b>	<b>Sacred Heart Academy</b>	<b>Hamden</b>	<b>Mrs. Pamela Brownell</b>
<b>Project Title</b>	The Structural Feasibility of Pykrete		
<b>Proj. No.</b>	<b>6505</b>		
<b>Student(s)</b>	Raeanne Nuzzo	<b>Grade 10</b>	<b>Town North Haven</b>
	Yasmine Shreiteh	<b>Grade 10</b>	<b>Town Guilford</b>

<b>Award</b>	\$100 U.S. Savings Bond		
<b>School</b>	<b>Shelton High School</b>	<b>Shelton</b>	<b>Mrs. Pickett</b>
<b>Project Title</b>	Eggs-traordinary Strength		
<b>Proj. No.</b>	<b>6510</b>		
<b>Student(s)</b>	John D. Hunter	<b>Grade 9</b>	<b>Town Shelton</b>
	Kristian R. Schif	<b>Grade 9</b>	<b>Town Shelton</b>



**Connecticut Association of Physics Teachers**

<b>Award</b>	\$100 Senior project		
<b>School</b>	Oxford High School	Oxford	Mrs. Granucci
<b>Project Title</b>	Using Refinery Produced CO <sub>2</sub> Emissions to Form Limestone Aggregate Industrial Grade Cement, Calcium Carbonate, When Combined With Calcium.		
<b>Proj. No.</b>	6002		
<b>Student(s)</b>	Jared A. Schulman	Grade 11	Town Oxford

**Connecticut College-Biological and Botany Department**

<b>Award</b>	\$100 for excellence in the biological sciences		
<b>School</b>	Bethel High School	Bethel	Mr. Raymond Turek
<b>Project Title</b>	Super Weed: Allelopathic Inhibition of Garlic Mustard (Alliaria Petiolata) on Germination and Growth of Native Zinnia Seeds		
<b>Proj. No.</b>	3043		
<b>Student(s)</b>	Julie M. Zeller	Grade 11	Town Bethel

**Connecticut College-Physics, Astronomy, & Geophysics Dept.**

<b>Award</b>	\$100 and certificate, Junior Physics & teeshirt		
<b>School</b>	St. Mark School	Stratford	Philip Flynn
<b>Project Title</b>	Cosmic Rays: Comparing the Frequency of Muon Strikes with Heliospheric and Atmospheric Variables		
<b>Proj. No.</b>	5560		
<b>Student(s)</b>	Emily M. Robertson	Grade 8	Town Stratford

<b>Award</b>	\$100 and certificate, Senior Physics & teeshirt		
<b>School</b>	The Taft School	Watertown	William Kron
<b>Project Title</b>	Design and Construction of a Linear Particle Accelerator		
<b>Proj. No.</b>	6092		
<b>Student(s)</b>	Matthew A. Petroff	Grade 12	Town Cheshire

### Connecticut Science Supervisors Association

<b>Award</b>	\$125 for a high school project		
<b>School</b>	Weston High School	Weston	Ms. Lauren Hauser
<b>Project Title</b>	Prevention of Cardiovascular Disease: The Antiseptic Effect of Syzygium aromaticum on Periodontal Disease		
<b>Proj. No.</b>	3065		
<b>Student(s)</b>	Sagar N. Kaushik	Grade 12	Town Weston

<b>Award</b>	\$125 for a middle school project		
<b>School</b>	Madina Academy	Windsor	Aisha Seyal
<b>Project Title</b>	Effects of composting leaves, coffee grounds, vegetables, or fruits compared to store-bought fertilizer and regular soil on the growth & appearance of plants and on soil nutrient levels.		
<b>Proj. No.</b>	1014		
<b>Student(s)</b>	Rayyan Ashraf	Grade 8	Town Windsor
	Shakeel A. Choudhury	Grade 8	Town Bloomfield

### Connecticut State Department of Health Laboratory Employees

<b>Award</b>	\$75 award		
<b>School</b>	Madina Academy	Windsor	Mehwish Amin
<b>Project Title</b>	Yeast Metabolism		
<b>Proj. No.</b>	2532		
<b>Student(s)</b>	Aden Khan	Grade 8	Town Windsor

<b>Award</b>	\$75 award		
<b>School</b>	East Ridge Middle School	Ridgefield	Deborah Sullivan
<b>Project Title</b>	Just How Toxic Are Aerosols?		
<b>Proj. No.</b>	1001		
<b>Student(s)</b>	Adeleine Hupy	Grade 8	Town Ridgefield
	Olivia Miloro	Grade 8	Town Ridgefield

**Connecticut Valley Biological Supply Company, Inc.**

<b>Award</b>	\$50 Gift Certificate w/ catalog		
<b>School</b>	Coleytown Middle School	Westport	Jodi Rieman
<b>Project Title</b>	Association of Polymorphisms in Rheumatoid Arthritis and Juvenile Rheumatoid Arthritis Susceptibility Genes		
<b>Proj. No.</b>	2526		
<b>Student(s)</b>	Malin S. Hovstadius	Grade 8	Town Westport

<b>Award</b>	\$50 Gift Certificate w/catalog		
<b>School</b>	St. Rose of Lima School	Newtown	Marde Dimon
<b>Project Title</b>	Improved Process for Bioremediation of Oil Contaminated Seawater		
<b>Proj. No.</b>	2514		
<b>Student(s)</b>	Haley M. Ryan	Grade 8	Town Newtown

**CSF Board of Directors Award**

<b>Award</b>	Certificate & membership		
<b>School</b>	Southern Connecticut Hebrew Academy	Orange	Mrs. Karen Howell
<b>Project Title</b>	The Buffering Capacity of Various Types of Soils and Grasses on Acid Rain		
<b>Proj. No.</b>	5518		
<b>Student(s)</b>	Moshe Y. Piekarski	Grade 8	Town Hamden

**CT Technology Council Youth Innovation Award**

<b>Award</b>	\$150 Cash Award for Technological Innovation		
<b>School</b>	Oxford High School	Oxford	Ms. Doherty
<b>Project Title</b>	Novel Approach for Microbial Fuel Cell Energy Generation		
<b>Proj. No.</b>	3038		
<b>Student(s)</b>	Samantha M. Ramsay	Grade 10	Town Oxford

**David and Torrey Fenton Awards**

<b>Award</b>	For creative work in the physical sciences- high school; \$200 cash		
<b>School</b>	Bridgeport Aquaculture School	Bridgeport	Mr.Shadle
<b>Project Title</b>	A Model Diesel Spill and Its Impact on Biological Oxygen Demand		
<b>Proj. No.</b>	6013		
<b>Student(s)</b>	Taylor A. Sambrook	Grade 12	Town Trumbull

<b>Award</b>	For creative work in the physical sciences- middle school; \$200 cash		
<b>School</b>	East Haven Academy	East Haven	Mrs. Staires
<b>Project Title</b>	When I Change The Type of Antacid, How Many Milliliters of Stomach Acid Will Be Neutralized?		
<b>Proj. No.</b>	5006		
<b>Student(s)</b>	Sarah E. Harkins	Grade 7	Town East Haven

**Dreams Unlimited**

<b>Award</b>	\$100 cash award + certificate		
<b>School</b>	Smith Middle School	Glastonbury	Mr. Steve Falcigno
<b>Project Title</b>	A Study of the Voltage Characteristics of Electrolytic Rectifiers		
<b>Proj. No.</b>	5043		
<b>Student(s)</b>	Paul J. Han	Grade 7	Town Glastonbury

<b>Award</b>	\$100 cash award + certificate		
<b>School</b>	West Rocks Middle School	Norwalk	Ms. DeLong
<b>Project Title</b>	Slingshot Science		
<b>Proj. No.</b>	5549		
<b>Student(s)</b>	Daniel K. Lott	Grade 8	Town Norwalk

**Education Connection - Center for 21st Century Skills Awards**

**Award** \$100 For innovative use of technology to advance science or engineering

**School** **Glastonbury High School** **Glastonbury** **Ms. Pintavalle**

**Project Title** Convergent song evolution between two allopatric green lacewing species, *C. "emerald"* and *C. pallida*

**Proj. No.** **3052**

**Student(s)** John D. Foster **Grade** 12 **Town** Glastonbury

**Award** \$100 For innovative use of technology to advance science or engineering

**School** **Greenwich High School** **Greenwich** **Andrew Bramante**

**Project Title** Statistical machine translation with syntactic weighting of target-language translation probabilities

**Proj. No.** **6090**

**Student(s)** Connor M. Harris **Grade** 11 **Town** Riverside

**Environmental/ Energy Award- New Haven Public School Student**

**Award** \$100 Award for top environmental or alternative energy project from a New Haven public school

**School** **High School in the Community** **New Haven** **Paul Jones**

**Project Title** Wind Generator Efficiency

**Proj. No.** **6011**

**Student(s)** Max Pelloth **Grade** 10 **Town** Milford

**FuelCell Energy**

**Award** Fuel Cell Car and Experiment Kit (\$150) + Jacket (\$50) + Pen (\$25) and Certificate

**School** **Walter C Polson Middle School** **Madison** **Madhuparna Roychoudhury**

**Project Title** Is that Battery really dead? And what are the limits of battery chemistry?

**Proj. No.** **5566**

**Student(s)** Shayan Roychoudhury **Grade** 8 **Town** Madison

**Award** Fuel Cell Car and Experiment Kit (\$150) + Jacket (\$50) + Pen (\$25) and Certificate

**School** **New Milford High School** **New Milford** **Mr. Felten**

**Project Title** What are the most desirable sources of mud for a microbial fuel cell?

**Proj. No.** **6060**

**Student(s)** Tara E. Larkin **Grade** 11 **Town** New Milford

**GENIUS Olympiad**

<b>Award</b>	GENIUS Olympiad Competition for HS student (s) and advisor - 1st Place HS Energy		
<b>School</b>	Fairfield College Preparatory School	Fairfield	Mrs. O'Reilly
<b>Project Title</b>	Autonomous Kite Wind Generator to Capture Troposphere Winds		
<b>Proj. No.</b>	6093		
<b>Student(s)</b>	Kyle T. Ryan	Grade 10	Town Trumbull

<b>Award</b>	GENIUS Olympiad Competition for HS student (s) and advisor - Ecology		
<b>School</b>	Sacred Heart Academy	Hamden	Mrs. Frances Saukas
<b>Project Title</b>	A Comparative Study of Herbs Grown Using an Aquaponic vs. a Hydroponic Growing System		
<b>Proj. No.</b>	3079		
<b>Student(s)</b>	Olivia N. Kelly	Grade 9	Town Shelton

<b>Award</b>	GENIUS Olympiad Competition for HS student (s) and advisor -Biodiversity		
<b>School</b>	Greens Farms Academy	Greens Farms	Sara Campolettano
<b>Project Title</b>	The Investigation of the Biological Health of the New Creek Salt Marsh through Water Quality Testing and Species Identification of Benthic Invertebrates		
<b>Proj. No.</b>	3001		
<b>Student(s)</b>	Allison C. Kruk	Grade 12	Town Easton

<b>Award</b>	GENIUS Olympiad Competition for HS student (s) and advisor -Environmental		
<b>School</b>	Norwich Free Academy	Norwich	Mr. Robert V Johnson
<b>Project Title</b>	Impact of Turbine Design on Renewable Energy Storage System Efficiency		
<b>Proj. No.</b>	6029		
<b>Student(s)</b>	Ian D. Dakers	Grade 11	Town Bozrah

**Harvey Hubbell Foundation Award**

<b>Award</b>	\$100 For Excellence in Engineering		
<b>School</b>	Broadview Middle School	Danbury	D. Rovnak
<b>Project Title</b>	Earthquake		
<b>Proj. No.</b>	4014		
<b>Student(s)</b>	Evan L. Coco	Grade 8	Town Danbury
	Tyler Amaral	Grade 8	Town Danbury

**Henderson Award**

Award	certificate and 1 year pass for two for the CT Science Center given by CSF		
School	Norwalk High School	Norwalk	Frank Moffett
Project Title	Using a Laser to Measure the Speed of Light in Jello		
Proj. No.	6012		
Student(s)	Christopher D. Burr	Grade 9	Town Norwalk

**IEEE, Connecticut Section**

Award	\$100 Honorable Mention		
School	Oei Homeschool	Hebron	Ellen McHugh
Project Title	Prototype Design of an Electricity Generating Shoe Utilizing a Pumped Air Turbine.		
Proj. No.	5030		
Student(s)	Maura C. Oei	Grade 7	Town Hebron

Award	\$100 Honorable Mention		
School	St. Peter/Sacred Heart School	Danbury	Mr. Greg Capone
Project Title	A-MAZE-ing Robots: Data structures, Algorithms, and Modern Robotics		
Proj. No.	5034		
Student(s)	Gabriel A. Correa	Grade 7	Town Danbury

Award	\$100 Honorable Mention		
School	Smith Middle School	Glastonbury	Mr. Steve Falcigno
Project Title	A Study of the Voltage Characteristics of Electrolytic Rectifiers		
Proj. No.	5043		
Student(s)	Paul J. Han	Grade 7	Town Glastonbury

Award	\$100 Honorable Mention		
School	Greenwich High School	Greenwich	Mr. Andrew Bramante
Project Title	Visible Illumination of Ferroelectric BiFeO <sub>3</sub> Thin Films to Produce a Polarization-Dependent Bulk Photovoltaic Effect		
Proj. No.	6054		
Student(s)	James P. O'Sullivan	Grade 11	Town Old Greenwich

Award	\$100 Honorable Mention		
School	The Taft School	Watertown	William Kron
Project Title	Design and Construction of a Linear Particle Accelerator		
Proj. No.	6092		
Student(s)	Matthew A. Petroff	Grade 12	Town Cheshire

Award	\$250 Honors Award -Senior		
School	Branford High School	Branford	Mrs. Elperina
Project Title	Microprocessor square root algorithms		
Proj. No.	6065		
Student(s)	Brede E. Doerner	Grade 11	Town Branford

Award	\$250 Honors Award -Junior		
School	St. Michael School	Pawcatuck	Mr. DeNoia
Project Title	The Effect of Blade Design on The Electrical Output of a Vertical Axis Wind Turbine		
Proj. No.	5516		
Student(s)	Catherine E. Montalto	Grade 8	Town Westerly

### Institute of Food Technologists, Nutmeg Section

Award	\$50 award + invitation to dinner		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Exploration of the GastroIntestinal Health Benefits of Anthocyanins in Blackcurrant Berries		
Proj. No.	3020		
Student(s)	Philip W. Geske	Grade 11	Town Riverside

Award	\$50 award + invitation to dinner		
School	New Milford High School	New Milford	Virginia Landgrebe
Project Title	The Contribution of Nitric Oxide to the Strength of Viral Immunity in Soybeans		
Proj. No.	3078		
Student(s)	Ana C. Vargas	Grade 11	Town New Milford



Award	\$50 award + invitation to dinner		
School	Grtr Hartford Academy of Math and Science	Hartford	Dr. Aramli
Project Title	The Effects of Artificial Sweeteners on Escherichia Coli Growth		
Proj. No.	3080		
Student(s)	Matthew M. Mashayekhi	Grade 11	Town Ellington

Award	\$50 award + invitation to dinner		
School	Immaculate High School	Danbury	Mr. Hoyt
Project Title	The antibiotic effects of antioxidant-rich cruciferous vegetables		
Proj. No.	3510		
Student(s)	Adriana M. DeNardis	Grade 10	Town Danbury
	Merna Haddad	Grade 10	Town Danbury

Award	\$50 award + invitation to dinner		
School	St. Rose of Lima School	Newtown	Mrs. Dimon
Project Title	(Vitamin) C How Sweet It Is		
Proj. No.	5055		
Student(s)	Matthew Pelisson	Grade 7	Town Sandy Hook

### Intel Excellence in Computer Science Award

Award	\$200 & certificate		
School	Branford High School	Branford	Mrs. Elperina
Project Title	Microprocessor square root algorithms		
Proj. No.	6065		
Student(s)	Brede E. Doerner	Grade 11	Town Branford

Award	\$200 & certificate		
School	Norwich Free Academy	Norwich	Robert Johnson
Project Title	Programming a LEGO NXT Robot to Work as a Search and Rescue Robot		
Proj. No.	6518		
Student(s)	Miranda R. Cirrito	Grade 9	Town Bozrah
	Remington J. Carle	Grade 10	Town Norwich

**ISA - International Society for Automation**

<b>Award</b>	1st - \$125 award		
<b>School</b>	West Rocks Middle School	Norwalk	Ms. DeLong
<b>Project Title</b>	Slingshot Science		
<b>Proj. No.</b>	5549		
<b>Student(s)</b>	Daniel K. Lott	Grade 8	Town Norwalk

<b>Award</b>	2nd - \$75 award		
<b>School</b>	Broadview Middle School	Danbury	D. Rovnak
<b>Project Title</b>	Earthquake		
<b>Proj. No.</b>	4014		
<b>Student(s)</b>	Evan L. Coco	Grade 8	Town Danbury
	Tyler Amaral	Grade 8	Town Danbury

<b>Award</b>	3rd - \$50 award		
<b>School</b>	Fields Memorial School	Bozrah	Mrs. Brown
<b>Project Title</b>	Baseball Bat Comparison		
<b>Proj. No.</b>	5016		
<b>Student(s)</b>	Coogan E. Pellerin	Grade 7	Town Bozrah

**John B. Trevor Award in Electrical Engineering**

<b>Award</b>	\$500 cash award for an innovative electronic or electrical project		
<b>School</b>	Eastern Middle School	Greenwich/Riverside	Brian Carstens
<b>Project Title</b>	A Cost-Effective, Eco-Friendly Weather Monitoring UAV.		
<b>Proj. No.</b>	5009		
<b>Student(s)</b>	Paul J. Hansel	Grade 7	Town Old Greenwich



<b>Award</b>	\$500 Life Science/Environmental Science/Physical science		
<b>School</b>	Bridgeport Aquaculture School	Bridgeport	Mr.Shadle
<b>Project Title</b>	A Model Diesel Spill and Its Impact on Biological Oxygen Demand		
<b>Proj. No.</b>	6013		
<b>Student(s)</b>	Taylor A. Sambrook	Grade 12	Town Trumbull

### Meyerand Young Woman Scientist Awards

<b>Award</b>	\$300 cash - High School, Life Sciences		
<b>School</b>	New Milford High School	New Milford	Ms. Reed
<b>Project Title</b>	Methicillin-Resistant Staphylococcus Aureus (MRSA) in New Milford High School		
<b>Proj. No.</b>	3050		
<b>Student(s)</b>	Toni Viola	Grade 11	Town New Milford

<b>Award</b>	\$300 cash - High School, Physical Sciences		
<b>School</b>	Bridgeport Aquaculture School	Bridgeport	Mr.Shadle
<b>Project Title</b>	A Model Diesel Spill and Its Impact on Biological Oxygen Demand		
<b>Proj. No.</b>	6013		
<b>Student(s)</b>	Taylor A. Sambrook	Grade 12	Town Trumbull

<b>Award</b>	\$300 cash - Middle School Life Sciences		
<b>School</b>	St. Joseph School	Danbury	Mrs. Jennifer Page
<b>Project Title</b>	Outbreak! Predicting the modes and transmission rates of a human viral epidemic		
<b>Proj. No.</b>	2519		
<b>Student(s)</b>	Janine A. Kerr	Grade 8	Town Danbury

<b>Award</b>	\$300 cash - Middle School, Physical Sciences		
<b>School</b>	St. Thomas School	Southington	Mrs. Pelczar
<b>Project Title</b>	Well Depth and Contamination		
<b>Proj. No.</b>	5050		
<b>Student(s)</b>	Caleigh M. Waskowicz	Grade 7	Town Southington

**Milton Fisher Science Fair Award for Innovation and Creativity**

<b>Award</b>	For Excellence in Creativity and Innovation by a High School student, \$200 cash		
<b>School</b>	<b>Danbury High School</b>	<b>Danbury</b>	<b>Marsha Turek</b>
<b>Project Title</b>	Biological Control of Ticks to Prevent Lyme Disease Using Entomopathogenic Nematodes		
<b>Proj. No.</b>	<b>3024</b>		
<b>Student(s)</b>	Ryan D. Kerr	<b>Grade</b> 10	<b>Town</b> Danbury

<b>Award</b>	For Excellence in Creativity and Innovation by a Middle School student, \$100 cash		
<b>School</b>	<b>The Montessori Middle School</b>	<b>Norwalk</b>	<b>David Lavallee</b>
<b>Project Title</b>	Airlift Water Pumping		
<b>Proj. No.</b>	<b>5554</b>		
<b>Student(s)</b>	Eric Smith	<b>Grade</b> 8	<b>Town</b> Norwalk

**MIT Club of Hartford Awards**

<b>Award</b>	For excellence in energy related research, high school, \$150 cash award		
<b>School</b>	<b>East Catholic High School</b>	<b>Manchester</b>	<b>Ms. Noble</b>
<b>Project Title</b>	Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine		
<b>Proj. No.</b>	<b>6072</b>		
<b>Student(s)</b>	Bridget M. Oei	<b>Grade</b> 9	<b>Town</b> Hebron

<b>Award</b>	For excellence in energy related research, middle school, \$150 cash award		
<b>School</b>	<b>Woodstock Middle School</b>	<b>Woodstock</b>	<b>Mrs. Carter</b>
<b>Project Title</b>	What are the effects of pH and temperature on the efficiency of ethanol production from biomass?		
<b>Proj. No.</b>	<b>5046</b>		
<b>Student(s)</b>	Deanna L. Guilani	<b>Grade</b> 7	<b>Town</b> Woodstock Valley

**Mu Alpha Theta**

<b>Award</b>	Certificate, membership to CT Science Center given by CSF		
<b>School</b>	Glastonbury High School	Glastonbury	Diane Pintavalle
<b>Project Title</b>	Comparisons of Aortic Stiffness using a Hooke's law Derived Spring Constant Between Aneurysm and Non-Aneurysm Groups		
<b>Proj. No.</b>	3062		
<b>Student(s)</b>	Rahul Sehgal	Grade 12	Town Rocky Hill

<b>Award</b>	Certificate, membership to CT Science Center given by CSF		
<b>School</b>	Glastonbury High School	Glastonbury	Diane Pintavalle
<b>Project Title</b>	A Surprising Geometric Transformation		
<b>Proj. No.</b>	6027		
<b>Student(s)</b>	Chung Su Hong	Grade 12	Town Glastonbury

**Mystic Aquarium**

<b>Award</b>	\$100		
<b>School</b>	Greens Farms Academy	Greens Farms	Sara Campolettano
<b>Project Title</b>	The Investigation of the Biological Health of the New Creek Salt Marsh through Water Quality Testing and Species Identification of Benthic Invertebrates		
<b>Proj. No.</b>	3001		
<b>Student(s)</b>	Allison C. Kruk	Grade 12	Town Easton

**National Oceanic and Atmospheric Administration**

<b>Award</b>	Certificate, medallion, and membership to CT Science Center given by CSF		
<b>School</b>	DePaolo Middle School	Southington	Mr. Young
<b>Project Title</b>	Is Fresh Water Safe To Drink?		
<b>Proj. No.</b>	1016		
<b>Student(s)</b>	Mack R. Golos	Grade 8	Town Southington
	Jake T. Moise	Grade 8	Town Southington

**National Society of Professional Engineers**

<b>Award</b>	Certificate, Lapel Pin, membership to CT Science Center given by CSF		
<b>School</b>	<b>St. Rose of Lima School</b>	<b>Newtown</b>	<b>Marde Dimon</b>
<b>Project Title</b>	Truss-t In Your Bridge		
<b>Proj. No.</b>	<b>5020</b>		
<b>Student(s)</b>	Dominic C. Pagliaro	<b>Grade 7</b>	<b>Town</b> Sandy Hook

<b>Award</b>	Certificate, Lapel Pin, membership to CT Science Center given by CSF		
<b>School</b>	<b>East Ridge Middle School</b>	<b>Ridgefield</b>	<b>Mr. Walsh</b>
<b>Project Title</b>	Building Multi-Purpose Craft		
<b>Proj. No.</b>	<b>5561</b>		
<b>Student(s)</b>	Gurumeher Sawhney	<b>Grade 8</b>	<b>Town</b> Ridgefield

**Northeast Utilities: Environmental Management**

<b>Award</b>	Senior - \$250 Scholarship, energy conservation and renewable energy sources		
<b>School</b>	<b>Fairfield College Preparatory School</b>	<b>Fairfield</b>	<b>Mrs. O'Reilly</b>
<b>Project Title</b>	Autonomous Kite Wind Generator to Capture Troposphere Winds		
<b>Proj. No.</b>	<b>6093</b>		
<b>Student(s)</b>	Kyle T. Ryan	<b>Grade 10</b>	<b>Town</b> Trumbull

<b>Award</b>	Senior - \$250 Scholarship, pollution prevention, source reduction, recycling, min. waste		
<b>School</b>	<b>Putnam Science Academy</b>	<b>Putnam</b>	<b>Hakan Duman</b>
<b>Project Title</b>	Enhancing the Plant Growth and Reducing the Greenhouse Gas Emissions by Using Single Mode Fiber Optics to Transmit Sunlight		
<b>Proj. No.</b>	<b>3501</b>		
<b>Student(s)</b>	Abdul V. Bektas	<b>Grade 11</b>	<b>Town</b> Putnam
	Alperen F. Tuzuner	<b>Grade 11</b>	<b>Town</b> Putnam
	Yusuf Eraslan	<b>Grade 11</b>	<b>Town</b> Putnam

### Office of Naval Research- U.S. Navy / U.S. Marine Corps

<b>Award</b>	High School- Certificate, \$75.00 gift certificate		
<b>School</b>	Rye Country Day School	Rye, NY	Dr. Mary Krasovec
<b>Project Title</b>	Development and Characterization of a Novel Listeria-Caspase-3 DNA Vaccine to Eradicate Metastatic Breast Cancer		
<b>Proj. No.</b>	3003		
<b>Student(s)</b>	Swathi Krishnan	Grade 12	Town Stamford

<b>Award</b>	High School- Certificate, \$75.00 gift certificate		
<b>School</b>	Sacred Heart Academy	Hamden	Mrs. Brownell
<b>Project Title</b>	Role of Karyogamy Genes in Nuclear Pore Complex Assembly		
<b>Proj. No.</b>	3016		
<b>Student(s)</b>	Dominika A. Bajguz	Grade 12	Town Naugatuck

<b>Award</b>	High School- Certificate, \$75.00 gift certificate		
<b>School</b>	Oxford High School	Oxford	Mrs. Doherty
<b>Project Title</b>	Design and Testing of Two-step Arsenic - remediating water filtration system (year two)		
<b>Proj. No.</b>	6048		
<b>Student(s)</b>	Joseph A. Bonavita Jr	Grade 12	Town Oxford

<b>Award</b>	High School- Certificate, \$75.00 gift certificate		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Improved Spectral Response of Dye Sensitized Solar Cells through Red-Shift Fluorescence Resonance Energy Transfer (FRET)		
<b>Proj. No.</b>	6071		
<b>Student(s)</b>	Thomas C. Newberry	Grade 11	Town Riverside

<b>Award</b>	High School- Certificate, \$75.00 gift certificate		
<b>School</b>	Greenwich High School	Greenwich	Mr. Andrew Bramante
<b>Project Title</b>	Visible Illumination of Ferroelectric BiFeO3 Thin Films to Produce a Polarization-Dependent Bulk Photovoltaic Effect		
<b>Proj. No.</b>	6054		
<b>Student(s)</b>	James P. O'Sullivan	Grade 11	Town Old Greenwich



**Award** Middle School- Certificate, membership to CT Science Center given by CSF

**School** **St. Timothy Middle School** **West Hartford** **Mrs. Christine Simao-Breen**

**Project Title** Aerodynamics: A Study in the Improvement of Auto Body Aerodynamic Efficiency

**Proj. No.** **5538**

**Student(s)** Sean Oleasz **Grade** 8 **Town** West Simsbury

**Award** Middle School- Certificate, membership to CT Science Center given by CSF

**School** **Fields Memorial School** **Bozrah** **Ev Brown**

**Project Title** Cracking Codes And Solving Ciphers

**Proj. No.** **2018**

**Student(s)** Connor S. Provost **Grade** 7 **Town** Bozrah

**Award** Middle School- Certificate, membership to CT Science Center given by CSF

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

**Project Title** Baseball Bat Comparison

**Proj. No.** **5016**

**Student(s)** Coogan E. Pellerin **Grade** 7 **Town** Bozrah

**Award** Middle School- Certificate, membership to CT Science Center given by CSF

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

**Project Title** The Effect of Salt on the Amount of Hydrogen Produced by the Electrolysis of Water

**Proj. No.** **5028**

**Student(s)** Sean J. Hackett **Grade** 7 **Town** Guilford

**Award** Middle School- Certificate, membership to CT Science Center given by CSF

**School** **Talcott Mountain Academy** **Avon** **Mrs. Bauer**

**Project Title** The Mathematics of Card Counting

**Proj. No.** **5513**

**Student(s)** Brendan Forbes **Grade** 8 **Town** Granby

**Otero Family Award**

<b>Award</b>	The Otero Family Award; \$200 cash		
<b>School</b>	Amity Regional High School	Woodbridge	Ms. Deborah Day
<b>Project Title</b>	Interactions Between Robot, Adult, and Child in the Task of Secret-Telling		
<b>Proj. No.</b>	3056		
<b>Student(s)</b>	Jenny J. Liu	Grade 12	Town Orange

**ProConn Power Inc. Award for Sustainable Electrical Energy Research**

<b>Award</b>	\$250 for Excellence in Sustainable Electrical Energy Research		
<b>School</b>	East Catholic High School	Manchester	Ms. Noble
<b>Project Title</b>	Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine		
<b>Proj. No.</b>	6072		
<b>Student(s)</b>	Bridget M. Oei	Grade 9	Town Hebron

**Project Oceanology**

<b>Award</b>	Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt		
<b>School</b>	Southern Connecticut Hebrew Academy	Orange	Mrs. Karen Howell
<b>Project Title</b>	Quantitative Analysis of Hypoxia and Its' Causes in Long Island Sound's Estuary		
<b>Proj. No.</b>	2521		
<b>Student(s)</b>	Boruch S. Hecht	Grade 8	Town Norwalk

<b>Award</b>	Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt		
<b>School</b>	New Milford High School	New Milford	Ms. Langrebe
<b>Project Title</b>	How Macroinvertebrates in Tributaries of the Housatonic River Relate to Pollution		
<b>Proj. No.</b>	3087		
<b>Student(s)</b>	Erin Kersten	Grade 11	Town New Milford

**Randy Gibson Award for Earth Science Research**

<b>Award</b>	\$100 cash and plaque		
<b>School</b>	St. Thomas School	Southington	Mrs. Pelczar
<b>Project Title</b>	Well Depth and Contamination		
<b>Proj. No.</b>	5050		
<b>Student(s)</b>	Caleigh M. Waskowicz	Grade 7	Town Southington

**Ricoh Corporation/Society for Science & the Public**

<b>Award</b>	Certificate and membership to CT Science Center given by CSF		
<b>School</b>	St. Joseph School	Danbury	Mrs. Jennifer Page
<b>Project Title</b>	Outbreak! Predicting the modes and transmission rates of a human viral epidemic		
<b>Proj. No.</b>	2519		
<b>Student(s)</b>	Janine A. Kerr	Grade 8	Town Danbury

<b>Award</b>	Certificate and membership to CT Science Center given by CSF		
<b>School</b>	East Granby Middle School	East Granby	Mr. Paskewitz
<b>Project Title</b>	"Testing Eco-Friendly Plastics" How does the ingredients in a plastic affect it's biodegradability?		
<b>Proj. No.</b>	2537		
<b>Student(s)</b>	Sydney T. Geer	Grade 8	Town East Granby

**Schoepfer Award for Excellence in Local Aquatic Science**

<b>Award</b>	For excellence in a local water quality study, \$100 cash		
<b>School</b>	Southern Connecticut Hebrew Academy	Orange	Mrs. Karen Howell
<b>Project Title</b>	Quantitative Analysis of Hypoxia and Its' Causes in Long Island Sound's Estuary		
<b>Proj. No.</b>	2521		
<b>Student(s)</b>	Boruch S. Hecht	Grade 8	Town Norwalk

### Science Horizons Senior High Awards

<b>Award</b>	1st Place Senior High - \$1,000 & All Expense Paid to Compete at Intel ISEF		
<b>School</b>	Danbury High School	Danbury	Marsha Turek
<b>Project Title</b>	Biological Control of Ticks to Prevent Lyme Disease Using Entomopathogenic Nematodes		
<b>Proj. No.</b>	3024		
<b>Student(s)</b>	Ryan D. Kerr	Grade 10	Town Danbury

<b>Award</b>	1st Place Senior High - \$1,000 & All Expense Paid to Compete at Intel ISEF		
<b>School</b>	New Milford High School	New Milford	Ms. Reed
<b>Project Title</b>	Methicillin-Resistant Staphylococcus Aureus (MRSA) in New Milford High School		
<b>Proj. No.</b>	3050		
<b>Student(s)</b>	Toni Viola	Grade 11	Town New Milford

<b>Award</b>	Finalist - Senior High - \$100 & Medallion		
<b>School</b>	Bethel High School	Bethel	Mr. Raymond Turek
<b>Project Title</b>	Super Weed: Allelopathic Inhibition of Garlic Mustard (Alliaria Petiolata) on Germination and Growth of Native Zinnia Seeds		
<b>Proj. No.</b>	3043		
<b>Student(s)</b>	Julie M. Zeller	Grade 11	Town Bethel

<b>Award</b>	Finalist - Senior High - \$100 & Medallion		
<b>School</b>	New Milford High School	New Milford	Ms. Langrebe
<b>Project Title</b>	How Macroinvertebrates in Tributaries of the Housatonic River Relate to Pollution		
<b>Proj. No.</b>	3087		
<b>Student(s)</b>	Erin Kersten	Grade 11	Town New Milford

<b>Award</b>	Finalist - Senior High - \$100 & Medallion		
<b>School</b>	Bethel High School	Bethel	Ray Turek
<b>Project Title</b>	Can Bacteria Withstand the Power of UV Light?		
<b>Proj. No.</b>	6006		
<b>Student(s)</b>	Brian Michalka	Grade 11	Town Bethel

Award	Finalist - Senior High - \$100 & Medallion		
School	<b>New Milford High School</b>	<b>New Milford</b>	<b>Mr. Felten</b>
Project Title	What are the most desirable sources of mud for a microbial fuel cell?		
Proj. No.	<b>6060</b>		
Student(s)	Tara E. Larkin	Grade 11	Town New Milford

Award	Finalist - Senior High - \$100 & Medallion		
School	<b>Brewster High School</b>	<b>Brewster</b>	<b>Mr. Schmidt</b>
Project Title	Biomimetic Insulation: Inspired by the eastern tent caterpillar and white-tailed deer		
Proj. No.	<b>6075</b>		
Student(s)	Madeleine L. Skaller	Grade 12	Town Brewster

### Society for In Vitro Biology

Award	Certificate and membership to CT Science Center given by CSF		
School	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Mr. Bramante</b>
Project Title	Improved Antibacterial Wrapping Using Graphene Oxide Coated Paper		
Proj. No.	<b>3007</b>		
Student(s)	Warren Z. Bein	Grade 11	Town Riverside

Award	Certificate and membership to CT Science Center given by CSF		
School	<b>New Milford High School</b>	<b>New Milford</b>	<b>Ms. Reed</b>
Project Title	Methicillin-Resistant Staphylococcus Aureus (MRSA) in New Milford High School		
Proj. No.	<b>3050</b>		
Student(s)	Toni Viola	Grade 11	Town New Milford

### Society of Women Engineers - Hartford Section

Award	Scientific Calculator		
School	<b>Madina Academy</b>	<b>Windsor</b>	<b>Aisha Seyal</b>
Project Title	A novel water filtration and disinfection system designed using a salad spinner, dynamo and high intensity light emitting diodes (LED) for use in developing countries.		
Proj. No.	<b>5041</b>		
Student(s)	Sithy A. Mahamoon	Grade 7	Town Windsor

Award	Scientific Calculator		
School	Woodstock Middle School	Woodstock	Mrs. Carter
Project Title	What are the effects of pH and temperature on the efficiency of ethanol production from biomass?		
Proj. No.	5046		
Student(s)	Deanna L. Guilani	Grade 7	Town Woodstock Valley

Award	Scientific Calculator		
School	Bridgeport Aquaculture School	Bridgeport	Mr. Shadle
Project Title	A Model Diesel Spill and Its Impact on Biological Oxygen Demand		
Proj. No.	6013		
Student(s)	Taylor A. Sambrook	Grade 12	Town Trumbull

Award	Scientific Calculator		
School	Putnam Science Academy	Putnam	Fatih Cekic
Project Title	Improving the Efficiency of Robotic Arm Movement through Advanced Geometric Calculations		
Proj. No.	6014		
Student(s)	Serik Tukupov	Grade 10	Town Putnam

Award	Scientific Calculator		
School	East Catholic High School	Manchester	Ms. Noble
Project Title	Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine		
Proj. No.	6072		
Student(s)	Bridget M. Oei	Grade 9	Town Hebron

### Southeastern New England Marine Educators

Award	\$75 award and membership in SENEME - 1st Place Junior & T-Shirt		
School	Southern Connecticut Hebrew Academy	Orange	Mrs. Howell
Project Title	Effect of Bioremediation Nutrient Cultures on Degradation of Oil Spills, and Effect on Sand and Marsh Grass.		
Proj. No.	2509		
Student(s)	Chaim M. I. Hodakov	Grade 8	Town New Haven

<b>Award</b>	\$75 award and membership in SENEME - 1st Place Senior & T-Shirt		
<b>School</b>	East Catholic High School	Manchester	Ms. Holly Noble
<b>Project Title</b>	Development of a Composite Clay Polymer Sponge for Remediation of Oil Contaminated Water.		
<b>Proj. No.</b>	6050		
<b>Student(s)</b>	Theresa A. Oei	Grade 12	Town Hebron

### Sr. Mary Christine Life Sciences Award

<b>Award</b>	\$100 and plaque for excellence in the life sciences by a middle school project		
<b>School</b>	Sacred Heart School	New Britain	Dr. Michael Davis
<b>Project Title</b>	Bacteria in a Bag		
<b>Proj. No.</b>	2527		
<b>Student(s)</b>	Simone T. Jaros	Grade 8	Town New Britain

### Stanley Lessoff Award for Excellence In Analytical Technique

<b>Award</b>	\$200 Cash and Plaque		
<b>School</b>	Classical Magnet School	Hartford	Thomas Holloway
<b>Project Title</b>	Green Your PC		
<b>Proj. No.</b>	6508		
<b>Student(s)</b>	Haley B. Troy	Grade 11	Town Manchester
	Jordan S. Kunzika	Grade 11	Town Hartford

### Stockholm Junior Water Prize

<b>Award</b>	Certificate, Letter, member ship to CT Science Center given by CSF, possible advance to further competition		
<b>School</b>	Putnam Science Academy	Putnam	Serdar Haytiyev
<b>Project Title</b>	Using Citrus Fruit Peels as Environmentally Friendly and Low Cost Bio-Sorbents to Effectively Remove Phenol from Industrial Wastewater		
<b>Proj. No.</b>	6516		
<b>Student(s)</b>	Yusuf Yilmaz	Grade 12	Town Putnam
	Fadil A. Sencan	Grade 12	Town Putnam
	Abdurrahman Cam	Grade 12	Town Putnam

<b>Award</b>	Certificate, Letter, membership to CT Science Center given by CSF, possible advance to further competition		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Electrified Nanoscale Architecture in Mixed Matrix Membranes as a Means of Rapid Throughput Water Sterilization		
<b>Proj. No.</b>	<b>6040</b>		
<b>Student(s)</b>	Will B. Hallisey	<b>Grade 11</b>	<b>Town Greenwich</b>

### Talcott Mountain Science Center

<b>Award</b>	Talcott Mountain Scholarship		
<b>School</b>	<b>Eastern Middle School</b>	<b>Greenwich/Riverside</b>	<b>Brian Carstens</b>
<b>Project Title</b>	A Cost-Effective, Eco-Friendly Weather Monitoring UAV.		
<b>Proj. No.</b>	<b>5009</b>		
<b>Student(s)</b>	Paul J. Hansel	<b>Grade 7</b>	<b>Town Old Greenwich</b>

<b>Award</b>	Talcott Mountain Scholarship		
<b>School</b>	<b>Madina Academy</b>	<b>Windsor</b>	<b>Mehwish Amin</b>
<b>Project Title</b>	A Novel Approach to Oil Spill Cleanup: Wood Chips		
<b>Proj. No.</b>	<b>2002</b>		
<b>Student(s)</b>	Sofija Gjonbalaj	<b>Grade 7</b>	<b>Town Manchester</b>

### The Arthur Mensing Award

<b>Award</b>	\$500 cash award for excellence in the physical sciences		
<b>School</b>	<b>East Catholic High School</b>	<b>Manchester</b>	<b>Ms. Noble</b>
<b>Project Title</b>	Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine		
<b>Proj. No.</b>	<b>6072</b>		
<b>Student(s)</b>	Bridget M. Oei	<b>Grade 9</b>	<b>Town Hebron</b>



**The Children’s Museum**

Award	1 family plus membership to the Children’s Museum		
School	Solomon Schechter Day School	West Hartford	Barbra Varnum
Project Title	The Hidden Dangers of Cell Phone Radiation		
Proj. No.	2012		
Student(s)	Benjamin T. Rosenblatt	Grade 7	Town Glastonbury

**The Goodwin-Niering Center**

Award	\$100 for “Excellence in Environmental Conservation Studies”		
School	Choate Rosemary Hall	Wallingford	Lawrence Stowe
Project Title	Biodegradation of Polylactide Nanoweb Electrospun for Freshwater Harmful Algal Bloom Removal		
Proj. No.	3066		
Student(s)	Joshua S. Kim	Grade 11	Town Wallingford

**The Howard Lessoff Award for Excellence in Physical Science Research**

Award	\$100 check		
School	Fields Memorial School	Bozrah	Mrs. Brown
Project Title	Rocket Science		
Proj. No.	5008		
Student(s)	Jack A. Santo	Grade 7	Town Bozrah

**U.S. Air Force**

Award	Certificate,charging stand, backpack, flash jotter bundle set		
School	Madina Academy	Windsor	Mehwish Amin
Project Title	The Effect of pH on the Electrical Output of a Microbial Fuel Cell		
Proj. No.	2501		
Student(s)	Aasiya M. Ahmed	Grade 8	Town Tolland

Award	Certificate,charging stand, backpack, flash jotter bundle set		
School	St. Joseph School	Danbury	Mrs. Jennifer Page
Project Title	Outbreak! Predicting the modes and transmission rates of a human viral epidemic		
Proj. No.	2519		
Student(s)	Janine A. Kerr	Grade 8	Town Danbury

<b>Award</b>	Certificate,charging stand, backpack, flash jotter bundle set		
<b>School</b>	<b>Independent Day School</b>	<b>Middlefield</b>	<b>Charlotte Stutz</b>
<b>Project Title</b>	Does the amount of weight placed on a hovercraft determine the distance it will travel?		
<b>Proj. No.</b>	<b>5504</b>		
<b>Student(s)</b>	Insia Naqvi	<b>Grade 8</b>	<b>Town</b> Middletown

<b>Award</b>	Certificate,charging stand, backpack, flash jotter bundle set		
<b>School</b>	<b>East Ridge Middle School</b>	<b>Ridgefield</b>	<b>David Bozzuto</b>
<b>Project Title</b>	Stealthy Shapes		
<b>Proj. No.</b>	<b>5506</b>		
<b>Student(s)</b>	Ryan M. McSpedon	<b>Grade 8</b>	<b>Town</b> Ridgefield

<b>Award</b>	Certificate,charging stand, backpack, flash jotter bundle set		
<b>School</b>	<b>Staples High School</b>	<b>Westport</b>	<b>Dr. Morgan</b>
<b>Project Title</b>	The Evaluation, Design & Application of a Military Class Gunship Subsequent Analysis of United States Air Force Fleet		
<b>Proj. No.</b>	<b>6010</b>		
<b>Student(s)</b>	Brandon L. Edelson	<b>Grade 12</b>	<b>Town</b> Westport

<b>Award</b>	Certificate,charging stand, backpack, flash jotter bundle set		
<b>School</b>	<b>St. Gregory the Great School</b>	<b>Danbury</b>	<b>Mrs. Ferry</b>
<b>Project Title</b>	Motor Oil Madness		
<b>Proj. No.</b>	<b>4007</b>		
<b>Student(s)</b>	John F. Cerrone	<b>Grade 7</b>	<b>Town</b> Danbury
	Griffin M. Henley	<b>Grade 7</b>	<b>Town</b> Danbury

### U.S. Army

<b>Award</b>	Certificate and \$50 savings bond		
<b>School</b>	<b>Joel Barlow High School</b>	<b>Redding</b>	<b>Dr. Katherine Nuzzo</b>
<b>Project Title</b>	Efficacy of Solar Disinfection Using Artificial Sunlight Versus a Composite of Infrared, Ultraviolet, and Visible Light		
<b>Proj. No.</b>	<b>3008</b>		
<b>Student(s)</b>	Caroline Caglioni	<b>Grade 12</b>	<b>Town</b> Redding

Award	Certificate and \$50 savings bond		
School	Staples High School	Westport	Dr. Nicholas Morgan
Project Title	Computational Investigation of Astrophysical Nuclear Reaction Rate Dominance		
Proj. No.	6039		
Student(s)	Rachel A. Myers	Grade 12	Town Westport

Award	Certificate and \$50 savings bond		
School	Oxford High School	Oxford	Mrs. Doherty
Project Title	Design and Testing of Two-step Arsenic - remediating water filtration system (year two)		
Proj. No.	6048		
Student(s)	Joseph A. Bonavita Jr	Grade 12	Town Oxford

Award	Certificate and \$50 savings bond		
School	Staples High School	Westport	Dr. Nick Morgan
Project Title	Modeling an Optimal Receiver for a Binary Quantum Channel Using Information Theory		
Proj. No.	6074		
Student(s)	Yuri D. Lenskiy	Grade 12	Town Westport

Award	Silver medallion & Certificate & \$100 savings bond		
School	Sacred Heart Academy	Hamden	Sr. Mary Jane Paoella
Project Title	The Effect of Escherichia Coli in the Female Genital Tract		
Proj. No.	3053		
Student(s)	Amanda P. Kelly	Grade 12	Town Shelton

### U.S. Metric Association

Award	Certificate & membership to CT Science Center given by CSF		
School	Guilford High School	Guilford	John Cuddy
Project Title	Water Treatment Residual Solids: The New "Miracle Grow"?		
Proj. No.	3004		
Student(s)	Taylor N. Hudak	Grade 9	Town Guilford

<b>Award</b>	Certificate & membership to CT Science Center given by CSF		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Mr. Andrew Bramante</b>
<b>Project Title</b>	Visible Illumination of Ferroelectric BiFeO <sub>3</sub> Thin Films to Produce a Polarization-Dependent Bulk Photovoltaic Effect		
<b>Proj. No.</b>	<b>6054</b>		
<b>Student(s)</b>	James P. O'Sullivan	<b>Grade</b> 11	<b>Town</b> Old Greenwich

### University of Connecticut - Physics Department

<b>Award</b>	Physics Department UCONN Co-Op \$75 Gift Certificate		
<b>School</b>	<b>East Catholic High School</b>	<b>Manchester</b>	<b>Ms. Noble</b>
<b>Project Title</b>	Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine		
<b>Proj. No.</b>	<b>6072</b>		
<b>Student(s)</b>	Bridget M. Oei	<b>Grade</b> 9	<b>Town</b> Hebron

<b>Award</b>	UCONN Early College Experience Program: Life Sciences - \$200 U.S. Savings Bond		
<b>School</b>	<b>Sacred Heart Academy</b>	<b>Hamden</b>	<b>Mrs. Frances Saukas</b>
<b>Project Title</b>	A Comparative Study of Herbs Grown Using an Aquaponic vs. a Hydroponic Growing System		
<b>Proj. No.</b>	<b>3079</b>		
<b>Student(s)</b>	Olivia N. Kelly	<b>Grade</b> 9	<b>Town</b> Shelton

<b>Award</b>	UCONN Early College Experience Program: Physical Sciences - \$200 U.S. Savings Bond		
<b>School</b>	<b>East Catholic High School</b>	<b>Manchester</b>	<b>Ms. Holly Noble</b>
<b>Project Title</b>	Development of a Composite Clay Polymer Sponge for Remediation of Oil Contaminated Water.		
<b>Proj. No.</b>	<b>6050</b>		
<b>Student(s)</b>	Theresa A. Oei	<b>Grade</b> 12	<b>Town</b> Hebron

### Westinghouse Electric Company/New England Chapter of North American Young

<b>Award</b>	1st place, Excellence in Energy Research, \$100 cash award		
<b>School</b>	<b>Staples High School</b>	<b>Westport</b>	<b>Dr. Nicholas Morgan</b>
<b>Project Title</b>	Evaluation of Venting-to-Coolant in Sodium-Cooled Fast Neutron Reactors		
<b>Proj. No.</b>	<b>6064</b>		
<b>Student(s)</b>	Tessa D. Green	<b>Grade</b> 12	<b>Town</b> Westport

**Wilfred A. Müller Award**

Award	\$150 cash award for creative use of mathematics		
School	Sacred Heart School	New Britain	Mrs. Wasielewski
Project Title	Vortices and Density		
Proj. No.	5509		
Student(s)	Nadrina M. Ebrahimi	Grade 8	Town New Britain

**Wisner Award**

Award	\$250 cash and plaque		
School	Smith Middle School	Glastonbury	Mr. Steve Falcigno
Project Title	A Study of the Voltage Characteristics of Electrolytic Rectifiers		
Proj. No.	5043		
Student(s)	Paul J. Han	Grade 7	Town Glastonbury

**Yale Chapter of Sigma Xi, The Scientific Research Society**

Award	Dinner at Mory's for four - with members of Yale Chapter of Sigma Xi		
School	East Catholic High School	Manchester	Ms. Noble
Project Title	Applying the Principles of the Tesla Engine to Design and Construct a Prototype of a Bladeless Wind Turbine		
Proj. No.	6072		
Student(s)	Bridget M. Oei	Grade 9	Town Hebron

**Yale Peabody Museum**

Award	Family "six pack" of free passes to the Yale Peabody Museum		
School	Lee H. Kellogg School	Falls Village	Joseph Markow
Project Title	The Density of Air Pores on Egg Shells		
Proj. No.	2529		
Student(s)	Hayley I. Kozlowski	Grade 8	Town Falls Village

Award	Family "six pack" of free passes to the Yale Peabody Museum		
School	Our Lady of the Assumption/Holy Family	Fairfield	Kathy Almeida
Project Title	Do Certain Colors Affect the Rate of Convergent Lady Bug Activity?		
Proj. No.	2534		
Student(s)	Michael N. Arias	Grade 8	Town Bridgeport

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	Bridgeport Hope School	Bridgeport	Elizabeth Deshotel
<b>Project Title</b>	Rainforest		
<b>Proj. No.</b>	1010		
<b>Student(s)</b>	Shannon M. Gill	Grade 8	Town Bridgeport
	Gean M. Bernard	Grade 7	Town Bridgeport

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	Talcott Mountain Academy	Avon	Mr. Pellino
<b>Project Title</b>	How Humidity Affects Fungal Growth		
<b>Proj. No.</b>	2001		
<b>Student(s)</b>	Gwynne T. Domashinski	Grade 7	Town Suffield

<b>Award</b>	One year family membership to the Yale Peabody Museum		
<b>School</b>	Darien High School	Darien	Mr. David Lewis
<b>Project Title</b>	A Study of Egg Fertility Rate in Leatherback Sea Turtle Clutches Over the Nesting Season (March-June) at the Pacuare Reserve, Costa Rica		
<b>Proj. No.</b>	3041		
<b>Student(s)</b>	Dana E. Howe	Grade 12	Town Darien

<b>Award</b>	One year family membership to the Yale Peabody Museum		
<b>School</b>	Glastonbury High School	Glastonbury	Ms. Pintavalle
<b>Project Title</b>	Convergent song evolution between two allopatric green lacewing species, <i>C. "emerald"</i> and <i>C. pallida</i>		
<b>Proj. No.</b>	3052		
<b>Student(s)</b>	John D. Foster	Grade 12	Town Glastonbury

<b>Award</b>	One-Year Family Membership to the Yale Peabody Museum		
<b>School</b>	Greens Farms Academy	Greens Farms	Sara Campolettano
<b>Project Title</b>	The Investigation of the Biological Health of the New Creek Salt Marsh through Water Quality Testing and Species Identification of Benthic Invertebrates		
<b>Proj. No.</b>	3001		
<b>Student(s)</b>	Allison C. Kruk	Grade 12	Town Easton

<b>Award</b>	One-Year Family Membership to the Yale Peabody Museum		
<b>School</b>	Fishers Island School	Fishers Island	Carol Giles
<b>Project Title</b>	The Effect of Temperature on Ocean Organisms		
<b>Proj. No.</b>	3035		
<b>Student(s)</b>	Samantha Grader	Grade 11	Town Groton

Yale Science & Engineering Association, Inc.

Award	Certificate, Medallion, membership to CT Science Center given by CSF		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Solid State Thermoelectric Power Generation Using Strategic Household Placement		
Proj. No.	6020		
Student(s)	Carl O. Akerman	Grade 11	Town Greenwich

Award	Certificate, Medallion, membership to CT Science Center given by CSF		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Statistical machine translation with syntactic weighting of target-language translation probabilities		
Proj. No.	6090		
Student(s)	Connor M. Harris	Grade 11	Town Riverside