



**Conn. Science & Engineering Fair**  
**Quinnipiac University**  
**March 10 - 14, 2015**

*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	<b>Southern CT Hebrew Academy</b>	<b>Orange</b>	<b>Karen Howell</b>
Project Title	Analysis of Increased CO2 levels in Ocean water and Effect on Crustaceans' and Bivalves' Growth		
Proj. No.	<b>2511</b>		
Student(s)	Adina Katz	Grade 8	Town New Haven

Award	\$100 Junior, Environmental Research, waste recycling related		
School	<b>Engineering &amp; Science University Magnet</b>	<b>New Haven</b>	<b>Roger Rushworth</b>
Project Title	Optimizing Methane Oxidation by Methanotrophs Through the Engineering Application of Different Environments		
Proj. No.	<b>2535</b>		
Student(s)	Jacob Feuerstein	Grade 8	Town Woodbridge

Award	\$100 Senior, Environmental Research, air pollution related		
School	<b>Staples High School</b>	<b>Westport</b>	<b>Dr. Morse</b>
Project Title	Chemical Looping Combustion: A Zero CO2 Footprint Energy Conversion Process		
Proj. No.	<b>6013</b>		
Student(s)	Rees Chang	Grade 11	Town Westport

Award	\$100 Senior, Environmental Research, waste recycling related		
School	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andy Bramante</b>
Project Title	Effective Optimization of Biogas Production through Alpha-Amylase Utilization		
Proj. No.	<b>3020</b>		
Student(s)	Bryce Anderson	Grade 11	Town Cos Cob

**Alumni Botany Awards**

<b>Award</b>	Alumni High School Botany Award- \$100 Cash		
<b>School</b>	Science & Technology Magnet HS of SE CT	New London	Charles Mulligan
<b>Project Title</b>	The Effects of Different Environments on the Germination of Radish Seeds		
<b>Proj. No.</b>	3108		
<b>Student(s)</b>	Samantha Sprecace	Grade 10	Town New London

<b>Award</b>	Alumni Middle School Botany Award- \$100 Cash		
<b>School</b>	Southern CT Hebrew Academy	Orange	Karen Howell
<b>Project Title</b>	Effects of different levels of electromagnetic fields on a variety of grasses and their nutrient content		
<b>Proj. No.</b>	2516		
<b>Student(s)</b>	Ariella Snyder	Grade 8	Town West Hartford

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

<b>Award</b>	\$200 award, certificate		
<b>School</b>	Fields Memorial School	Bozrah	Mrs. E. Brown
<b>Project Title</b>	Which Variables Affect The Flight Of A Rocket?		
<b>Proj. No.</b>	5023		
<b>Student(s)</b>	Brendan Toth	Grade 7	Town Bozrah

<b>Award</b>	\$200 award, certificate		
<b>School</b>	Putnam Science Academy	Putnam	Serdar Haytiyev
<b>Project Title</b>	Designing a High Efficiency and Low Cost Wind Turbines bu Utilizing Organic Solar Panels made from Rosa Canina		
<b>Proj. No.</b>	6503		
<b>Student(s)</b>	Cagri Aytakin	Grade 12	Town Putnam
	Furkan Sahin	Grade 10	Town Putnam
	Furkan Aldemir	Grade 11	Town Putnam

### American Meteorological Society

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	Southern CT Hebrew Academy	Orange	Karen Howell
<b>Project Title</b>	Analysis of Increased CO2 levels in Ocean water and Effect on Crustaceans' and Bivalves' Growth		
<b>Proj. No.</b>	2511		
<b>Student(s)</b>	Adina Katz	Grade 8	Town New Haven

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	Hamden Middle School	Hamden	Andrew Marzano
<b>Project Title</b>	Wind Power: How the Shape of the Blade Affects the amount of Power Produced.		
<b>Proj. No.</b>	4023		
<b>Student(s)</b>	Ingrid Schwarz	Grade 8	Town Hamden
	Quennie Callanta	Grade 8	Town Hamden

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	St. Rose of Lima School	Newtown	Mrs. Marde Dimon
<b>Project Title</b>	The Effect of Water Depth and Beach Surface on the Onshore Height of a Tsunami		
<b>Proj. No.</b>	5016		
<b>Student(s)</b>	Hunter Kirkman	Grade 7	Town Sandy Hook

### American Psychological Association

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Solomon Schechter Day School	West Hartford	Sue Prihar
<b>Project Title</b>	Music and Memory		
<b>Proj. No.</b>	2016		
<b>Student(s)</b>	Ariel Gordon	Grade 7	Town Woodbridge

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	St. Michael School	Pawcatuck	Michael DeNoia
<b>Project Title</b>	Effects of Mnemonic Methods on Memory		
<b>Proj. No.</b>	2520		
<b>Student(s)</b>	Kyle Rimmert	Grade 8	Town Pawcatuck

### American Society for Metals - Hartford Chapter

Award	\$100 Check		
School	Southern CT Hebrew Academy	Orange	Karen Howell
Project Title	Analysis of Safer Electroplating Metals and Electrolyte solutions with their Environmental Impact		
Proj. No.	4003		
Student(s)	Meira Shleifer	Grade 8	Town Waterbury
	Zahava Klein	Grade 8	Town New Haven

Award	\$100 Check		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Measurement of Tensile Strength of Various Wet & Dry Woods		
Proj. No.	5515		
Student(s)	Abigail Tracy	Grade 8	Town Gilman

Award	\$100 Check		
School	Independent - Simsbury High School	Simsbury	Danny Martins
Project Title	The Effects of Thickness of Steel, Ball Bearing Size, and Drop Height of Ball Bearing During Dent Resistance Testing on Galvanized Steel versus Aluminum-Alloy.		
Proj. No.	6004		
Student(s)	Rachel Baumann	Grade 10	Town West Simsbury

Award	\$50 Check		
School	Central Middle School	Greenwich	Ms. Bresler
Project Title	Substitution of Metals in a Salt-Water Engine to Increase Energy-Efficiency		
Proj. No.	5514		
Student(s)	Bennett Hawley	Grade 8	Town Cos Cob

Award	\$50 Check		
School	Newtown Middle School	Newtown	Mrs. Andracchi
Project Title	The Universal Soccer Shoe		
Proj. No.	5565		
Student(s)	Miles Martiska	Grade 8	Town Newtown

### American Society for Quality - Thames Valley Section

<b>Award</b>	\$250 Cash Award		
<b>School</b>	Fields Memorial School	Bozrah	Mrs. E. Brown
<b>Project Title</b>	Which Variables Affect The Flight Of A Rocket?		
<b>Proj. No.</b>	5023		
<b>Student(s)</b>	Brendan Toth	Grade 7	Town Bozrah

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

<b>Award</b>	\$100 grade 7-8 project		
<b>School</b>	Amity Reg Middle School, Bethany Campus	Bethany	Kevin Berean
<b>Project Title</b>	The Sensing Cane		
<b>Proj. No.</b>	4017		
<b>Student(s)</b>	Kate Yuan	Grade 8	Town Woodbridge
	Catalina Betancur	Grade 8	Town Woodbridge

<b>Award</b>	\$100 grade 7-8 project		
<b>School</b>	Park City Prep Charter School	Bridgeport	Vicky Boudreau
<b>Project Title</b>	BOBS (Baby on Board) System		
<b>Proj. No.</b>	5001		
<b>Student(s)</b>	Johann Warren	Grade 7	Town Bridgeport

<b>Award</b>	\$100 grade 7-8 project		
<b>School</b>	Christian Heritage School	Trumbull	Mrs. Oshin
<b>Project Title</b>	The Effect of Using Foam to Create a More Sophisticated Highway Barrier on Lessening the Spike of G-forces During an Impact		
<b>Proj. No.</b>	5509		
<b>Student(s)</b>	Daniel Colgate	Grade 8	Town Bridgeport

<b>Award</b>	\$150 grade 9-12 project		
<b>School</b>	Oxford High School	Oxford	Mrs. Scheuerk
<b>Project Title</b>	Ultraviolet Bacterial Eradication Using Low Cost Light Emitting Diodes		
<b>Proj. No.</b>	3130		
<b>Student(s)</b>	Tyler Fallas	Grade 12	Town Oxford

Award	\$150 grade 9-12 project		
School	Greenwich High School	Greenwich	Mr. Andrew Bramante
Project Title	An Optically Self-Healing Metallo-Supramolecular Polymer Encapsulated UV-NIR Organic Solar Cell for Transparent Energy-Harvesting and Electronic Skin Applications		
Proj. No.	6005		
Student(s)	Maxmillian Minichetti	Grade 12	Town Greenwich

Award	\$150 grade 9-12 project		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Efficient Soundproofing: Design of a System using Multiple Technologies		
Proj. No.	6067		
Student(s)	Tucker Calcano	Grade 10	Town Greenwich

### Arthur Mensing Award

Award	\$1000 cash award for excellence in the physical sciences		
School	The Gunnery	Washington	Steven Bailey
Project Title	A Novel Solar Powered Photobioreactor Design for Waste Water Treatment and Producing Biofuel From Micro-Algae		
Proj. No.	6077		
Student(s)	Grace Herrick	Grade 10	Town Sandy Hook

### ASM Materials Education Foundation

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Measurement of Tensile Strength of Various Wet & Dry Woods		
Proj. No.	5515		
Student(s)	Abigail Tracy	Grade 8	Town Gilman

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	St. Gabriel School	Milford	Campbell
Project Title	Which Bridge Design Is Best?		
Proj. No.	5051		
Student(s)	Griffin Congdon	Grade 7	Town Milford

**Association for Women Geoscientists**

<b>Award</b>	Certificate & \$50 gift card to Amazon given by CSEF		
<b>School</b>	Lee H. Kellogg School	Falls Village	Joseph Markow
<b>Project Title</b>	Effectiveness of Fertilizer Application Techniques in Reducing Fertilizer Runoff and Pollution		
<b>Proj. No.</b>	5040		
<b>Student(s)</b>	Jenna Luz	Grade 7	Town Falls Village

<b>Award</b>	Certificate & \$50 girt card to Amazon given by CSEF		
<b>School</b>	J.F. Kennedy Middle School	Plantsville	Mrs. Pepin
<b>Project Title</b>	Burning Biofuels: An Alternate Form of Energy		
<b>Proj. No.</b>	5517		
<b>Student(s)</b>	Mary Bilodeau	Grade 8	Town Plantsville

**Astronomical Society of Greater Hartford**

<b>Award</b>	Senior Project-\$100, subscription to Sky and Telescope magazine and ASGH meeting invitation		
<b>School</b>	Staples High School	Westport	Dr. Nick Morgan
<b>Project Title</b>	Smoking Gun in the Milky Way Galaxy: Open Clusters and Dwarf Galaxies		
<b>Proj. No.</b>	6091		
<b>Student(s)</b>	Xiaotian Zhang	Grade 11	Town Westport

<b>Award</b>	Senior Project-\$150, subscription to Sky and Telescope magazine and ASGH meeting invitation		
<b>School</b>	Staples High School	Westport	Dr. Nicholas D. Morgan
<b>Project Title</b>	The Derivation of Habitable Zones around Binary Star Systems: Is Planetary Stability Possible?		
<b>Proj. No.</b>	6053		
<b>Student(s)</b>	Leo Andriuk	Grade 12	Town Westport

### ASU Walton Sustainability Solutions Initiatives

<b>Award</b>	Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card		
<b>School</b>	Putnam Science Academy	Putnam	Owen Quantick
<b>Project Title</b>	Effect of Brine Concentration on Wettability on Atomistically Smooth Surfaces		
<b>Proj. No.</b>	3024		
<b>Student(s)</b>	Hacibey Catalbasoglu	Grade 12	Town Putnam

<b>Award</b>	Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Targeted Release of Moringa oleifera Cationic Proteins from Starch-g-poly (sodium acrylate-co-HEMA) Hydrogels for the Remediation of Aqueous Polychlorinated Biphenyls		
<b>Proj. No.</b>	3049		
<b>Student(s)</b>	Vijay Kadiyala	Grade 11	Town Old Greenwich

<b>Award</b>	Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card		
<b>School</b>	Glastonbury High School	Glastonbury	Ms. Pintavalle
<b>Project Title</b>	Financially Superior Energy Source for Subterranean Inhabitants		
<b>Proj. No.</b>	6027		
<b>Student(s)</b>	Ashley Gartland	Grade 11	Town Glastonbury

<b>Award</b>	Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card		
<b>School</b>	Bridgeport Regional Aquaculture School	Bridgeport	Mr. Shadle
<b>Project Title</b>	Biochar Electrodes Incorporated with Cuprous Oxide Substrates to Optimize Solar Cells' Efficiency		
<b>Proj. No.</b>	6066		
<b>Student(s)</b>	Nicolas Santandrea	Grade 12	Town Fairfield

### Banning Family Life Science Award

<b>Award</b>	For excellence in invasive species research, \$100 cash		
<b>School</b>	Convent of the Sacred Heart	Greenwich	Mary Musolino
<b>Project Title</b>	DNA Barcoding of Invasive Species on a Suburban Campus		
<b>Proj. No.</b>	3517		
<b>Student(s)</b>	Madeline Henrie	Grade 11	Town Stamford
	Katherine Siciliano	Grade 11	Town Stamford
	Lillian Pura	Grade 11	Town Greenwich



**Barker Mohandas Award for Transportation Research**

<b>Award</b>	\$100 Cash & Plaque for Excellence in Transportation Related Research- Middle School		
<b>School</b>	St. Timothy Middle School	West Hartford	Mrs. Christina Simao-Breen
<b>Project Title</b>	Electromagnetic Energy and Innovative Applications		
<b>Proj. No.</b>	5056		
<b>Student(s)</b>	Steven Liu	Grade 7	Town West Hartford

<b>Award</b>	\$200 Cash & Plaque for Excellence in Transportation Related Research- High School		
<b>School</b>	Salisbury School	Salisbury	Tobias Ayer
<b>Project Title</b>	The physics of the space elevator construction.		
<b>Proj. No.</b>	6014		
<b>Student(s)</b>	Kyungmin Lee	Grade 11	Town Salisbury

**Biophysical Society**

<b>Award</b>	Biophysics Award- \$100		
<b>School</b>	Glastonbury High School	Glastonbury	Diane Pintavalle
<b>Project Title</b>	Preparation and Comparison of EGCG-Loaded PLGA and Cellulose Acetate Microparticles for Osteoarthritis Treatment		
<b>Proj. No.</b>	3054		
<b>Student(s)</b>	Anubhuti Mathur	Grade 12	Town Glastonbury

**Bob Harris Fix It Award**

<b>Award</b>	\$100 and Certificate for ingenuity in using material and tools		
<b>School</b>	Park City Prep Charter School	Bridgeport	Vicky Boudreau
<b>Project Title</b>	BOBS (Baby on Board) System		
<b>Proj. No.</b>	5001		
<b>Student(s)</b>	Johann Warren	Grade 7	Town Bridgeport

### Cell Analysis and Modeling Award - Center for Cell Analysis and Modeling at

<b>Award</b>	\$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center		
<b>School</b>	Cheshire High School	Cheshire	Casey King
<b>Project Title</b>	Development of a Prescient Warning Model for Cholera Utilizing an Epdemiological Identification of Risk Factors		
<b>Proj. No.</b>	3072		
<b>Student(s)</b>	Shangda Xu	Grade 11	Town Cheshire

<b>Award</b>	\$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center		
<b>School</b>	Choate Rosemary Hall	Wallingford	Rachel Gritzer
<b>Project Title</b>	The Effect of Brain-Derived Neurotrophic Factor on Retinoic Acid Differentiated SH-SY5Y Cells: A Model for Striatal-Enriched Protein Tyrosine Phosphatase in Parkinson's Disease		
<b>Proj. No.</b>	3112		
<b>Student(s)</b>	Archeta Rajagopalan	Grade 12	Town Glastonbury

### 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>	Suffield High School	Suffield	Mr. Mitchell Charkiewicz
<b>Project Title</b>	Energy Transfer Using Laser Power Beaming		
<b>Proj. No.</b>	6075		
<b>Student(s)</b>	Joseph Howarth	Grade 11	Town Suffield

### Connecticut Academy of Audiology

<b>Award</b>	\$150 Cash Award High School- For Excellence in Audiology and Acoustics		
<b>School</b>	Darien High School	Darien	David Lewis
<b>Project Title</b>	Ambiguous Beats: Using EEG to measure how movement influences rhythmic processing in young infants		
<b>Proj. No.</b>	3134		
<b>Student(s)</b>	Sonia Gandhi	Grade 12	Town Darien

<b>Award</b>	\$150 Cash Award Middle School- For Excellence in Audiology and Acoustics		
<b>School</b>	Smith Middle School	Glastonbury	Mary Coburn
<b>Project Title</b>	Sound Barriers: How does the type of material affect the amount of sound that carries through a surface?		
<b>Proj. No.</b>	5029		
<b>Student(s)</b>	Arjun Ahilan	Grade 7	Town Glastonbury

### Connecticut Architecture Foundation

<b>Award</b>	\$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.		
<b>School</b>	J.F. Kennedy Middle School	Plantsville	Mr Cipollini
<b>Project Title</b>	Structure Vs Nature: The Effect of Landslide Duration on Different House Structures		
<b>Proj. No.</b>	4026		
<b>Student(s)</b>	Mia Langston	Grade 8	Town Southington
	Abigail Lo Presti	Grade 8	Town Plantsville

<b>Award</b>	\$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.		
<b>School</b>	Glastonbury High School	Glastonbury	Ms. Pintavalle
<b>Project Title</b>	Financially Superior Energy Source for Subterranean Inhabitants		
<b>Proj. No.</b>	6027		
<b>Student(s)</b>	Ashley Gartland	Grade 11	Town Glastonbury

### Connecticut Association for the Gifted

<b>Award</b>	Leonardo Davinci 7-8 Grade \$50 Gift Certificate		
<b>School</b>	Fields Memorial School	Bozrah	Evelyn Brown
<b>Project Title</b>	Music Metrics and Fractals: Analyzing Different Genres of Digitized Music to Identify Input Metrics for Programming Fractal Representations of the Music with Mathematica		
<b>Proj. No.</b>	5507		
<b>Student(s)</b>	Genevieve Buckridge	Grade 8	Town Bozrah

<b>Award</b>	Leonardo Davinci 9-12 Grade \$50 Gift Certificate		
<b>School</b>	Putnam Science Academy	Putnam	Serdar Haytiyev
<b>Project Title</b>	Designing a Braille E-Book For the Visually Impaired and Blind People		
<b>Proj. No.</b>	6071		
<b>Student(s)</b>	Abdulkadir Yilmaz	Grade 11	Town Putnam

### Connecticut Association of Physics Teachers

<b>Award</b>	\$100 Senior project		
<b>School</b>	Ridgefield High School	Ridgefield	Patrick Hughes
<b>Project Title</b>	The Effect of Different Checkerboard Sizes on Steady State Visually Evoked Potentials		
<b>Proj. No.</b>	6047		
<b>Student(s)</b>	Randy Deng	Grade 12	Town Ridgefield

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

<b>Award</b>	\$150 and certificate, Junior Physics & teeshirt		
<b>School</b>	St. Rose of Lima School	Newtown	Mrs. Marde Dimon
<b>Project Title</b>	The Effect of Water Depth and Beach Surface on the Onshore Height of a Tsunami		
<b>Proj. No.</b>	5016		
<b>Student(s)</b>	Hunter Kirkman	Grade 7	Town Sandy Hook

<b>Award</b>	\$150 and certificate, Senior Physics & teeshirt		
<b>School</b>	Staples High School	Westport	Dr. Nicholas D. Morgan
<b>Project Title</b>	The Derivation of Habitable Zones around Binary Star Systems: Is Planetary Stability Possible?		
<b>Proj. No.</b>	6053		
<b>Student(s)</b>	Leo Andriuk	Grade 12	Town Westport

### Connecticut Invention Convention "Next Step Inventors"

<b>Award</b>	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
<b>School</b>	Greenwich High School	Greenwich	Andy Bramante
<b>Project Title</b>	Temperature-Independent, Portable, and Rapid Field Detection of Ebola via a Silk-Derived Lateral-Flow System		
<b>Proj. No.</b>	3096		
<b>Student(s)</b>	Olivia Hallisey	Grade 10	Town Greenwich

<b>Award</b>	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
<b>School</b>	University High School of Sci & Eng	Hartford	Michael Fromerth
<b>Project Title</b>	A Self-Sustaining Electrical Shoe Insert for Treatment of Diabetic Neuropathy		
<b>Proj. No.</b>	3098		
<b>Student(s)</b>	Gabriel Mesa	Grade 9	Town Canton

<b>Award</b>	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
<b>School</b>	<b>Newtown Middle School</b>	<b>Newtown</b>	<b>Mrs. Andracchi</b>
<b>Project Title</b>	The Universal Soccer Shoe		
<b>Proj. No.</b>	<b>5565</b>		
<b>Student(s)</b>	Miles Martiska	<b>Grade 8</b>	<b>Town Newtown</b>

<b>Award</b>	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Mr. Andrew Bramante</b>
<b>Project Title</b>	An Optically Self-Healing Metallo-Supramolecular Polymer Encapsulated UV-NIR Organic Solar Cell for Transparent Energy-Harvesting and Electronic Skin Applications		
<b>Proj. No.</b>	<b>6005</b>		
<b>Student(s)</b>	Maxmillian Minichetti	<b>Grade 12</b>	<b>Town Greenwich</b>

<b>Award</b>	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
<b>School</b>	<b>Oxford High School</b>	<b>Oxford</b>	<b>Mrs. Scheuer</b>
<b>Project Title</b>	Electrically Independent, Low Cost, Self-Filling Water Bottle for use in Water Locked Regions		
<b>Proj. No.</b>	<b>6030</b>		
<b>Student(s)</b>	Zachary Frew	<b>Grade 12</b>	<b>Town Oxford</b>

<b>Award</b>	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
<b>School</b>	<b>Putnam Science Academy</b>	<b>Putnam</b>	<b>Serdar Haytiyev</b>
<b>Project Title</b>	Designing a Braille E-Book For the Visually Impaired and Blind People		
<b>Proj. No.</b>	<b>6071</b>		
<b>Student(s)</b>	Abdulkadir Yilmaz	<b>Grade 11</b>	<b>Town Putnam</b>

### Connecticut Nurserymen's Foundation, Inc.

<b>Award</b>	\$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting		
<b>School</b>	<b>Sacred Heart Academy</b>	<b>Hamden</b>	<b>Mrs. Nelson</b>
<b>Project Title</b>	The Effects of Grey Water on the Germination Rate and Growth of a Variety of Grass Species.		
<b>Proj. No.</b>	<b>3055</b>		
<b>Student(s)</b>	Laura Mocchiola	<b>Grade 9</b>	<b>Town Shelton</b>

<b>Award</b>	\$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting		
<b>School</b>	<b>Sacred Heart Academy</b>	<b>Hamden</b>	<b>Dr. Sibani Sengupta</b>
<b>Project Title</b>	Using Plants to Reduce Atmospheric Carbon Dioxide		
<b>Proj. No.</b>	6512		
<b>Student(s)</b>	Jennifer Piciw	<b>Grade</b> 11	<b>Town</b> Shelton
	Mitali Bandyopadhyay	<b>Grade</b> 11	<b>Town</b> Farmington

### Connecticut Science Supervisors Association

<b>Award</b>	\$125 for a high school project		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Mr. Andrew Bramante</b>
<b>Project Title</b>	Novel Ultrasonic-Induced Antibiotic Deterioration of Borrelia Biofilms for the Treatment of Chronic Lyme Disease		
<b>Proj. No.</b>	3009		
<b>Student(s)</b>	Sophia Ertel	<b>Grade</b> 12	<b>Town</b> Old Greenwich

<b>Award</b>	\$125 for a middle school project		
<b>School</b>	<b>Hamden Middle School</b>	<b>Hamden</b>	<b>Mr. Danny Martins</b>
<b>Project Title</b>	Bridge Strength		
<b>Proj. No.</b>	1009		
<b>Student(s)</b>	Madeleine Malin	<b>Grade</b> 8	<b>Town</b> Hamden
	Ava Albis	<b>Grade</b> 8	<b>Town</b> Hamden

### Constellation - An Excelon Company

<b>Award</b>	For Excellence in clean renewable / sustainable energy - Grades 7 & 8		
<b>School</b>	<b>Central Middle School</b>	<b>Greenwich</b>	<b>Ms. Bresler</b>
<b>Project Title</b>	Substitution of Metals in a Salt-Water Engine to Increase Energy-Efficiency		
<b>Proj. No.</b>	5514		
<b>Student(s)</b>	Bennett Hawley	<b>Grade</b> 8	<b>Town</b> Cos Cob

<b>Award</b>	For Excellence in clean renewable / sustainable energy - Grades 9 - 12		
<b>School</b>	<b>Putnam Science Academy</b>	<b>Putnam</b>	<b>Serdar Haytiyev</b>
<b>Project Title</b>	Designing a High Efficiency and Low Cost Wind Turbines bu Utilizing Organic Solar Panels made from Rosa Canina		
<b>Proj. No.</b>	<b>6503</b>		
<b>Student(s)</b>	Cagri Aytekin	<b>Grade</b> 12	<b>Town</b> Putnam
	Furkan Sahin	<b>Grade</b> 10	<b>Town</b> Putnam
	Furkan Aldemir	<b>Grade</b> 11	<b>Town</b> Putnam

### Dakers Award for Transportation Engineering

<b>Award</b>	\$100 Award For Innovative Transportation Engineering		
<b>School</b>	<b>Christian Heritage School</b>	<b>Trumbull</b>	<b>Mrs. Oshin</b>
<b>Project Title</b>	The Effect of Using Foam to Create a More Sophisticated Highway Barrier on Lessening the Spike of G-forces During an Impact		
<b>Proj. No.</b>	<b>5509</b>		
<b>Student(s)</b>	Daniel Colgate	<b>Grade</b> 8	<b>Town</b> Bridgeport

### David and Torrey Fenton Awards

<b>Award</b>	For creative work in the physical sciences- high school; \$200 cash		
<b>School</b>	<b>Daniel Hand High School</b>	<b>Madison</b>	<b>Madhuparna Roychoudhury</b>
<b>Project Title</b>	Power generation via downdraft of humidified dry air		
<b>Proj. No.</b>	<b>6064</b>		
<b>Student(s)</b>	Ankita Roychoudhury	<b>Grade</b> 10	<b>Town</b> Madison

<b>Award</b>	For creative work in the physical sciences- middle school; \$200 cash		
<b>School</b>	<b>St. Mark School</b>	<b>Stratford</b>	<b>Mr. Michael McMahon</b>
<b>Project Title</b>	Using Induced Wind Force to Increase the Efficiency of an Electric Vehicle Battery		
<b>Proj. No.</b>	<b>5545</b>		
<b>Student(s)</b>	Emily Fedor	<b>Grade</b> 8	<b>Town</b> Derby

**Demos R Us Award**

<b>Award</b>	\$150 Cash Award- Clear Execution of Research		
<b>School</b>	Fields Memorial School	Bozrah	Evelyn Brown
<b>Project Title</b>	Water Filtration and Flocculation Methods		
<b>Proj. No.</b>	5502		
<b>Student(s)</b>	Rebecca Ramthun	Grade 8	Town Bozrah

**Dreams Unlimited**

<b>Award</b>	\$100 Cash Award + Certificate		
<b>School</b>	St. Rose of Lima School	Newtown	Mrs. Marde Dimon
<b>Project Title</b>	The Effect of Water Depth and Beach Surface on the Onshore Height of a Tsunami		
<b>Proj. No.</b>	5016		
<b>Student(s)</b>	Hunter Kirkman	Grade 7	Town Sandy Hook

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

<b>Award</b>	\$100 For innovative use of technology to advance science or engineering		
<b>School</b>	East Lyme High School	East Lyme	Lewis Tucker
<b>Project Title</b>	Clinical application of 3D printing technology in cancer radiation therapy: A novel method to improve dose conformity with patient specific treatment aid device		
<b>Proj. No.</b>	3017		
<b>Student(s)</b>	Du Chen	Grade 11	Town Niantic

<b>Award</b>	\$100 For innovative use of technology to advance science or engineering		
<b>School</b>	Putnam Science Academy	Putnam	Serdar Haytiyev
<b>Project Title</b>	Designing a Braille E-Book For the Visually Impaired and Blind People		
<b>Proj. No.</b>	6071		
<b>Student(s)</b>	Abdulkadir Yilmaz	Grade 11	Town Putnam



**Environmental/Energy Award-Urban Public School Award**

<b>Award</b>	For the highest scoring environmental protection or alternate energy project by a New Haven Public School student.		
<b>School</b>	Engineering & Science University Magnet	New Haven	Mr. Roger L. Rushworth
<b>Project Title</b>	Electric Energy Production In A Bio-fuel Cell For Varying Electrogenic Microbial Samples		
<b>Proj. No.</b>	2521		
<b>Student(s)</b>	Sumanth Kondapalli	Grade 8	Town Milford

**Fox Pest Control Award for Environmental Management**

<b>Award</b>	\$150 Cash for Excellence in Environmental Management		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Novel Creation of a versatile, low-cost water purification system via a graphene oxide-TiO2 composite membrane with incorporated electrified nanostructures		
<b>Proj. No.</b>	6095		
<b>Student(s)</b>	Sophie Bardos	Grade 11	Town Riverside

**Fred Bailey Memorial Award**

<b>Award</b>	\$250 for innovative research- Hartford Urban High School Project		
<b>School</b>	University High School of Sci & Eng	Hartford	Michael Fromerth
<b>Project Title</b>	A Self-Sustaining Electrical Shoe Insert for Treatment of Diabetic Neuropathy		
<b>Proj. No.</b>	3098		
<b>Student(s)</b>	Gabriel Mesa	Grade 9	Town Canton

<b>Award</b>	\$250 for innovative research- Hartford Urban Middle School Project		
<b>School</b>	Environmental Sciences Magnet School at	Hartford	Kirsten Devlin
<b>Project Title</b>	Fruit Fly Fatality		
<b>Proj. No.</b>	2544		
<b>Student(s)</b>	Hunter Rego	Grade 8	Town Winsted

**Henderson Award**

Award	Certificate and \$50 Amazon Gift Card given by CSF		
School	St. Michael School	Pawcatuck	Michael DeNoia
Project Title	Why Did The chicken Cross The Road?		
Proj. No.	2033		
Student(s)	Kathryn Logel	Grade 7	Town Pawcatuck

**IEEE, Connecticut Section**

Award	\$100 Honorable Mention		
School	Westside Middle School Academy	Danbury	Mr. Neuhausel
Project Title	Opening a Garage Door with Raspberry Pi		
Proj. No.	5030		
Student(s)	Sarah Johnson	Grade 7	Town Danbury

Award	\$100 Honorable Mention		
School	Central Middle School	Greenwich	Ms. Bresler
Project Title	Substitution of Metals in a Salt-Water Engine to Increase Energy-Efficiency		
Proj. No.	5514		
Student(s)	Bennett Hawley	Grade 8	Town Cos Cob

Award	\$100 Honorable Mention		
School	Engineering & Science University Magnet	New Haven	Mr. Roger Rushworth
Project Title	Efficiency of Piezoelectric Materials for Electric Production		
Proj. No.	5528		
Student(s)	Prastik Mohanraj	Grade 8	Town Ansonia

Award	\$100 Honorable Mention		
School	Ridgefield High School	Ridgefield	Patrick Hughes
Project Title	The Effect of Different Checkerboard Sizes on Steady State Visually Evoked Potentials		
Proj. No.	6047		
Student(s)	Randy Deng	Grade 12	Town Ridgefield

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Amity Regional High School	Woodbridge	Deborah Day
<b>Project Title</b>	Echocardiogram-Based Wireless Left Ventricular Assist Device (LVAD) with Mobile Application Monitoring and Control		
<b>Proj. No.</b>	6509		
<b>Student(s)</b>	Daniel Giebisch	Grade 12	Town Woodbridge
	Noah Gallant	Grade 12	Town Bethany

<b>Award</b>	\$250 Honors Award -Senior		
<b>School</b>	Glastonbury High School	Glastonbury	Dr. Ali Bazzi
<b>Project Title</b>	Evaluation of Several Resonant Power Electronic Converters in Capacitively Coupled Wireless Energy Transmitters		
<b>Proj. No.</b>	6068		
<b>Student(s)</b>	Paul Han	Grade 11	Town Glastonbury

<b>Award</b>	\$250 Honors Award -Junior		
<b>School</b>	Brunswick School	Greenwich	Dana Montanez
<b>Project Title</b>	A Feasibility Study of Portable, Ground-Based Ice-Penetrating Radar to Resolve Cartography Deficiencies.		
<b>Proj. No.</b>	6511		
<b>Student(s)</b>	Ryan Callaghan	Grade 11	Town Wilton
	Alessandro Mariani	Grade 11	Town Greenwich

### Institute of Food Technologists, Nutmeg Section

<b>Award</b>	\$100 award + invitation to dinner		
<b>School</b>	Science & Technology Magnet HS of SE CT	New London	Charles Mulligan
<b>Project Title</b>	The Effect of pH Levels in Presoaking Liquids on Fruit Dehydration Duration		
<b>Proj. No.</b>	3521		
<b>Student(s)</b>	Brynn Doughty	Grade 10	Town Ledyard
	Leslie Abreu	Grade 10	Town New London

<b>Award</b>	\$100 award + invitation to dinner		
<b>School</b>	Southern CT Hebrew Academy	Orange	Karen Howell
<b>Project Title</b>	Analysis of Nature's Digestive Enzymes and Effect of Inhibitors and Enhancers on Nutrition and Cell Absorption.		
<b>Proj. No.</b>	4010		
<b>Student(s)</b>	Esther Lipsker	Grade 8	Town Stamford
	Chana Kalmanson	Grade 8	Town New Haven

Award	\$50 award + invitation to dinner		
School	Talcott Mountain Academy	Avon	Ms. Tockstien
Project Title	The Antimicrobial Properties of Papaya		
Proj. No.	2537		
Student(s)	Zachary Waskowicz	Grade 8	Town Southington

Award	\$50 award + invitation to dinner		
School	Shelton High School	Shelton	Kathleen Hayes
Project Title	A Natural Fighter Against E. Coli		
Proj. No.	3001		
Student(s)	Alyson Shaw	Grade 11	Town Shelton

Award	\$50 award + invitation to dinner		
School	Academy of Aerospace and Engineering	Hartford	Dr. Lili Aramli
Project Title	Honey as an Antibacterial Agent		
Proj. No.	3059		
Student(s)	Alec Bernardi	Grade 11	Town Tolland

### Intel Excellence in Computer Science Award

Award	\$200 & certificate		
School	St. Paul Catholic High School	Bristol	Mr Alberti
Project Title	Novel Approches of Making Human to Robot Interaction Possible for the Handicapped.		
Proj. No.	6076		
Student(s)	Kamila Krawczuk	Grade 9	Town New Britain

Award	\$200 & certificate		
School	Amity Regional High School	Woodbridge	Deborah Day
Project Title	Echocardiogram-Based Wireless Left Ventricular Assist Device (LVAD) with Mobile Application Monitoring and Control		
Proj. No.	6509		
Student(s)	Daniel Giebisch	Grade 12	Town Woodbridge
	Noah Gallant	Grade 12	Town Bethany

### ISA - International Society for Automation

<b>Award</b>	1st - \$125 award		
<b>School</b>	St. Rose of Lima School	Newtown	Marde Dimon
<b>Project Title</b>	The Amount of Critical Mass Needed to Make a Sustainable Chain Reaction		
<b>Proj. No.</b>	5036		
<b>Student(s)</b>	Mary Locke	Grade 7	Town Sandy Hook

<b>Award</b>	2nd - \$75 award		
<b>School</b>	Amity Reg Middle School, Bethany Campus	Bethany	Kevin Berean
<b>Project Title</b>	The Sensing Cane		
<b>Proj. No.</b>	4017		
<b>Student(s)</b>	Kate Yuan	Grade 8	Town Woodbridge
	Catalina Betancur	Grade 8	Town Woodbridge

<b>Award</b>	3rd - \$50 award		
<b>School</b>	Putnam Science Academy	Putnam	Serdar Haytiyev
<b>Project Title</b>	Designing a Braille E-Book For the Visually Impaired and Blind People		
<b>Proj. No.</b>	6071		
<b>Student(s)</b>	Abdulkadir Yilmaz	Grade 11	Town Putnam

### J.A. Augustine Award

<b>Award</b>	\$100 for excellence in biology		
<b>School</b>	J.F. Kennedy Middle School	Plantsville	Mrs. Wasserman
<b>Project Title</b>	Gas Released by Yeast		
<b>Proj. No.</b>	1013		
<b>Student(s)</b>	Julia Jackman	Grade 8	Town Southington
	Sarah Mathew	Grade 8	Town Southington

<b>Award</b>	\$100 for excellence in physical sciences		
<b>School</b>	Middlebrook School	Wilton	Mrs. Randall
<b>Project Title</b>	The Impact of Turbine Blades on Power Output		
<b>Proj. No.</b>	5009		
<b>Student(s)</b>	Vignesh Subramanian	Grade 7	Town Wilton

### John B. Trevor Award in Electrical Engineering

<b>Award</b>	\$500 cash award for an innovative electronic or electrical project		
<b>School</b>	Glastonbury High School	Glastonbury	Dr. Ali Bazzi
<b>Project Title</b>	Evaluation of Several Resonant Power Electronic Converters in Capacitively Coupled Wireless Energy Transmitters		
<b>Proj. No.</b>	6068		
<b>Student(s)</b>	Paul Han	Grade 11	Town Glastonbury

### John S. Kendall Memorial Award

<b>Award</b>	\$300 John S. Kendall Award for Excellence In Mechanical Engineering - High School		
<b>School</b>	Suffield High School	Suffield	Mitchell Charkiewicz
<b>Project Title</b>	Reverse Osmosis Water Desalination Via the Harnessing of Perpetual Wave Energy		
<b>Proj. No.</b>	6081		
<b>Student(s)</b>	Matthew Rogers	Grade 11	Town Suffield

<b>Award</b>	\$500 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School		
<b>School</b>	Multicultural Magnet School	Bridgeport	Mr. Walter Mayorga
<b>Project Title</b>	Powerful Propellers		
<b>Proj. No.</b>	5555		
<b>Student(s)</b>	Abigail Cloud	Grade 8	Town Bridgeport

### Jon Stone Memorial Award

<b>Award</b>	\$150 cash for Innovative Engineering		
<b>School</b>	Putnam Science Academy	Putnam	Caron Quantick
<b>Project Title</b>	A Natural Way to Keep Insects Away by Using Various Essential Plant Oils as an Organic Insect Repellent		
<b>Proj. No.</b>	3520		
<b>Student(s)</b>	Omer Tekin	Grade 12	Town Putnam
	Abidin Emhan	Grade 12	Town Putnam
	Taha Cangoz	Grade 12	Town Putnam

**Leask/Francoeur Family Awards**

<b>Award</b>	Award for excellence and innovation in electrical engineering or computer science - \$200 cash		
<b>School</b>	Putnam Science Academy	Putnam	Serdar Haytiyev
<b>Project Title</b>	Designing a Braille E-Book For the Visually Impaired and Blind People		
<b>Proj. No.</b>	6071		
<b>Student(s)</b>	Abdulkadir Yilmaz	Grade 11	Town Putnam

<b>Award</b>	Award for excellence and innovation in electrical engineering or computer science - \$200 cash		
<b>School</b>	St. Paul Catholic High School	Bristol	Mr Alberti
<b>Project Title</b>	Novel Approches of Making Human to Robot Interaction Possible for the Handicapped.		
<b>Proj. No.</b>	6076		
<b>Student(s)</b>	Kamila Krawczuk	Grade 9	Town New Britain

**Lunch with a Patent Attorney**

<b>Award</b>	Lunch with a Patent Attorney		
<b>School</b>	Joel Barlow High School	Redding	Dr. Katherine Nuzzo
<b>Project Title</b>	The Development of an Immunosorbant Assay (ELISA) for detection of IgG and IgA antibodies against Tissue Transglutaminase for the diagnosis of Celiac disease.		
<b>Proj. No.</b>	6098		
<b>Student(s)</b>	Andrea McGowan	Grade 12	Town Redding

**Meyerand Young Woman Scientist Awards**

<b>Award</b>	\$300 cash - High School, Life Sciences		
<b>School</b>	Sacred Heart Academy	Hamden	Mrs. Nelson
<b>Project Title</b>	The Effects of Grey Water on the Germination Rate and Growth of a Variety of Grass Species.		
<b>Proj. No.</b>	3055		
<b>Student(s)</b>	Laura Mocchiola	Grade 9	Town Shelton

<b>Award</b>	\$300 cash - High School, Physical Sciences		
<b>School</b>	Christian Heritage School	Trumbull	Daniel Cote
<b>Project Title</b>	The refinement and production of bio-diesel derived from laboratory grown nannochloropsis algae		
<b>Proj. No.</b>	6094		
<b>Student(s)</b>	Sarah Mack	Grade 11	Town West Haven

<b>Award</b>	\$300 cash - Middle School Life Sciences		
<b>School</b>	<b>Madina Academy</b>	<b>Windsor</b>	<b>Esslam Hassan</b>
<b>Project Title</b>	Inexpensive Treatments for Plants Affected from Contaminated Soil by Oil Spills		
<b>Proj. No.</b>	<b>2541</b>		
<b>Student(s)</b>	Radeyah Ahmed	<b>Grade</b> 8	<b>Town</b> Bloomfield

<b>Award</b>	\$300 cash - Middle School, Physical Sciences		
<b>School</b>	<b>Amity Reg Middle School, Bethany Campus</b>	<b>Bethany</b>	<b>Mr. Kevin Berean</b>
<b>Project Title</b>	BabyBot: Creating a Robot to Soothe a Crying Infant		
<b>Proj. No.</b>	<b>4033</b>		
<b>Student(s)</b>	Neha Sudhir	<b>Grade</b> 8	<b>Town</b> Woodbridge
	Rosie Du	<b>Grade</b> 8	<b>Town</b> New Haven
	Allison Fischman	<b>Grade</b> 8	<b>Town</b> Woodbridge

### 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>J.F. Kennedy Middle School</b>	<b>Plantsville</b>	<b>Mrs.Pepin</b>
<b>Project Title</b>	"Pore" My Way to Cleaner Water: The use of flocculants and porous ceramic pots for purifying drinking water in developing countries		
<b>Proj. No.</b>	<b>2010</b>		
<b>Student(s)</b>	Matthew Maciejewski	<b>Grade</b> 7	<b>Town</b> Plantsville

<b>Award</b>	For Excellence in Creativity and Innovation by a Middle School student, \$100 cash		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andy Bramante</b>
<b>Project Title</b>	A Novel Antibody-Functionalized Graphene Transistor Lab-On-A-Chip for Selective Detection of Malaria Pathogens		
<b>Proj. No.</b>	<b>3114</b>		
<b>Student(s)</b>	Paul Hansel	<b>Grade</b> 11	<b>Town</b> Old Greenwich



MIT Club of Hartford K-12 Initiative

**Award** For excellence in science & technology of energy related research, high school, \$100 cash award

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

**Project Title** Low Grade Waste Heat Recovery and Carbon Sequestration using an Innovative Reverse Electrodialysis (RED) and Pressure Retarded Osmosis (PRO) System

**Proj. No.** **6101**

**Student(s)** Ethan Novek **Grade** 10 **Town** Greenwich

**Award** For excellence in science & technology of energy related research, middle school, \$100 cash award

**School** **Central Middle School** **Greenwich** **Ms. Bresler**

**Project Title** Substitution of Metals in a Salt-Water Engine to Increase Energy-Efficiency

**Proj. No.** **5514**

**Student(s)** Bennett Hawley **Grade** 8 **Town** Cos Cob

Mu Alpha Theta

**Award** Certificate, \$50 gift card to Amazon given by CSEF

**School** **Glastonbury High School** **Glastonbury** **Diane Pintavalle**

**Project Title** Differences in the measurements and numbers of nuclear pores and nuclear pore complexes in wildtype stem cell lines and Huntington's Disease stem cell lines

**Proj. No.** **3106**

**Student(s)** Kanika Malani **Grade** 11 **Town** Glastonbury

**Award** Certificate, \$50 gift card to Amazon given by CSEF

**School** **Glastonbury High School** **Glastonbury** **Dr. Ali Bazzi**

**Project Title** Evaluation of Several Resonant Power Electronic Converters in Capacitively Coupled Wireless Energy Transmitters

**Proj. No.** **6068**

**Student(s)** Paul Han **Grade** 11 **Town** Glastonbury

**Mystic Aquarium**

<b>Award</b>	\$100 and 4 Admission Tickets to Mystic Aquarium		
<b>School</b>	Bridgeport Regional Aquaculture School	Bridgeport	Mr. Kirk Shadle
<b>Project Title</b>	Determining the Effect of Biofouling on a Restocking System for Homarus americanus		
<b>Proj. No.</b>	3073		
<b>Student(s)</b>	Shana Isidoro	Grade 12	Town Monroe

**National Oceanic and Atmospheric Administration**

<b>Award</b>	Certificate and medallion, ,and \$50 gift card to Amazon given by CSEF		
<b>School</b>	Greenwich Catholic School	Greenwich	Carol Lutz
<b>Project Title</b>	Survive with Salt Water		
<b>Proj. No.</b>	1025		
<b>Student(s)</b>	Daniel Mabes	Grade 7	Town Greenwich
	Nicholas Cotaj	Grade 7	Town Stamford
	Terrence McGrath	Grade 7	Town Stamford

**NYUC Pony Club Equine Award**

<b>Award</b>	\$50 Cash Award or excellence in equine studies		
<b>School</b>	RHAM High School	Hebron	Kristin Spinelli
<b>Project Title</b>	Manure to Methane		
<b>Proj. No.</b>	3515		
<b>Student(s)</b>	Taylor Brysgel	Grade 9	Town Marlborough
	Darren Lin	Grade 9	Town Marlborough

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

<b>Award</b>	High School- Certificate, \$75.00 gift certificate		
<b>School</b>	Greenwich High School	Greenwich	Mr. Andrew Bramante
<b>Project Title</b>	An Optically Self-Healing Metallo-Supramolecular Polymer Encapsulated UV-NIR Organic Solar Cell for Transparent Energy-Harvesting and Electronic Skin Applications		
<b>Proj. No.</b>	6005		
<b>Student(s)</b>	Maxmillian Minichetti	Grade 12	Town Greenwich

**Award** High School- Certificate, \$75.00 gift certificate

**School** **Joel Barlow High School** **Redding** **Dr. Katherine Nuzzo**

**Project Title** A Statistical Analysis on the Effects of Volcanic Sulfate Emissions on Precipitation Patterns as Analogue for Geoengineering

**Proj. No.** **6059**

**Student(s)** Megan Siedman **Grade** 11 **Town** Redding

**Award** High School- Certificate, \$75.00 gift certificate

**School** **Daniel Hand High School** **Madison** **Madhuparna Roychoudhury**

**Project Title** Ferromagnetism: Using ferromagnetic fluid to control prosthetics

**Proj. No.** **6062**

**Student(s)** Shayan Roychoudhury **Grade** 12 **Town** Madison

**Award** High School- Certificate, \$75.00 gift certificate

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

**Project Title** Application of Manganese-Based Ionic Liquid for Optimized Performance of Non-aqueous / Aqueous Redox Flow Batteries

**Proj. No.** **6087**

**Student(s)** Nicholas Szabo **Grade** 11 **Town** Glenville

**Award** High School- Certificate, \$75.00 gift certificate

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

**Project Title** Low Grade Waste Heat Recovery and Carbon Sequestration using an Innovative Reverse Electrodialysis (RED) and Pressure Retarded Osmosis (PRO) System

**Proj. No.** **6101**

**Student(s)** Ethan Novek **Grade** 10 **Town** Greenwich

**Award** High School- Certificate, \$75.00 gift certificate

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

**Project Title** Synthesis of an Electromagnetically-Controlled Corn-Starch/PVA Biopolymer Microstructure for Extended and Targeted Drug Delivery

**Proj. No.** **6015**

**Student(s)** Margaret Cirino **Grade** 10 **Town** Greenwich

**Award** Middle School- Certificate, \$50 gift card to Amazon given by CSEF

**School** **Talcott Mountain Academy** **Avon** **Alyson Tockstein**

**Project Title** Killing Blackspot: An Organic Struggle

**Proj. No.** **2026**

**Student(s)** Julia Hoffman **Grade** 7 **Town** Windsor

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>J.F. Kennedy Middle School</b>	<b>Plantsville</b>	<b>Mrs. Pepin</b>
<b>Project Title</b>	Nutrient Comparison of Lettuce Grown Hydroponically and in Soil		
<b>Proj. No.</b>	<b>2518</b>		
<b>Student(s)</b>	Hannah Platt	<b>Grade 8</b>	<b>Town</b> Southington

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Fields Memorial School</b>	<b>Bozrah</b>	<b>Evelyn Brown</b>
<b>Project Title</b>	Water Filtration and Flocculation Methods		
<b>Proj. No.</b>	<b>5502</b>		
<b>Student(s)</b>	Rebecca Ramthun	<b>Grade 8</b>	<b>Town</b> Bozrah

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Christian Heritage School</b>	<b>Trumbull</b>	<b>Mrs. Oshin</b>
<b>Project Title</b>	HOW TO INSULATE YOUR HOUSE AND REDUCE YOUR FUEL BILLS		
<b>Proj. No.</b>	<b>5513</b>		
<b>Student(s)</b>	Garrett Kalker	<b>Grade 8</b>	<b>Town</b> Monroe

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Central Middle School</b>	<b>Greenwich</b>	<b>Ms. Bresler</b>
<b>Project Title</b>	Substitution of Metals in a Salt-Water Engine to Increase Energy-Efficiency		
<b>Proj. No.</b>	<b>5514</b>		
<b>Student(s)</b>	Bennett Hawley	<b>Grade 8</b>	<b>Town</b> Cos Cob

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Newtown Middle School</b>	<b>Newtown</b>	<b>Mrs. Andracchi</b>
<b>Project Title</b>	The Universal Soccer Shoe		
<b>Proj. No.</b>	<b>5565</b>		
<b>Student(s)</b>	Miles Martiska	<b>Grade 8</b>	<b>Town</b> Newtown

Otero Family Award

Award	The Otero Family Award; \$200 cash		
School	Greenwich High School	Greenwich	Mr. Andrew Bramante
Project Title	Hybridized Manganese Dioxide & Gold-Iron Oxide Nanoparticle Inhibition of Tumor Growth via Radiosensitization and Tumor Microenvironment Control		
Proj. No.	3110		
Student(s)	William Yin	Grade 10	Town Greenwich

Project Oceanology

Award	Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt		
School	St. Rose of Lima School	Newtown	Mardi Dimon
Project Title	An Investigation of the Ingestion of Microscopic Plastic Particles by the Blue Mussel, Mytilus edulis		
Proj. No.	2524		
Student(s)	Catherine Herrick	Grade 8	Town Sandy Hook

Award	Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt		
School	Bridgeport Regional Aquaculture School	Bridgeport	Mr. Kirk P. Shadle
Project Title	Utilizing Piscivorous Birds as Low-Impact Primary Biological Indicators		
Proj. No.	3040		
Student(s)	Sophie Kay	Grade 12	Town Fairfield

Randy Gibson Award for Earth Science Research

Award	\$100 cash and plaque		
School	Southern CT Hebrew Academy	Orange	Karen Howell
Project Title	Analysis of Increased CO2 levels in Ocean water and Effect on Crustaceans' and Bivalves' Growth		
Proj. No.	2511		
Student(s)	Adina Katz	Grade 8	Town New Haven

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

<b>Award</b>	Certificate, Lapel Pin,\$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>J.F. Kennedy Middle School</b>	<b>Plantsville</b>	<b>Mrs.Pepin</b>
<b>Project Title</b>	"Pore" My Way to Cleaner Water: The use of flocculants and porous ceramic pots for purifying drinking water in developing countries		
<b>Proj. No.</b>	<b>2010</b>		
<b>Student(s)</b>	Matthew Maciejewski	<b>Grade 7</b>	<b>Town</b> Plantsville

<b>Award</b>	Certificate, Lapel Pin,\$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Westside Middle School Academy</b>	<b>Danbury</b>	<b>Jonathan Neuhausel</b>
<b>Project Title</b>	UV-C Lighting As A Supplemental Method Of Preservation In Refrigerators To Reduce Energy Consumption		
<b>Proj. No.</b>	<b>5551</b>		
<b>Student(s)</b>	Christopher Hwang	<b>Grade 8</b>	<b>Town</b> Danbury

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

<b>Award</b>	For excellence in a local water quality study, \$100 cash		
<b>School</b>	<b>Southern CT Hebrew Academy</b>	<b>Orange</b>	<b>Karen Howell</b>
<b>Project Title</b>	Analysis of Increased CO2 levels in Ocean water and Effect on Crustaceans' and Bivalves' Growth		
<b>Proj. No.</b>	<b>2511</b>		
<b>Student(s)</b>	Adina Katz	<b>Grade 8</b>	<b>Town</b> New Haven

**Sister Mary Christine Life Sciences Award**

<b>Award</b>	\$150 and plaque for excellence in the life sciences by a catholic middle school project		
<b>School</b>	<b>St. Michael School</b>	<b>Pawcatuck</b>	<b>Michael DeNoia</b>
<b>Project Title</b>	Effects of Mnemonic Methods on Memory		
<b>Proj. No.</b>	<b>2520</b>		
<b>Student(s)</b>	Kyle Remmert	<b>Grade 8</b>	<b>Town</b> Pawcatuck

<b>Award</b>	\$250 and plaque for excellence in the life sciences by a catholic high school project		
<b>School</b>	<b>Convent of the Sacred Heart</b>	<b>Greenwich</b>	<b>Mary Musolino</b>
<b>Project Title</b>	DNA Barcoding of Invasive Species on a Suburban Campus		
<b>Proj. No.</b>	<b>3517</b>		
<b>Student(s)</b>	Madeline Henrie	<b>Grade</b> 11	<b>Town</b> Stamford
	Katherine Siciliano	<b>Grade</b> 11	<b>Town</b> Stamford
	Lillian Pura	<b>Grade</b> 11	<b>Town</b> Greenwich

### Society for In Vitro Biology

<b>Award</b>	Certificate and \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Greater Hartford Academy of Math &amp;</b>	<b>Hartford</b>	<b>Dr. Lili Aramli</b>
<b>Project Title</b>	Exploration into the Effects of Anti-PAR2 Antibody on the Expression of CUX-1 Related Metabolic Pathways and Apoptosis of Mouse Breast Cancer Cells		
<b>Proj. No.</b>	<b>3077</b>		
<b>Student(s)</b>	Leon Novak	<b>Grade</b> 11	<b>Town</b> Rocky Hill

<b>Award</b>	Certificate and \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Enhancement of antibiotic effects on various species of bacterium via infusion of silver nanoparticles		
<b>Proj. No.</b>	<b>3092</b>		
<b>Student(s)</b>	Andrew Lim	<b>Grade</b> 11	<b>Town</b> Old Greenwich

### Society of Women Engineers - Hartford Section

<b>Award</b>	Scientific Calculator		
<b>School</b>	<b>Hamden Middle School</b>	<b>Hamden</b>	<b>Mr. Martins</b>
<b>Project Title</b>	What's Shaking? - A Study of Soil Liquefaction		
<b>Proj. No.</b>	<b>5530</b>		
<b>Student(s)</b>	Andrew Larocque	<b>Grade</b> 8	<b>Town</b> Hamden

<b>Award</b>	Scientific Calculator		
<b>School</b>	<b>St. Mark School</b>	<b>Stratford</b>	<b>Mr. Michael McMahon</b>
<b>Project Title</b>	Using Induced Wind Force to Increase the Efficiency of an Electric Vehicle Battery		
<b>Proj. No.</b>	<b>5545</b>		
<b>Student(s)</b>	Emily Fedor	<b>Grade</b> 8	<b>Town</b> Derby

Award	Scientific Calculator		
School	Multicultural Magnet School	Bridgeport	Mr. Walter Mayorga
Project Title	Powerful Propellers		
Proj. No.	5555		
Student(s)	Abigail Cloud	Grade 8	Town Bridgeport

Award	Scientific Calculator		
School	St. Mark School	Stratford	Mr. Michael McMahon
Project Title	Energy Scavenging--Proving the Seebeck Effect with a Homemade Thermoelectric Generator: A Source of Free, Sustainable, Low-Voltage Power		
Proj. No.	5560		
Student(s)	Kristen Robertson	Grade 8	Town Stratford

### Southeastern New England Marine Educators

Award	\$100 award and membership in SENEME - 1st Place Junior & T-Shirt		
School	St. Rose of Lima School	Newtown	Marde Dimon
Project Title	The Effect of pH Level on the Growth of Algae		
Proj. No.	2003		
Student(s)	Natalene Sim	Grade 7	Town Newtown

Award	\$100 award and membership in SENEME - 1st Place Senior & T-Shirt		
School	Joel Barlow High School	Redding	Katherine Nuzzo
Project Title	Zostera marina's Effect on Carbon Dioxide Levels in Long Island Sound and Predicted Effects		
Proj. No.	3133		
Student(s)	Nathaniel Tomczak	Grade 11	Town Easton

### Spirit of Invention Award

Award	\$100 Cash and Plaque for Inventive Concepts		
School	Newtown High school	Sandy Hook	Timothy DeJulio
Project Title	3D Printer for Creating Domestic Utilities for Developing Countries		
Proj. No.	6105		
Student(s)	David Corsi	Grade 12	Town Sandy Hook



**Stanley Lessoff Award for Excellence In Analytical Technique**

Award	\$100 Cash and Plaque		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Music Metrics and Fractals: Analyzing Different Genres of Digitized Music to Identify Input Metrics for Programming Fractal Representations of the Music with Mathematica		
Proj. No.	5507		
Student(s)	Genevieve Buckridge	Grade 8	Town Bozrah

**Stockholm Junior Water Prize**

Award	Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Creation of a Fresnel Lens Array for use in Water Purification		
Proj. No.	6085		
Student(s)	John Stefanou	Grade 10	Town Old Greenwich

Award	Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
School	Bridgeport Regional Aquaculture School	Bridgeport	Mr. Kirk Shadle
Project Title	The Analysis of Clay Flocculation's Effect on the Benthic Zone Used as a Mitigation Technique for Harmful Algal Blooms (HABs)		
Proj. No.	3052		
Student(s)	Julia Ennis	Grade 12	Town Fairfield

Award	Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
School	Fairfield College Preparatory School	Fairfield	Mrs. Kiel
Project Title	How Grey Oyster Mushrooms Can Be Used To Break Down Oil And Reduce Waste In The Environment.		
Proj. No.	3095		
Student(s)	Jonathan Siveyer	Grade 10	Town Monroe

Award	Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
School	Putnam Science Academy	Putnam	Serdar Haytiyev
Project Title	Use of Saccharomyces Cerevisiae and Biosorption in the Purification of Industrially Polluted Waters		
Proj. No.	3507		
Student(s)	Enes Cicek	Grade 11	Town Putnam
	Murat Acar	Grade 10	Town Putnam
	Amir Edris	Grade 10	Town Putnam

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
<b>School</b>	<b>Suffield High School</b>	<b>Suffield</b>	<b>Mitchell Charkiewicz</b>
<b>Project Title</b>	Reverse Osmosis Water Desalination Via the Harnessing of Perpetual Wave Energy		
<b>Proj. No.</b>	<b>6081</b>		
<b>Student(s)</b>	Matthew Rogers	<b>Grade</b> 11	<b>Town</b> Suffield

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
<b>School</b>	<b>Oxford High School</b>	<b>Oxford</b>	<b>Mrs. Scheuer</b>
<b>Project Title</b>	Electrically Independent, Low Cost, Self-Filling Water Bottle for use in Water Locked Regions		
<b>Proj. No.</b>	<b>6030</b>		
<b>Student(s)</b>	Zachary Frew	<b>Grade</b> 12	<b>Town</b> Oxford

### Talcott Mountain Science Center

<b>Award</b>	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science		
<b>School</b>	<b>Fields Memorial School</b>	<b>Bozrah</b>	<b>Mrs. E. Brown</b>
<b>Project Title</b>	Which Variables Affect The Flight Of A Rocket?		
<b>Proj. No.</b>	<b>5023</b>		
<b>Student(s)</b>	Brendan Toth	<b>Grade</b> 7	<b>Town</b> Bozrah

<b>Award</b>	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science		
<b>School</b>	<b>J.F. Kennedy Middle School</b>	<b>Plantsville</b>	<b>Mrs.Pepin</b>
<b>Project Title</b>	"Pore" My Way to Cleaner Water: The use of flocculants and porous ceramic pots for purifying drinking water in developing countries		
<b>Proj. No.</b>	<b>2010</b>		
<b>Student(s)</b>	Matthew Maciejewski	<b>Grade</b> 7	<b>Town</b> Plantsville

### The Children's Museum

<b>Award</b>	1 family 4-Pack of Admission Passes to the Children's Museum		
<b>School</b>	<b>J.F. Kennedy Middle School</b>	<b>Plantsville</b>	<b>Mrs.Pepin</b>
<b>Project Title</b>	"Pore" My Way to Cleaner Water: The use of flocculants and porous ceramic pots for purifying drinking water in developing countries		
<b>Proj. No.</b>	<b>2010</b>		
<b>Student(s)</b>	Matthew Maciejewski	<b>Grade</b> 7	<b>Town</b> Plantsville

### The Connecticut Technology Council Young Woman Innovation Award

<b>Award</b>	\$150 Cash Award for Technological Innovation		
<b>School</b>	Greenwich High School	Greenwich	Mr. Andrew Bramante
<b>Project Title</b>	Novel Ultrasonic-Induced Antibiotic Deterioration of Borrelia Biofilms for the Treatment of Chronic Lyme Disease		
<b>Proj. No.</b>	3009		
<b>Student(s)</b>	Sophia Ertel	Grade 12	Town Old Greenwich

### The Goodwin-Niering Center for the Environment

<b>Award</b>	\$100 for "Excellence in Environmental Conservation Studies"		
<b>School</b>	Fishers Island School	Fishers Island	Carol Giles
<b>Project Title</b>	Remediating Rivalry?		
<b>Proj. No.</b>	3041		
<b>Student(s)</b>	Mackenzie Switz	Grade 11	Town Stonington

### TurnKey Compliance Solutions Environmental Awards

<b>Award</b>	\$300 Cash Award - For excellence in environmental sciences		
<b>School</b>	Southern CT Hebrew Academy	Orange	Karen Howell
<b>Project Title</b>	Analysis of Safer Electroplating Metals and Electrolyte solutions with their Environmental Impact		
<b>Proj. No.</b>	4003		
<b>Student(s)</b>	Meira Shleifer	Grade 8	Town Waterbury
	Zahava Klein	Grade 8	Town New Haven

### U.S. Air Force

<b>Award</b>	Certificate and Amazon \$50 gift card given by CSEF		
<b>School</b>	J.A. DePaolo Middle School	Southington	Ms. Shay
<b>Project Title</b>	Shape Affects Speed		
<b>Proj. No.</b>	4027		
<b>Student(s)</b>	Jessica Griffin	Grade 8	Town Southington
	Olivia Sherwood	Grade 8	Town Southington

<b>Award</b>	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
<b>School</b>	<b>Martin Kellogg Middle School</b>	<b>Newington</b>	<b>Mrs. Blustein</b>
<b>Project Title</b>	The Designing and Testing of a Self-Constructed Aircraft		
<b>Proj. No.</b>	<b>4034</b>		
<b>Student(s)</b>	Michael Stamm	<b>Grade 8</b>	<b>Town</b> Newington
	Patrick Nguyen	<b>Grade 8</b>	<b>Town</b> Newington
	Anthony Carlson	<b>Grade 8</b>	<b>Town</b> Newington

### U.S. Coast Guard Research and Development Center

<b>Award</b>	Summer internship to conduct research aboard ship or at a USCG base + \$50 Amazon Gift Card given by CSEF. ALTERNATE 2		
<b>School</b>	<b>Brunswick School</b>	<b>Greenwich</b>	<b>Dana Montanez</b>
<b>Project Title</b>	A Comparative Analysis of Rotating Solar Cubes vs. Horizontal Solar Arrays		
<b>Proj. No.</b>	<b>6023</b>		
<b>Student(s)</b>	William Gorman	<b>Grade 10</b>	<b>Town</b> Bedford

<b>Award</b>	Summer internship to conduct research aboard ship or at a USCG base + \$50 Amazon Gift Card given by CSEF. ALTERNATE 1		
<b>School</b>	<b>Suffield High School</b>	<b>Suffield</b>	<b>Mitchell Charkiewicz</b>
<b>Project Title</b>	Reverse Osmosis Water Desalination Via the Harnessing of Perpetual Wave Energy		
<b>Proj. No.</b>	<b>6081</b>		
<b>Student(s)</b>	Matthew Rogers	<b>Grade 11</b>	<b>Town</b> Suffield

<b>Award</b>	Summer internship to conduct research aboard ship or at a USCG base + \$50 Amazon Gift Card given by CSEF.		
<b>School</b>	<b>Amity Regional High School</b>	<b>Woodbridge</b>	<b>Deborah Day</b>
<b>Project Title</b>	Creating a Semantic Search Engine with Voice Integration		
<b>Proj. No.</b>	<b>6082</b>		
<b>Student(s)</b>	David Wang	<b>Grade 11</b>	<b>Town</b> Bethany

**U.S. Metric Association**

<b>Award</b>	Certificate & \$50 gift card to Amazon given by CSEF		
<b>School</b>	Amity Regional High School	Woodbridge	Deborah Day
<b>Project Title</b>	The Effects of Atypical PH on Bay Scallops ( <i>Argopecten irradians</i> )		
<b>Proj. No.</b>	3002		
<b>Student(s)</b>	Dana Perry	Grade 12	Town Bethany

<b>Award</b>	Certificate & \$50 gift card to Amazon given by CSEF		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Synthesis of an Electromagnetically-Controlled Corn-Starch/PVA Biopolymer Microstructure for Extended and Targeted Drug Delivery		
<b>Proj. No.</b>	6015		
<b>Student(s)</b>	Margaret Cirino	Grade 10	Town Greenwich

**Unilever Trumbull R&D**

<b>Award</b>	Shadow Day at Unilever Trumbull R&D Centre		
<b>School</b>	Southern CT Hebrew Academy	Orange	Karen Howell
<b>Project Title</b>	Analysis of Safer Electroplating Metals and Electrolyte solutions with their Environmental Impact		
<b>Proj. No.</b>	4003		
<b>Student(s)</b>	Meira Shleifer	Grade 8	Town Waterbury
	Zahava Klein	Grade 8	Town New Haven

<b>Award</b>	Shadow Day at Unilever Trumbull R&D Centre		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Novel Creation of a versatile, low-cost water purification system via a graphene oxide-TiO <sub>2</sub> composite membrane with incorporated electrified nanostructures		
<b>Proj. No.</b>	6095		
<b>Student(s)</b>	Sophie Bardos	Grade 11	Town Riverside

### United States Public Health Service

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF & medallion		
<b>School</b>	St. Thomas Aquinas Catholic School	Fairfield	Philip Flynn
<b>Project Title</b>	Food & Texture: Does seeing the food affect your liking a food that has changed from its original texture?		
<b>Proj. No.</b>	2533		
<b>Student(s)</b>	Conor Landry	Grade 8	Town Fairfield

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF & medallion		
<b>School</b>	Southern CT Hebrew Academy	Orange	Karen Howell
<b>Project Title</b>	Analysis of Nature's Digestive Enzymes and Effect of Inhibitors and Enhancers on Nutrition and Cell Absorption.		
<b>Proj. No.</b>	4010		
<b>Student(s)</b>	Esther Lipsker	Grade 8	Town Stamford
	Chana Kalmanson	Grade 8	Town New Haven

### University of Connecticut - Physics Department

<b>Award</b>	UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Enhancement of antibiotic effects on various species of bacterium via infusion of silver nanoparticles		
<b>Proj. No.</b>	3092		
<b>Student(s)</b>	Andrew Lim	Grade 11	Town Old Greenwich

<b>Award</b>	UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat		
<b>School</b>	Daniel Hand High School	Madison	Madhuparna Roychoudhury
<b>Project Title</b>	Power generation via downdraft of humidified dry air		
<b>Proj. No.</b>	6064		
<b>Student(s)</b>	Ankita Roychoudhury	Grade 10	Town Madison

<b>Award</b>	UCONN Physics Department - Co-Op \$100 Gift Certificate		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	The effect of application of a solenoid on the magnetic properties of gadolinium at varying temperatures and current levels.		
<b>Proj. No.</b>	6090		
<b>Student(s)</b>	Max Marcussen	Grade 11	Town Riverside

### University of Connecticut Academic Excellence Scholarship

<b>Award</b>	Academic Excellence Scholarship - \$5000 a year for each of four academic years- \$20,000 total		
<b>School</b>	Greater Hartford Academy of Math &	Hartford	Dr.Aramli
<b>Project Title</b>	Zeolite Zaps Cancer Cells		
<b>Proj. No.</b>	3039		
<b>Student(s)</b>	Jacqueline Klepinger	Grade 11	Town Wethersfield

### University of New Haven High School Awards in Engineering & Science

<b>Award</b>	\$100 For High School Project in Engineering: Electrical		
<b>School</b>	Glastonbury High School	Glastonbury	Dr. Ali Bazzi
<b>Project Title</b>	Evaluation of Several Resonant Power Electronic Converters in Capacitively Coupled Wireless Energy Transmitters		
<b>Proj. No.</b>	6068		
<b>Student(s)</b>	Paul Han	Grade 11	Town Glastonbury

<b>Award</b>	\$100 For High School Project in Biochemistry		
<b>School</b>	Bridgeport Regional Aquaculture School	Bridgeport	Mr. Shadle
<b>Project Title</b>	Development of Non-toxic Photostabilized Phycocerythrin for Application in Dye Sensitized Solar Cells		
<b>Proj. No.</b>	3118		
<b>Student(s)</b>	Eunsun Hong	Grade 12	Town Shelton

<b>Award</b>	\$100 For High School Project in Cell and Molecular Biology		
<b>School</b>	SCSEF - Old Saybrook Senior High School	Redding	Kellie Sutliff-Brady
<b>Project Title</b>	Elevated Levels Of Interleukin-8 in Non-Small Cell Lung Cancers induce Cell Survival During Chemotherapy		
<b>Proj. No.</b>	3075		
<b>Student(s)</b>	Andrew Pan	Grade 12	Town Old Saybrook

<b>Award</b>	\$100 For High School Project in Chemisty		
<b>School</b>	Greens Farms Academy	Greens Farms	Dr.Freeman
<b>Project Title</b>	Optimization of Reflectivity of GaN for Solar Applications		
<b>Proj. No.</b>	6039		
<b>Student(s)</b>	Matthew Lichtenberg	Grade 11	Town Satmford

<b>Award</b>	\$100 For High School Project in Computer Science		
<b>School</b>	<b>Amity Regional High School</b>	<b>Woodbridge</b>	<b>Deborah Day</b>
<b>Project Title</b>	Echocardiogram-Based Wireless Left Ventricular Assist Device (LVAD) with Mobile Application Monitoring and Control		
<b>Proj. No.</b>	<b>6509</b>		
<b>Student(s)</b>	Daniel Giebisch	<b>Grade</b> 12	<b>Town</b> Woodbridge
	Noah Gallant	<b>Grade</b> 12	<b>Town</b> Bethany

<b>Award</b>	\$100 For High School Project in Energy & Transportation		
<b>School</b>	<b>Brunswick School</b>	<b>Greenwich</b>	<b>Dana Montanez</b>
<b>Project Title</b>	Revolutionizing A 16th Century Product For The Modern World: A Thermoelectric Chair That Creates Energy From The Human Touch		
<b>Proj. No.</b>	<b>6051</b>		
<b>Student(s)</b>	Angus Fraser	<b>Grade</b> 11	<b>Town</b> Darien

<b>Award</b>	\$100 For High School Project in Engineering: Mechanical		
<b>School</b>	<b>Daniel Hand High School</b>	<b>Madison</b>	<b>Madhuparna Roychoudhury</b>
<b>Project Title</b>	Ferromagnetism: Using ferromagnetic fluid to control prosthetics		
<b>Proj. No.</b>	<b>6062</b>		
<b>Student(s)</b>	Shayan Roychoudhury	<b>Grade</b> 12	<b>Town</b> Madison

<b>Award</b>	\$100 For High School Project in Environmental Science		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Novel Creation of a versatile, low-cost water purification system via a graphene oxide-TiO2 composite membrane with incorporated electrified nanostructures		
<b>Proj. No.</b>	<b>6095</b>		
<b>Student(s)</b>	Sophie Bardos	<b>Grade</b> 11	<b>Town</b> Riverside

<b>Award</b>	\$100 For High School Project in Mathematics		
<b>School</b>	<b>Ridgefield High School</b>	<b>Ridgefield</b>	<b>Michael Yagid</b>
<b>Project Title</b>	Maximization of the Profit of a Large, Prestigious University in the Presence of a State University		
<b>Proj. No.</b>	<b>6086</b>		
<b>Student(s)</b>	Adam Davidovich	<b>Grade</b> 12	<b>Town</b> Ridgefield

<b>Award</b>	\$100 For High School Project in Microbiology		
<b>School</b>	<b>Glastonbury High School</b>	<b>Glastonbury</b>	<b>Ms.Pintavalle</b>
<b>Project Title</b>	Investigating Inhibitors of Dihydrofolate Reductase Enzymes of Streptococcus pyogenes and Staphylococcus aureus		
<b>Proj. No.</b>	<b>3005</b>		
<b>Student(s)</b>	Sara Tavakoli	<b>Grade</b> 11	<b>Town</b> Glastonbury



<b>Award</b>	\$100 For High School Project in Sustainability		
<b>School</b>	<b>Suffield High School</b>	<b>Suffield</b>	<b>Mitchell Charkiewicz</b>
<b>Project Title</b>	Reverse Osmosis Water Desalination Via the Harnessing of Perpetual Wave Energy		
<b>Proj. No.</b>	<b>6081</b>		
<b>Student(s)</b>	Matthew Rogers	<b>Grade</b> 11	<b>Town</b> Suffield

### 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>Daniel Hand High School</b>	<b>Madison</b>	<b>Madhuparna Roychoudhury</b>
<b>Project Title</b>	Power generation via downdraft of humidified dry air		
<b>Proj. No.</b>	<b>6064</b>		
<b>Student(s)</b>	Ankita Roychoudhury	<b>Grade</b> 10	<b>Town</b> Madison

### Wisner Award

<b>Award</b>	\$250 cash and plaque		
<b>School</b>	<b>Suffield High School</b>	<b>Suffield</b>	<b>Mitchell Charkiewicz</b>
<b>Project Title</b>	Reverse Osmosis Water Desalination Via the Harnessing of Perpetual Wave Energy		
<b>Proj. No.</b>	<b>6081</b>		
<b>Student(s)</b>	Matthew Rogers	<b>Grade</b> 11	<b>Town</b> Suffield

### Yale Peabody Museum

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	<b>Staples High School</b>	<b>Westport</b>	<b>Dr. Morse</b>
<b>Project Title</b>	Antimicrobial Activity of Lichen Extracts		
<b>Proj. No.</b>	<b>3003</b>		
<b>Student(s)</b>	Pamela Onorato	<b>Grade</b> 12	<b>Town</b> Westport

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	<b>Bridgeport Regional Aquaculture School</b>	<b>Bridgeport</b>	<b>Mr. Kirk P. Shadle</b>
<b>Project Title</b>	Utilizing Piscivorous Birds as Low-Impact Primary Biological Indicators		
<b>Proj. No.</b>	<b>3040</b>		
<b>Student(s)</b>	Sophie Kay	<b>Grade</b> 12	<b>Town</b> Fairfield

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	Fairchild Wheeler Magnet High School	Bridgeport	L.Ciucci
<b>Project Title</b>	The Efficiency of Bivalve Mollusk Filter Feeding in the Long Island Sound		
<b>Proj. No.</b>	3053		
<b>Student(s)</b>	Elijah Rodriguez	Grade 9	Town Stratford

<b>Award</b>	One-Year Family Membership to the Yale Peabody Museum		
<b>School</b>	St. Rose of Lima School	Newtown	Mardi Dimon
<b>Project Title</b>	An Investigation of the Ingestion of Microscopic Plastic Particles by the Blue Mussel, Mytilus edulis		
<b>Proj. No.</b>	2524		
<b>Student(s)</b>	Catherine Herrick	Grade 8	Town Sandy Hook

<b>Award</b>	One-Year Family Membership to the Yale Peabody Museum		
<b>School</b>	Fishers Island School	Fishers Island	Mrs. Giles
<b>Project Title</b>	Assessing Changes in Growth Rate of the American Lobster Under Different Environmental Stressors as Modeled by the Red Swamp Crayfish		
<b>Proj. No.</b>	3119		
<b>Student(s)</b>	Elias Kane	Grade 11	Town Groton

### Yale Science & Engineering Association, Inc.

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Brunswick School	Greenwich	Dana Montanez
<b>Project Title</b>	Revolutionizing A 16th Century Product For The Modern World: A Thermoelectric Chair That Creates Energy From The Human Touch		
<b>Proj. No.</b>	6051		
<b>Student(s)</b>	Angus Fraser	Grade 11	Town Darien

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Investigation of a Bacteriorhodopsin-Pt/TiO2 Hybrid System for Enhanced Nanophotocatalytic Production of Hydrogen		
<b>Proj. No.</b>	6026		
<b>Student(s)</b>	Mark Stich	Grade 11	Town Greenwich