



**Conn. Science & Engineering Fair**  
**Quinnipiac University**  
**March 15 - 19, 2016**

*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	St. Joseph School	Danbury	Jennifer Reilly
Project Title	Influence of Climate Change on Lobster Population in Buzzards Bay Massachusetts: Implications for Long Island Sound		
Proj. No.	2538		
Student(s)	Bradley Kerr	Grade 8	Town Danbury

Award	\$100 Junior, Environmental Research, waste recycling related		
School	Westside Middle School Academy	Danbury	Jonathon Neuhausel
Project Title	The effect that different ingredient ratios have on the mechanical strength of bioplastics.		
Proj. No.	5561		
Student(s)	Sanjana Shriram	Grade 8	Town Danbury

Award	\$100 Senior, Environmental Research, air pollution related		
School	Fairfield College Preparatory School	Fairfield	Mrs. Kiel
Project Title	Examining the effectiveness of phytoremediation of heavy metals in water using Elodea Canadensis and Brassica Juncea.		
Proj. No.	3015		
Student(s)	Jonathan Siveyer	Grade 11	Town Monroe

Award	\$100 Senior, Environmental Research, waste recycling related		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Self-Sustaining Biosynthesis of Methane from CO <sub>2</sub> via a Microbial & Electrochemical Hybrid System		
Proj. No.	6015		
Student(s)	Devyn Zaminski	Grade 11	Town Greenwich

**Alumni Botany Awards**

<b>Award</b>	Alumni High School Botany Award- \$100 Cash		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Battling Honey Bee CCD via Reduction of Neonicotinoid Content in Guttation Droplets using Biochar Soil Additives		
<b>Proj. No.</b>	3004		
<b>Student(s)</b>	Derek Woo	Grade 11	Town Greenwich

<b>Award</b>	Alumni Middle School Botany Award- \$100 Cash		
<b>School</b>	St. Gregory the Great School	Danbury	Christine Fahey
<b>Project Title</b>	The Effect of Salt on Plant Growth		
<b>Proj. No.</b>	1020		
<b>Student(s)</b>	Eric McNamara	Grade 7	Town Danbury
	Thomas Fahey	Grade 7	Town Danbury

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

<b>Award</b>	\$200 award, certificate		
<b>School</b>	St. Gabriel School	Windsor	Mrs. Rosa
<b>Project Title</b>	What shapes your Chute?		
<b>Proj. No.</b>	4021		
<b>Student(s)</b>	Kennedy Tor	Grade 8	Town Windsor
	Sean Glick	Grade 8	Town Windsor

<b>Award</b>	\$200 award, certificate		
<b>School</b>	Westside Middle School Academy	Danbury	Jonathan Neuhausel
<b>Project Title</b>	Effect of Nozzle Size for Compressed Air Water Rockets		
<b>Proj. No.</b>	5035		
<b>Student(s)</b>	Gryffin Syme	Grade 7	Town Danbury

### American Meteorological Society

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	North Haven Middle School	North Haven	Susan Jasinski
<b>Project Title</b>	Developing a low-cost Green Algae Photobioreactor		
<b>Proj. No.</b>	2033		
<b>Student(s)</b>	Luke Barrett	Grade 7	Town North Haven

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	J.F. Kennedy Middle School	Plantsville	Mrs.Pepin
<b>Project Title</b>	Growing Algae		
<b>Proj. No.</b>	1013		
<b>Student(s)</b>	Kailey Keegan	Grade 7	Town Plantsville
	Dylan Sandow	Grade 7	Town Plantsville

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	St. Joseph School	Danbury	Jennifer Reilly
<b>Project Title</b>	Influence of Climate Change on Lobster Population in Buzzards Bay Massachusetts: Implications for Long Island Sound		
<b>Proj. No.</b>	2538		
<b>Student(s)</b>	Bradley Kerr	Grade 8	Town Danbury

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	Weston Middle School	Weston	David Rosvally
<b>Project Title</b>	Natural Water Filters		
<b>Proj. No.</b>	5020		
<b>Student(s)</b>	Jade Dayton	Grade 7	Town Weston

<b>Award</b>	Certificate & \$50 Amazon gift card given by CSEF		
<b>School</b>	Amity Reg Middle School, Orange Campus	Orange	Mr. Dahn/Foley
<b>Project Title</b>	Designing a Cost-Efficient Energy Solution Utilizing Solar and Wind Energy for Small Scale Use		
<b>Proj. No.</b>	5527		
<b>Student(s)</b>	Shahood Khan	Grade 8	Town Orange

### American Psychological Association

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Waltersville School	Bridgeport	Miss Kendrick
<b>Project Title</b>	Memory Mnemonics		
<b>Proj. No.</b>	2523		
<b>Student(s)</b>	Jalene Rivera	Grade 8	Town Bridgeport

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Norwich Technical High School	Norwich	Mrs. Lisa Elliott
<b>Project Title</b>	Stopping the stigma on obsessive comulsive disorder (OCD)		
<b>Proj. No.</b>	3104		
<b>Student(s)</b>	Carley Fratoni	Grade 12	Town Norwich

<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>	Integration of Auditory and Visual Features of Speech Perception in Schizophrenia: A Neurophysiological Investigation of the McGurk Effect		
<b>Proj. No.</b>	3514		
<b>Student(s)</b>	Yiran Zhang	Grade 12	Town Orange
	Eli Silvert	Grade 12	Town Woodbridge

### American Society for Metals - Hartford Chapter

<b>Award</b>	\$100 Check		
<b>School</b>	CT STEM FAIR	Redding	Deborah Day
<b>Project Title</b>	The Fabrication and Characterization of Carbon Nanotubes Using Different Transition Metal Nanoparticles		
<b>Proj. No.</b>	6078		
<b>Student(s)</b>	Jacob Silliman	Grade 10	Town Woodbridge

<b>Award</b>	\$100 Check		
<b>School</b>	Staples High School	Westport	Nick Morgan
<b>Project Title</b>	Synthesis, Characterization, and Application of Noble Metal and Noble Metal Alloy Nanoparticles to Proton Exchange Membrane Fuel Cells for Enhanced Catalytic Activity		
<b>Proj. No.</b>	6502		
<b>Student(s)</b>	Xiaotian Zhang	Grade 12	Town Westport
	Arun Soni	Grade 12	Town Westport

Award	\$100 check		
School	St. James School	Manchester	Mrs. Plante
Project Title	Nailed It		
Proj. No.	4003	Nails and Liquids That Corrode Them	
Student(s)	Kate Leyden	Grade 7	Town Manchester
	Max Lambert	Grade 7	Town Manchester

### American Society for Quality - Thames Valley Section

Award	\$250 Cash Award		
School	Shelton High School	Shelton	Charles Fowler
Project Title	How does pitch effect turbine efficiency		
Proj. No.	6081		
Student(s)	Jacob Zuklie	Grade 10	Town Shelton

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

Award	\$100 grade 7-8 project		
School	Park City Prep Charter School	Bridgeport	Vasiliki Boudreau
Project Title	Talking vs Texting		
Proj. No.	4031		
Student(s)	Gloryann De Jesus	Grade 7	Town Bridgeport
	Brianna Ozoria	Grade 7	Town Bridgeport
	Angoline Rivera	Grade 7	Town Bridgeport

Award	\$100 grade 7-8 project		
School	Amity Reg Middle School, Orange Campus	Orange	Mr. Foley/Dahn
Project Title	Non-Newtonian Fluid Headgear to Prevent or Reduce Concussions		
Proj. No.	5504		
Student(s)	Henry Westgard	Grade 8	Town Orange

Award	\$100 grade 7-8 project		
School	Middlebrook Middle School	Wilton	Mrs. Jessica Garcia
Project Title	Building Fire-Resistant Homes		
Proj. No.	5556		
Student(s)	Vignesh Subramanian	Grade 8	Town Wilton

Award	\$150 grade 9-12 project		
School	Suffield High School	Suffield	Mitchell Charkiewicz
Project Title	Measuring Reaction Times to Visual and Auditory Stimuli		
Proj. No.	3064		
Student(s)	Caitlin Kirschbaum	Grade 11	Town Suffield

Award	\$150 grade 9-12 project		
School	CT STEM FAIR	Redding	Deborah Day
Project Title	The Effect of Protective Material Type on Concussion Prevention		
Proj. No.	3093		
Student(s)	Quinn Burke	Grade 10	Town Woodbridge

Award	\$150 grade 9-12 project		
School	Choate Rosemary Hall	Wallingford	Allison Nishitani
Project Title	Preventing Traffic Fatalities With Ultraviolet and Ultrasonic Technology		
Proj. No.	6072		
Student(s)	Jonathan Wu	Grade 9	Town Wilton

### Arthur Mensing Award

Award	\$1000 cash award for excellence in the physical sciences		
School	Stonewall Academy	Tolland	Donald Peck
Project Title	Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines		
Proj. No.	6085		
Student(s)	Amelia Peck	Grade 10	Town Tolland

### ASM Materials Education Foundation

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	Westside Middle School Academy	Danbury	Jonathon Neuhausel
Project Title	The effect that different ingredient ratios have on the mechanical strength of bioplastics.		
Proj. No.	5561		
Student(s)	Sanjana Shriram	Grade 8	Town Danbury

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

**School** Bridgeport Regional Aquaculture Center      **Bridgeport**      **Kirk Shadle**

**Project Title** Novel Application of an Electromagnetic Induction Field to Inhibit Surface Bio-Fouling in the Marine Environment

**Proj. No.** 6026

**Student(s)** Zachary Dillon      **Grade** 12      **Town** Stratford

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

**School** Sport and Medical Sciences Academy      **Hartford**      **Marianne Vitali**

**Project Title** Natural Plastic

**Proj. No.** 5005

**Student(s)** Madison Lee      **Grade** 7      **Town** Rocky Hill

### Association for Women Geoscientists

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

**School** Engineering Science University Magnet      **New Haven**      **Mr. Rushworth**

**Project Title** Does Distance From a Nuclear Power Plant a Affect Plant Growth?

**Proj. No.** 5002

**Student(s)** Eva Heaphy      **Grade** 7      **Town** New Haven

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

**School** Amity Reg Middle School, Bethany Campus      **Bethany**      **Mr. Berean**

**Project Title** The Eco-Charge

**Proj. No.** 5541

**Student(s)** Sophia Wang      **Grade** 8      **Town** Woodbridge

**Award** Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition

**School** Hamden Middle School      **Hamden**      **Danny Martins**

**Project Title** Nitrates and pH and Rain, Oh My!

**Proj. No.** 4037

**Student(s)** Paige Campbell      **Grade** 8      **Town** Hamden

Katherine Bergherr-Hall      **Grade** 8      **Town** Hamden

**Astronomical Society of Greater Hartford**

<b>Award</b>	Junior Project-\$100, subscription to Sky and Telescope magazine and ASGH meeting invitation		
<b>School</b>	<b>Westside Middle School Academy</b>	<b>Danbury</b>	<b>Jonathan Neuhausel</b>
<b>Project Title</b>	Effect of Nozzle Size for Compressed Air Water Rockets		
<b>Proj. No.</b>	<b>5035</b>		
<b>Student(s)</b>	Gryffin Syme	<b>Grade 7</b>	<b>Town Danbury</b>

<b>Award</b>	Senior Project-\$150, subscription to Sky and Telescope magazine and ASGH meeting invitation		
<b>School</b>	<b>Beacon School</b>	<b>Stamford</b>	<b>John Henderson</b>
<b>Project Title</b>	Providing a Design Suggesting the Viability of IHTP Thrusters for Commercial Use		
<b>Proj. No.</b>	<b>6077</b>		
<b>Student(s)</b>	Thomas Cortellesi	<b>Grade 11</b>	<b>Town Darien</b>

**ASU Walton Sustainability Solutions Initiatives**

<b>Award</b>	Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card		
<b>School</b>	<b>Fishers Island School</b>	<b>Fishers Island</b>	<b>Mrs. Carol Giles</b>
<b>Project Title</b>	Assessing the Efficiency and Ecological Impact of Various Anti-fouling Methods		
<b>Proj. No.</b>	<b>3013</b>		
<b>Student(s)</b>	Elias Kane	<b>Grade 12</b>	<b>Town Groton</b>

<b>Award</b>	Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card		
<b>School</b>	<b>Shelton High School</b>	<b>Shelton</b>	<b>Dr. Tosca Rivera</b>
<b>Project Title</b>	Biodegradable Plastic Study to Prevent Oceanic Pollution		
<b>Proj. No.</b>	<b>3122</b>		
<b>Student(s)</b>	Marissa Peck	<b>Grade 11</b>	<b>Town Shelton</b>

<b>Award</b>	Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Self-Sustaining Biosynthesis of Methane from CO2 via a Microbial & Electrochemical Hybrid System		
<b>Proj. No.</b>	<b>6015</b>		
<b>Student(s)</b>	Devyn Zaminski	<b>Grade 11</b>	<b>Town Greenwich</b>



**Award** Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card

**School** **Bridgeport Regional Aquaculture Center**      **Bridgeport**      **Kirk Shadle**

**Project Title** Novel Application of an Electromagnetic Induction Field to Inhibit Surface Bio-Fouling in the Marine Environment

**Proj. No.** **6026**

**Student(s)** Zachary Dillon      **Grade** 12      **Town** Stratford

**Award** Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card

**School** **Immaculate High School**      **Danbury**      **Mrs. Bridget Henry**

**Project Title** Novel Glycerol-Free Biodiesel Production Using Enzyme Catalysis

**Proj. No.** **6042**

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

**Award** Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card

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

**Project Title** Water Droplet Repulsion and Reduced Icing Tendencies on Superhydrophobic Surfaces

**Proj. No.** **6057**

**Student(s)** Haley Stober      **Grade** 10      **Town** Old Greenwich

### Banning Family Life Science Award

**Award** For excellence in invasive species research, \$100 cash

**School** **Shelton High School**      **Shelton**      **Mrs. Dunham**

**Project Title** The Effects of Sea Squirts on the Habitats of Native Species in Long Island Sound

**Proj. No.** **3055**

**Student(s)** William Simics      **Grade** 12      **Town** Shelton

### Barker Mohandas Awards for Transportation Research

**Award** \$100 Cash & Plaque for Excellence in Transportation Related Research- Middle School

**School** **ACES Thomas Edison Middle School**      **Meriden**      **Todd Solli**

**Project Title** How Does Height Affect Structure Stability?

**Proj. No.** **5019**

**Student(s)** Kaya Cook      **Grade** 7      **Town** Middletown

<b>Award</b>	\$200 Cash & Plaque for Excellence in Transportation Related Research- High School		
<b>School</b>	<b>Brunswick School</b>	<b>Greenwich</b>	<b>Dana Montanez</b>
<b>Project Title</b>	Optimizing Efficiency of Urban,Track-based Rapid Transit Systems		
<b>Proj. No.</b>	<b>6037</b>		
<b>Student(s)</b>	Wesley Peisch	<b>Grade</b> 10	<b>Town</b> Greenwich

### Biophysical Society

<b>Award</b>	Biophysics Award- \$100		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Mr. Andrew Bramante</b>
<b>Project Title</b>	Development of a Portable, Tattoo-Based Biosensor for the Non-Invasive, Low-Cost Diagnosis of Atherosclerosis via Iontophoresis of Macrophage-Targeting Silver Nanoparticles		
<b>Proj. No.</b>	<b>3029</b>		
<b>Student(s)</b>	William Yin	<b>Grade</b> 11	<b>Town</b> Riverside

### Bob Harris Fix It Award

<b>Award</b>	\$75 and Certificate for ingenuity in using material and tools		
<b>School</b>	<b>St. Matthew School</b>	<b>Forestville</b>	<b>Mrs. MaryEllen Schigas</b>
<b>Project Title</b>	Prosthetics Making the disabled able.		
<b>Proj. No.</b>	<b>2045</b>		
<b>Student(s)</b>	Sophia Gerst	<b>Grade</b> 7	<b>Town</b> Bristol

<b>Award</b>	\$75 and Certificate for ingenuity in using material and tools		
<b>School</b>	<b>Oei - Homeschool</b>	<b>Hebron</b>	<b>Ellen McHugh</b>
<b>Project Title</b>	Hydropower Tiles: A Novel Approach to Harvesting Energy from Human Locomotion		
<b>Proj. No.</b>	<b>5026</b>		
<b>Student(s)</b>	John Oei	<b>Grade</b> 7	<b>Town</b> Hebron

### 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>	Bethel High School	Bethel	Ray Turek
<b>Project Title</b>	Decoding Dangerous DNA		
<b>Proj. No.</b>	3038		
<b>Student(s)</b>	Monisha Das	Grade 12	Town Bethel

<b>Award</b>	\$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	In silico Prediction of Breast Cancer Cellular Response to Drug Therapies using Random Forests Algorithms		
<b>Proj. No.</b>	3065		
<b>Student(s)</b>	Shobhita Sundaram	Grade 10	Town Greenwich

### 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>	Christian Heritage School	Trumbull	Daniel Cote
<b>Project Title</b>	Efficient green energy: The design, fabrication and testing of a Helio-tracker sunflower style power generator for enhancing the efficiency of solar power generation		
<b>Proj. No.</b>	6001		
<b>Student(s)</b>	Chengwen Hu	Grade 11	Town Madison

### Connecticut Academy of Audiology

<b>Award</b>	\$150 Cash Award Middle School- For Excellence in Audiology and Acoustics		
<b>School</b>	Canton Middle School	Canton	Mr. Riley
<b>Project Title</b>	The Note Glove		
<b>Proj. No.</b>	4026		
<b>Student(s)</b>	Gabriel Mower	Grade 8	Town Canton
	Adam Obrzut	Grade 8	Town Canton

<b>Award</b>	\$150 Cash Award Middle School- For Excellence in Audiology and Acoustics		
<b>School</b>	Engineering Science University Magnet	New Haven	Roger Rushworth
<b>Project Title</b>	Polyurethane Foam as Acoustic Insulation for uses in Aviation Technology		
<b>Proj. No.</b>	5545		
<b>Student(s)</b>	Arya Bairat	Grade 8	Town Milford

### 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>	Producing Renewable Energy Using Piezoelectric Walking Surfaces		
<b>Proj. No.</b>	5518		
<b>Student(s)</b>	Dravyn Okoney	Grade 8	Town Bozrah

<b>Award</b>	Leonardo Davinci Award 9-12 Grade \$50 Gift Certificate		
<b>School</b>	Sacred Heart Academy	Hamden	Mrs. Pam Brownell
<b>Project Title</b>	Is Oobleck the Key to Solving Beach Erosion?		
<b>Proj. No.</b>	6067		
<b>Student(s)</b>	Ashley Amarante	Grade 10	Town Wallingford

### Connecticut Association of Physics Teachers

<b>Award</b>	\$100 Senior project		
<b>School</b>	Canton High School	Canton	Stephen Riley
<b>Project Title</b>	Saxophone Overtones		
<b>Proj. No.</b>	6084		
<b>Student(s)</b>	Zachary Oliver	Grade 12	Town Canton

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

<b>Award</b>	\$150 and certificate, Junior Physics & teeshirt		
<b>School</b>	J.A. DePaolo Middle School	Southington	Ms. Shea
<b>Project Title</b>	Battle of the Loops		
<b>Proj. No.</b>	5008		
<b>Student(s)</b>	Faith Kosior	Grade 7	Town Southington

<b>Award</b>	\$150 and certificate, Senior Physics & teeshirt		
<b>School</b>	Canton High School	Canton	Stephen Riley
<b>Project Title</b>	Saxophone Overtones		
<b>Proj. No.</b>	6084		
<b>Student(s)</b>	Zachary Oliver	Grade 12	Town Canton

### Connecticut Invention Convention “Next Step Inventors”

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”

**School** **North Haven Middle School** **North Haven** **Susan Jasinski**

**Project Title** Developing a low-cost Green Algae Photobioreactor

**Proj. No.** **2033**

**Student(s)** Luke Barrett **Grade** 7 **Town** North Haven

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”

**School** **Middlebrook Middle School** **Wilton** **Paige Randall**

**Project Title** Banana Peels: Second Life as a Water Purifier

**Proj. No.** **2065**

**Student(s)** Anika Bhagavatula **Grade** 7 **Town** Wilton

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”

**School** **Talcott Mountain Academy** **Avon** **Jessica Lodwick**

**Project Title** Utilizing Microbes And Chlorella Vulgaris Algae To Construct An Eco-Friendly Microbial Fuel Cell

**Proj. No.** **2510**

**Student(s)** Yusuf Zaidi **Grade** 8 **Town** Avon

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”

**School** **St. Joseph School** **Danbury** **Jennifer Reilly**

**Project Title** Efficient Low Energy Salt Water Desalination

**Proj. No.** **5004**

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

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”

**School** **Sport and Medical Sciences Academy** **Hartford** **Marianne Vitali**

**Project Title** Natural Plastic

**Proj. No.** **5005**

**Student(s)** Madison Lee **Grade** 7 **Town** Rocky Hill

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

**School** **Oei - Homeschool** **Hebron** **Ellen McHugh**

**Project Title** Hydropower Tiles: A Novel Approach to Harvesting Energy from Human Locomotion

**Proj. No.** **5026**

**Student(s)** John Oei **Grade** 7 **Town** Hebron

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

**School** **Westside Middle School Academy** **Danbury** **Mr. Neuhausel**

**Project Title** Harvesting Wind From Street Canyons Using A Double Helix Wind Turbine

**Proj. No.** **5530**

**Student(s)** Jeffrey Osborne **Grade** 8 **Town** Danbury

**Award** \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

**School** **Amity Reg Middle School, Bethany Campus** **Bethany** **Mr. Berean**

**Project Title** The Hand-Writer Helper

**Proj. No.** **5567**

**Student(s)** Michael Baitch **Grade** 8 **Town** Woodbridge

### Connecticut Nurserymen's Foundation, Inc.

**Award** \$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting

**School** **Suffield High School** **Suffield** **Mitchell Charkiewicz**

**Project Title** How the Sediment From Water Help to Affect Crop Yield of Pea Plants

**Proj. No.** **3505**

**Student(s)** Jason Werenski **Grade** 11 **Town** Suffield  
Yash Mehta **Grade** 11 **Town** Suffield

**Award** \$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting

**School** **Warren Harding High School** **Bridgeport** **Lilliam I. Solis**

**Project Title** The Plant and the Microwave

**Proj. No.** **6075**

**Student(s)** Jais Cordonero **Grade** 9 **Town** Bridgeport

### Connecticut Science Supervisors Association

<b>Award</b>	\$125 for a high school project		
<b>School</b>	Masthay - Homeschool	Broad Brook	Melissa Masthay
<b>Project Title</b>	Exploring the Effects of Eutrophication on an Aquatic Ecosystem		
<b>Proj. No.</b>	3092		
<b>Student(s)</b>	Jamie Masthay	Grade 10	Town Broad Brook

<b>Award</b>	\$125 for a middle school project		
<b>School</b>	St. Gregory the Great School	Danbury	Mrs. Fahey
<b>Project Title</b>	Let's Go Bananas! The Effect Of Ripeness On Banana DNA Extraction		
<b>Proj. No.</b>	1024		
<b>Student(s)</b>	Zachary Meyerson	Grade 7	Town Danbury
	Dionie Smith	Grade 7	Town Danbury

### Constellation, an Exelon Company

<b>Award</b>	1st: \$125.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy		
<b>School</b>	St. Timothy Middle School	West Hartford	Mrs. Christina Simao-Breen
<b>Project Title</b>	Sustainable Wireless Powered House		
<b>Proj. No.</b>	5550		
<b>Student(s)</b>	Steven Liu	Grade 8	Town West Hartford

<b>Award</b>	1st: \$200.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy		
<b>School</b>	Stonewall Academy	Tolland	Donald Peck
<b>Project Title</b>	Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines		
<b>Proj. No.</b>	6085		
<b>Student(s)</b>	Amelia Peck	Grade 10	Town Tolland

<b>Award</b>	2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy		
<b>School</b>	Science and Technology Magnet HS	New London	Mr. Mulligan
<b>Project Title</b>	Using Heat Sinks In Integrated Photovoltaic Systems To Enhance Hydrogen Production Through Electrolysis		
<b>Proj. No.</b>	6506		
<b>Student(s)</b>	John Burnett	Grade 10	Town Ledyard
	Austin Huang	Grade 10	Town Uncasville

<b>Award</b>	2nd: \$75.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy		
<b>School</b>	<b>Fields Memorial School</b>	<b>Bozrah</b>	<b>Evelyn Brown</b>
<b>Project Title</b>	Producing Renewable Energy Using Piezoelectric Walking Surfaces		
<b>Proj. No.</b>	<b>5518</b>		
<b>Student(s)</b>	Dravyn Okoney	<b>Grade 8</b>	<b>Town</b> Bozrah

### CSF Board of Directors Award

<b>Award</b>	certificate and \$50 Amazon gift card given by CSF		
<b>School</b>	<b>St. Paul Catholic High School</b>	<b>Bristol</b>	<b>Mr Aliberti</b>
<b>Project Title</b>	A Novel Approach To Help Households Use Less Water		
<b>Proj. No.</b>	<b>6006</b>		
<b>Student(s)</b>	Kamila Krawczuk	<b>Grade 10</b>	<b>Town</b> New Britain

<b>Award</b>	certificate and \$50 Amazon gift card given by CSF		
<b>School</b>	<b>Wilbur Cross High School</b>	<b>New Haven</b>	<b>Caroline Dahm</b>
<b>Project Title</b>	Exploring conditions for Struvite precipitation and crystal growth.		
<b>Proj. No.</b>	<b>6038</b>		
<b>Student(s)</b>	Maya Geradi	<b>Grade 10</b>	<b>Town</b> New Haven

### Ct Architecture Foundation Award Name: The William M. Mack, AIA Award

<b>Award</b>	\$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.		
<b>School</b>	<b>St. Paul Catholic High School</b>	<b>Bristol</b>	<b>Mr Aliberti</b>
<b>Project Title</b>	A Novel Approach To Help Households Use Less Water		
<b>Proj. No.</b>	<b>6006</b>		
<b>Student(s)</b>	Kamila Krawczuk	<b>Grade 10</b>	<b>Town</b> New Britain

<b>Award</b>	\$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.		
<b>School</b>	<b>Brunswick School</b>	<b>Greenwich</b>	<b>Dana Montanez</b>
<b>Project Title</b>	Improving Standard of Living for Refugees: Use of Recycled Materials to modify internal temperature and dryness, and to provide electricity and water in tented housing		
<b>Proj. No.</b>	<b>6031</b>		
<b>Student(s)</b>	Lachlan Rosato	<b>Grade 11</b>	<b>Town</b> Greenwich



**David and Torrey Fenton Awards**

<b>Award</b>	For creative work in the physical sciences- \$250 cash		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Construction of an Agonistic Pneumatic Artificial Muscle Air Conservation System		
<b>Proj. No.</b>	6043		
<b>Student(s)</b>	Wesley Heim	Grade 10	Town Cos Cob

**Demos R Us Award**

<b>Award</b>	\$150 Cash Award- Clear Execution of Research		
<b>School</b>	St. Joseph School	Danbury	Mrs. Jennifer Reilly
<b>Project Title</b>	Electrolytes: Which Sport Drinks Helps the Body Recover the Most After An Endurance Workout?		
<b>Proj. No.</b>	5533		
<b>Student(s)</b>	Brigid Gage	Grade 8	Town Danbury

**Dreams Unlimited Award**

<b>Award</b>	\$100 Cash Award + Certificate		
<b>School</b>	J.A. DePaolo Middle School	Southington	Ms. Shea
<b>Project Title</b>	Battle of the Loops		
<b>Proj. No.</b>	5008		
<b>Student(s)</b>	Faith Kosior	Grade 7	Town Southington

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

<b>Award</b>	\$100 Award for top environmental or alternative energy project from a New Haven public school		
<b>School</b>	Engineering Science University Magnet	New Haven	Mr. Roger Rushworth
<b>Project Title</b>	An Approach to Converting Pollutant CO2 Emissions into Methanol Fuels to Reduce Environmental Harm from Greenhouse Gases		
<b>Proj. No.</b>	6022		
<b>Student(s)</b>	Prastik Mohanraj	Grade 9	Town Ansonia

**Fox Pest Control Award for Environmental Management**

<b>Award</b>	\$150 Cash for Excellence in Environmental Management		
<b>School</b>	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Modified Compost Leachate as a Narrow Spectrum Targeting Herbicide		
<b>Proj. No.</b>	3036		
<b>Student(s)</b>	Sara Beck	Grade 12	Town Milford

**Fred Bailey Memorial Award**

<b>Award</b>	\$250 for innovative research- Hartford Urban Middle School Project		
<b>School</b>	Sport and Medical Sciences Academy	Hartford	Marianne Vitali
<b>Project Title</b>	Natural Plastic		
<b>Proj. No.</b>	5005		
<b>Student(s)</b>	Madison Lee	Grade 7	Town Rocky Hill

<b>Award</b>	\$250 for innovative research- Hartford Urban Middle School Project		
<b>School</b>	Environmental Sciences Magnet at Mary	Hartford	Mr Clark
<b>Project Title</b>	Corked?		
<b>Proj. No.</b>	5016		
<b>Student(s)</b>	Kevin Braunwart	Grade 7	Town Hebron

**Greenwich Shellfish Commission Marine Ecology Awards**

<b>Award</b>	High School Award for Excellence in Marine Ecology Award- Ocean Camp at Project Oceanology		
<b>School</b>	Daniel Hand High School	Madison	Madhuparna Roychoudhury
<b>Project Title</b>	A practical method for CO2 capture by recovering dissolved CO2 in ocean water.		
<b>Proj. No.</b>	6053		
<b>Student(s)</b>	Ankita Roychoudhury	Grade 11	Town Madison

<b>Award</b>	Middle School Award for Excellence in Marine Ecology Award- Ocean Camp at Project Oceanology		
<b>School</b>	St. Joseph School	Danbury	Jennifer Reilly
<b>Project Title</b>	Influence of Climate Change on Lobster Population in Buzzards Bay Massachusetts: Implications for Long Island Sound		
<b>Proj. No.</b>	2538		
<b>Student(s)</b>	Bradley Kerr	Grade 8	Town Danbury

### Henderson Award

<b>Award</b>	Certificate and \$50 Amazon Gift Card given by CSF		
<b>School</b>	St. Gregory the Great School	Danbury	Christine Fahey
<b>Project Title</b>	Electrons...A Pet's Best Friend		
<b>Proj. No.</b>	5521		
<b>Student(s)</b>	Elizabeth Flaherty	Grade 8	Town New Fairfield

### IEEE, Connecticut Section

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Academy of Aerospace and Engineering	Windsor	Dr. Lili Aramli
<b>Project Title</b>	An Electronic Neural Model of the Patellar Reflex Arc		
<b>Proj. No.</b>	3042		
<b>Student(s)</b>	Joshua Snyder	Grade 11	Town Ivoryton

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Amity Reg Middle School, Bethany Campus	Bethany	Mr. Berean
<b>Project Title</b>	The TempBot		
<b>Proj. No.</b>	4009		
<b>Student(s)</b>	Ana Boccanfuso	Grade 8	Town Woodbridge
	Saunder Saffran	Grade 8	Town Bethany

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Middlebrook Middle School	Wilton	Paige Randall
<b>Project Title</b>	Building a Battery		
<b>Proj. No.</b>	5023		
<b>Student(s)</b>	Nina Ferrucci	Grade 7	Town Wilton

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Christian Heritage School	Trumbull	Daniel Cote
<b>Project Title</b>	Self-regulated LED Dimming System for Reduction of Eyestrain and Energy Consuming		
<b>Proj. No.</b>	6047		
<b>Student(s)</b>	Xuezheng Wu	Grade 11	Town Orange

Award	\$100 Honorable Mention		
School	Amity Regional High School	Woodbridge	Ms. Deborah Day
Project Title	Designing a Ventricular Assist Device Using Ferrofluids and Electromagnets as an Actuating Mechanism		
Proj. No.	6521		
Student(s)	Sarah Saxe	Grade 11	Town Woodbridge
	Julia Nadelmann	Grade 11	Town Woodbridge

Award	\$250 Honors Award -Senior		
School	Fairfield College Preparatory School	Fairfield	Deborah Kiel
Project Title	Application of Computer Vision in Pupil and Eye Center Tracking		
Proj. No.	6052		
Student(s)	Hanson Mo	Grade 11	Town Fairfield

Award	\$250 Honors Award -Junior		
School	Oei - Homeschool	Hebron	Ellen McHugh
Project Title	Hydropower Tiles: A Novel Approach to Harvesting Energy from Human Locomotion		
Proj. No.	5026		
Student(s)	John Oei	Grade 7	Town Hebron

### Institute of Food Technologists, Nutmeg Section

Award	\$100 award + invitation to dinner		
School	St. Joseph School	Danbury	Jennifer Reilly
Project Title	Preventing Bacteria Growth in Food		
Proj. No.	1032		
Student(s)	Matthew Riggs	Grade 7	Town Danbury
	Steven Soto	Grade 7	Town Danbury

Award	\$100 award + invitation to dinner		
School	CT STEM FAIR	Redding	Scott DeMeo
Project Title	The Effect of Color on the Perception of Saltiness		
Proj. No.	3071		
Student(s)	Neha Sudhir	Grade 9	Town Woodbridge

**Award** \$100 award + invitation to dinner

**School** **Waterford High School** **Waterford** **Mrs.Castleberry**

**Project Title** Novel Methods for Healthier Deep Frying by Limiting Oxidation of Cooking Oils

**Proj. No.** **3098**

**Student(s)** Sophie Wang **Grade** 10 **Town** Waterford

**Award** \$50 award + invitation to dinner

**School** **St. Timothy Middle School** **West Hartford** **Mrs. Breen**

**Project Title** Flour Power

**Proj. No.** **2011**

**Student(s)** Christopher Baldini **Grade** 7 **Town** West Hartford

**Award** \$50 award + invitation to dinner

**School** **Middlebrook Middle School** **Wilton** **Paige Randall**

**Project Title** Banana Peels: Second Life as a Water Purifier

**Proj. No.** **2065**

**Student(s)** Anika Bhagavatula **Grade** 7 **Town** Wilton

### Intel Excellence in Computer Science Award

**Award** \$200 & certificate

**School** **Bethel High School** **Bethel** **Ray Turek**

**Project Title** Decoding Dangerous DNA

**Proj. No.** **3038**

**Student(s)** Monisha Das **Grade** 12 **Town** Bethel

**Award** \$200 & certificate

**School** **Fairfield College Preparatory School** **Fairfield** **Deborah Kiel**

**Project Title** Application of Computer Vision in Pupil and Eye Center Tracking

**Proj. No.** **6052**

**Student(s)** Hanson Mo **Grade** 11 **Town** Fairfield

Award	\$200 & certificate		
School	Amity Regional High School	Woodbridge	Deborah Day
Project Title	Creating a Mobile School Navigation App		
Proj. No.	6501		
Student(s)	Vince Li	Grade 10	Town Orange
	David Wang	Grade 12	Town Bethany

### ISA - International Society for Automation - Ct. Valley Section

Award	1st - \$125 award		
School	Suffield High School	Suffield	Mr. Charkiewicz
Project Title	Studying the Applications of Solar Wind Pressure through Construction of a Muon Detection Chamber		
Proj. No.	6082		
Student(s)	Lukas Baker	Grade 12	Town Suffield

Award	2nd - \$75 award		
School	St. Paul Catholic High School	Bristol	Mr Aliberti
Project Title	A Novel Approach To Help Households Use Less Water		
Proj. No.	6006		
Student(s)	Kamila Krawczuk	Grade 10	Town New Britain

Award	3rd - \$50 award		
School	Shelton High School	Shelton	Ms. Festini
Project Title	The Efficiency of Various Airfoil Designs in a Wind Tunnel		
Proj. No.	6059		
Student(s)	Siddharth Jain	Grade 9	Town Shelton

### J.A. Augustine Award

Award	\$100 for excellence in biology		
School	St. Martha School	Enfield	Katie Rose Boissonneault
Project Title	Si High, Low, or No: Algae where would you like to grow?		
Proj. No.	2003		
Student(s)	Stephen Rougeot	Grade 7	Town Enfield

<b>Award</b>	\$100 for excellence in physical sciences		
<b>School</b>	<b>St. James School</b>	<b>Manchester</b>	<b>Mrs. Plante</b>
<b>Project Title</b>	Does Your Age Affect Your Reflexes		
<b>Proj. No.</b>	4018		
<b>Student(s)</b>	Nathan Kincheloe	<b>Grade</b> 7	<b>Town</b> Manchester
	Anna DeLaura	<b>Grade</b> 7	<b>Town</b> Manchester

### John B. Trevor Award in Electrical Engineering

<b>Award</b>	\$500 cash award for an innovative electronic or electrical project		
<b>School</b>	<b>Academy of Aerospace and Engineering</b>	<b>Windsor</b>	<b>Dr. Lili Aramli</b>
<b>Project Title</b>	An Electronic Neural Model of the Patellar Reflex Arc		
<b>Proj. No.</b>	3042		
<b>Student(s)</b>	Joshua Snyder	<b>Grade</b> 11	<b>Town</b> Ivoryton

### John S. Kendall Memorial Awards

<b>Award</b>	\$300 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School		
<b>School</b>	<b>Amity Reg Middle School, Bethany Campus</b>	<b>Bethany</b>	<b>Mr. Berean</b>
<b>Project Title</b>	The Hand-Writer Helper		
<b>Proj. No.</b>	5567		
<b>Student(s)</b>	Michael Baitch	<b>Grade</b> 8	<b>Town</b> Woodbridge

<b>Award</b>	\$500 John S. Kendall Award for Excellence In Mechanical Engineering - High School		
<b>School</b>	<b>Wilbur Cross High School</b>	<b>New Haven</b>	<b>Caroline Dahm</b>
<b>Project Title</b>	Polyetherketoneketone (PEKK) Surgical Implant: An alternative cure for Internal Coxa Saltans in Female Adolescents		
<b>Proj. No.</b>	3045		
<b>Student(s)</b>	Sophie Edelstein	<b>Grade</b> 9	<b>Town</b> New Haven

**Jon Stone Memorial Award**

<b>Award</b>	\$150 cash for Innovative Engineering		
<b>School</b>	Amity Reg Middle School, Bethany Campus	Bethany	Mr. Berean
<b>Project Title</b>	The Hand-Writer Helper		
<b>Proj. No.</b>	5567		
<b>Student(s)</b>	Michael Baitch	Grade 8	Town Woodbridge

**Leask/Francoeur Family Awards**

<b>Award</b>	1st Place High School- For innovation electrical engineering or computer science - \$200 cash		
<b>School</b>	Bethel High School	Bethel	Ray Turek
<b>Project Title</b>	Decoding Dangerous DNA		
<b>Proj. No.</b>	3038		
<b>Student(s)</b>	Monisha Das	Grade 12	Town Bethel

<b>Award</b>	1st Place Middle School- For innovation electrical engineering or computer science - \$200 cash		
<b>School</b>	RHAM Middle School	Hebron	Bob Clarke
<b>Project Title</b>	Computer simulation if segregating students by classroom during lunch time during a viral outbreak will reduce the length of the viral outbreak and the number of students infected.		
<b>Proj. No.</b>	2522		
<b>Student(s)</b>	Isabelle Benson Clarke	Grade 8	Town Marlborough

**Lunch with a Patent Attorney**

<b>Award</b>	Lunch with a Patent Attorney		
<b>School</b>	Amity Reg Middle School, Bethany Campus	Bethany	Mr. Berean
<b>Project Title</b>	The Hand-Writer Helper		
<b>Proj. No.</b>	5567		
<b>Student(s)</b>	Michael Baitch	Grade 8	Town Woodbridge



**Maplesoft Awards for Applied Mathematics and Modeling**

<b>Award</b>	Maple software - For Excellence in Mathematics		
<b>School</b>	Talcott Mountain Academy	Avon	Dr. Jessica Lodwick
<b>Project Title</b>	Do Algorithms Dream of Electric Trees?		
<b>Proj. No.</b>	2035		
<b>Student(s)</b>	Aresh Pourkavoos	Grade 7	Town Avon

<b>Award</b>	Maple software - For Excellence in Mathematics		
<b>School</b>	Fairfield College Preparatory School	Fairfield	Deborah Kiel
<b>Project Title</b>	Application of Computer Vision in Pupil and Eye Center Tracking		
<b>Proj. No.</b>	6052		
<b>Student(s)</b>	Hanson Mo	Grade 11	Town Fairfield

**Meyerand Young Woman Scientist Awards**

<b>Award</b>	\$300 cash - High School, Life Sciences		
<b>School</b>	Science and Technology Magnet HS	New London	Chuck Mulligan
<b>Project Title</b>	Bioaccumulation of Total Mercury in the Poquonnock River System and its Implications for Local Fisheries		
<b>Proj. No.</b>	3027		
<b>Student(s)</b>	Kathryn Ashbey	Grade 12	Town Waterford

<b>Award</b>	\$300 cash - High School, Physical Sciences		
<b>School</b>	Sacred Heart Academy	Hamden	Mrs. Brownell
<b>Project Title</b>	Printing Skin: Using Different Polymer Filaments to Print a Prosthetic Covering		
<b>Proj. No.</b>	6517		
<b>Student(s)</b>	Eunji Lee	Grade 10	Town Trumbull
	Priya Patel	Grade 11	Town Derby

<b>Award</b>	\$300 cash - Middle School Life Sciences		
<b>School</b>	St. Mark School	Stratford	Mrs. Orendorf
<b>Project Title</b>	Sugar Uncovered		
<b>Proj. No.</b>	1019		
<b>Student(s)</b>	Natalie Sciallo	Grade 8	Town Stratford
	Kelly DeRosa	Grade 8	Town Stratford

<b>Award</b>	\$300 cash - Middle School, Physical Sciences		
<b>School</b>	Engineering Science University Magnet	New Haven	Mr. Rushworth
<b>Project Title</b>	Does Distance From a Nuclear Power Plant a		
<b>Proj. No.</b>	5002	Affect Plant Growth?	
<b>Student(s)</b>	Eva Heaphy	Grade 7	Town New Haven

### 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>	Amity Regional High School	Woodbridge	Ms. Deborah Day
<b>Project Title</b>	Designing a Ventricular Assist Device Using Ferrofluids and Electromagnets as an Actuating Mechanism		
<b>Proj. No.</b>	6521		
<b>Student(s)</b>	Sarah Saxe	Grade 11	Town Woodbridge
	Julia Nadelmann	Grade 11	Town Woodbridge

<b>Award</b>	For Excellence in Creativity and Innovation by a Middle School student, \$100 cash		
<b>School</b>	St. Mary School	Bethel	Mrs. Kate McDonald
<b>Project Title</b>	Water Wizard: Incorporating the Simplicity of Water Testing Strips with the Complexity and Sophistication of a Smartphone Application While Utilizing Mathematics		
<b>Proj. No.</b>	5510		
<b>Student(s)</b>	Kevin Legnard	Grade 8	Town Bethel

### MIT Club of Hartford K-12 Initiative

<b>Award</b>	For excellence in science & technology of energy related research, high school, \$100 cash award		
<b>School</b>	Stonewall Academy	Tolland	Donald Peck
<b>Project Title</b>	Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines		
<b>Proj. No.</b>	6085		
<b>Student(s)</b>	Amelia Peck	Grade 10	Town Tolland

<b>Award</b>	For excellence in science & technology of energy related research, middle school, \$100 cash award		
<b>School</b>	St. Joseph School	Danbury	Jennifer Reilly
<b>Project Title</b>	Efficient Low Energy Salt Water Desalination		
<b>Proj. No.</b>	5004		
<b>Student(s)</b>	Elias Haddad	Grade 7	Town Danbury

**Mu Alpha Theta**

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Joel Barlow High School	Redding	Dr. Katherine Nuzzo
<b>Project Title</b>	Soil Respiration and Project GRACE Groundwater Anomalies		
<b>Proj. No.</b>	3014		
<b>Student(s)</b>	Katelyn Sun	Grade 11	Town Redding

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Joel Barlow High School	Redding	Dr. Katherine Nuzzo
<b>Project Title</b>	The Rate of Calcification of Crassostrea Virginica as Calcium Carbonate Levels are Increased		
<b>Proj. No.</b>	3090		
<b>Student(s)</b>	Tatiana Naclerio	Grade 11	Town Easton

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Stonewall Academy	Tolland	Donald Peck
<b>Project Title</b>	Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines		
<b>Proj. No.</b>	6085		
<b>Student(s)</b>	Amelia Peck	Grade 10	Town Tolland

**Mystic Aquarium**

<b>Award</b>	\$100 and 4 Admission Tickets to Mystic Aquarium		
<b>School</b>	Science and Technology Magnet HS	New London	Chuck Mulligan
<b>Project Title</b>	Bioaccumulation of Total Mercury in the Poquonnock River System and its Implications for Local Fisheries		
<b>Proj. No.</b>	3027		
<b>Student(s)</b>	Kathryn Ashbey	Grade 12	Town Waterford

**NASA EARTH System Science Award**

Award Certificate and \$50 gift card given by CSEF

School **Engineering Science University Magnet**      **New Haven**      **Mr. Rushwoth**

Project Title **PEST'S CONTROLLING US!**

Proj. No. **2041**

Student(s) **Sreeya Gudlavalleti**      **Grade 7**      **Town Milford**

Award Certificate and \$50 gift card given by CSEF

School **Hamden Middle School**      **Hamden**      **Michelle DeLucia**

Project Title **Effect of Pollutants on Aquatic Life**

Proj. No. **2542**

Student(s) **Ella Bradford**      **Grade 8**      **Town Hamden**

Award Certificate and \$50 gift card given by CSEF

School **St. Gabriel School**      **Milford**      **Mr. John Campbell**

Project Title **Wind Power**

Proj. No. **5025**

Student(s) **Jacob Fleischer**      **Grade 7**      **Town Milford**

**National Oceanic and Atmospheric Administration**

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

School **Amity Reg Middle School, Bethany Campus**      **Bethany**      **Mr. Berean**

Project Title **Emergency Oil Spill Robot**

Proj. No. **4001**

Student(s)	<b>Victor You</b>	<b>Grade 8</b>	<b>Town Woodbridge</b>
	<b>Benjamin Goldstein</b>	<b>Grade 8</b>	<b>Town Woodbridge</b>
	<b>Ryan Kelley</b>	<b>Grade 8</b>	<b>Town Woodbridge</b>

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

School **North Haven Middle School**      **North Haven**      **Susan Jasinski**

Project Title **What is the perfect absorbent for used cooking oil?**

Proj. No. **2022**

Student(s) **Soo Yeon Lee**      **Grade 7**      **Town North Haven**

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

Award	High School- Certificate, \$75.00 gift certificate		
School	Fishers Island School	Fishers Island	Mrs. Carol Giles
Project Title	Assessing the Efficiency and Ecological Impact of Various Anti-fouling Methods		
Proj. No.	3013		
Student(s)	Elias Kane	Grade 12	Town Groton

Award	High School- Certificate, \$75.00 gift certificate		
School	Academy of Aerospace and Engineering	Windsor	Dr. Lili Aramli
Project Title	An Electronic Neural Model of the Patellar Reflex Arc		
Proj. No.	3042		
Student(s)	Joshua Snyder	Grade 11	Town Ivoryton

Award	High School- Certificate, \$75.00 gift certificate		
School	Wilbur Cross High School	New Haven	Caroline Dahm
Project Title	Polyetherketoneketone (PEKK) Surgical Implant: An alternative cure for Internal Coxa Saltans in Female Adolescents		
Proj. No.	3045		
Student(s)	Sophie Edelstein	Grade 9	Town New Haven

Award	High School- Certificate, \$75.00 gift certificate		
School	Academy of Aerospace and Engineering	Windsor	Dr. Lili Aramli
Project Title	Improvements in Chemotherapy: The Implementation of HSP90 Inhibitors in the Suppression of Chemoresistance		
Proj. No.	3067		
Student(s)	Leon Novak	Grade 12	Town Rocky Hill

Award	High School- Certificate, \$75.00 gift certificate		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Self-Sustaining Biosynthesis of Methane from CO2 via a Microbial & Electrochemical Hybrid System		
Proj. No.	6015		
Student(s)	Devyn Zaminski	Grade 11	Town Greenwich

<b>Award</b>	High School- Certificate, \$75.00 gift certificate1		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Fabrication of a Magnetically Vertical-Aligned Boron Nitride Nanotube Membrane in a Lyotropic Precursor for Salinity Gradient Power		
<b>Proj. No.</b>	<b>6048</b>		
<b>Student(s)</b>	Connor Li	<b>Grade</b> 11	<b>Town</b> Cos Cob

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>St. Joseph School</b>	<b>Danbury</b>	<b>Jennifer Reilly</b>
<b>Project Title</b>	The effect of x-ray radiation on the reproduction of Fruit Flies.		
<b>Proj. No.</b>	<b>1015</b>		
<b>Student(s)</b>	Patrick Iannetta	<b>Grade</b> 8	<b>Town</b> Danbury
	James O'Keefe	<b>Grade</b> 8	<b>Town</b> Danbury

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>St. Joseph School</b>	<b>Danbury</b>	<b>Jennifer Reilly</b>
<b>Project Title</b>	Preventing Bacteria Growth in Food		
<b>Proj. No.</b>	<b>1032</b>		
<b>Student(s)</b>	Matthew Riggs	<b>Grade</b> 7	<b>Town</b> Danbury
	Steven Soto	<b>Grade</b> 7	<b>Town</b> Danbury

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>High Horizons Magnet School</b>	<b>Bridgeport</b>	<b>Mrs. Scott-Thiam</b>
<b>Project Title</b>	Fogponics		
<b>Proj. No.</b>	<b>2037</b>		
<b>Student(s)</b>	Rebecca Abirached	<b>Grade</b> 7	<b>Town</b> Bridgeport

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Middlebrook Middle School</b>	<b>Wilton</b>	<b>Paige Randall</b>
<b>Project Title</b>	Banana Peels: Second Life as a Water Purifier		
<b>Proj. No.</b>	<b>2065</b>		
<b>Student(s)</b>	Anika Bhagavatula	<b>Grade</b> 7	<b>Town</b> Wilton

<b>Award</b>	Middle School- Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Amity Reg Middle School, Bethany Campus</b>	<b>Bethany</b>	<b>Mr. Berean</b>
<b>Project Title</b>	The TempBot		
<b>Proj. No.</b>	<b>4009</b>		
<b>Student(s)</b>	Ana Boccanfuso	<b>Grade 8</b>	<b>Town</b> Woodbridge
	Saunder Saffran	<b>Grade 8</b>	<b>Town</b> Bethany

<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>	Producing Renewable Energy Using Piezoelectric Walking Surfaces		
<b>Proj. No.</b>	<b>5518</b>		
<b>Student(s)</b>	Dravyn Okoney	<b>Grade 8</b>	<b>Town</b> Bozrah

### Otero Family Award

<b>Award</b>	The Otero Family Award; \$200 cash		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Enhanced Cellulolytic Enzyme Production by the Synergism between Trichoderma reesei and Aspergillus niger for the Production of Cellulosic Biofuel via Enzymatic Saccharification of Perennial Wheatgrass.		
<b>Proj. No.</b>	<b>3100</b>		
<b>Student(s)</b>	Teresa Zheng	<b>Grade 12</b>	<b>Town</b> Greenwich

### Project Oceanology

<b>Award</b>	Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt		
<b>School</b>	<b>St. Joseph School</b>	<b>Danbury</b>	<b>Jennifer Reilly</b>
<b>Project Title</b>	Influence of Climate Change on Lobster Population in Buzzards Bay Massachusetts: Implications for Long Island Sound		
<b>Proj. No.</b>	<b>2538</b>		
<b>Student(s)</b>	Bradley Kerr	<b>Grade 8</b>	<b>Town</b> Danbury

<b>Award</b>	Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt		
<b>School</b>	<b>Fishers Island School</b>	<b>Fishers Island</b>	<b>Mrs. Carol Giles</b>
<b>Project Title</b>	Assessing the Efficiency and Ecological Impact of Various Anti-fouling Methods		
<b>Proj. No.</b>	<b>3013</b>		
<b>Student(s)</b>	Elias Kane	<b>Grade 12</b>	<b>Town</b> Groton

**Randy Gibson Award for Earth Science Research**

<b>Award</b>	\$100 cash and plaque		
<b>School</b>	Shelton High School	Shelton	Christine McNamara
<b>Project Title</b>	Is Connecticut's Water Quality Connected to its River Bank		
<b>Proj. No.</b>	6018		
<b>Student(s)</b>	Allison Brown	Grade 12	Town Shelton

**Ricoh Americans Corporation**

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	St. Matthew School	Forestville	Mrs. MaryEllen Schigas
<b>Project Title</b>	Building a Prosthetic Hand		
<b>Proj. No.</b>	2038		
<b>Student(s)</b>	Nina Zwolinski	Grade 7	Town Bristol

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Environmental Sciences Magnet at Mary	Hartford	David Cappaert
<b>Project Title</b>	Man Vs Wild: A Study of Plant Biodiversity in Overgrown Ecosystems		
<b>Proj. No.</b>	2507		
<b>Student(s)</b>	Austin Zemsta	Grade 8	Town New Britain

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Fields Memorial School	Bozrah	Evelyn Brown
<b>Project Title</b>	Producing Renewable Energy Using Piezoelectric Walking Surfaces		
<b>Proj. No.</b>	5518		
<b>Student(s)</b>	Dravyn Okoney	Grade 8	Town Bozrah



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

<b>Award</b>	For excellence in a local water quality study, \$100 cash		
<b>School</b>	J.A. DePaolo Middle School	Southington	Ms.Shea
<b>Project Title</b>	Are Southington Ponds Safe? Or not Safe?		
<b>Proj. No.</b>	4034		
<b>Student(s)</b>	Brianna Pearson	Grade 7	Town Southington
	Morgan Perschy	Grade 7	Town Southington

**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>	St. Joseph School	Danbury	Jennifer Reilly
<b>Project Title</b>	Preventing Bacteria Growth in Food		
<b>Proj. No.</b>	1032		
<b>Student(s)</b>	Matthew Riggs	Grade 7	Town Danbury
	Steven Soto	Grade 7	Town Danbury

<b>Award</b>	\$250 and plaque for excellence in the life sciences by a catholic high school project		
<b>School</b>	Sacred Heart Academy	Hamden	Susan Nelson
<b>Project Title</b>	The Effect of Polyphenols in Tea on Preventing E.Coli Growth		
<b>Proj. No.</b>	3105		
<b>Student(s)</b>	Katie Gray	Grade 9	Town Oxford

**Skills21 at EDUCATION CONNECTION**

<b>Award</b>	\$100 For innovative use of technology to advance science or engineering		
<b>School</b>	Fairfield College Preparatory School	Fairfield	Deborah Kiel
<b>Project Title</b>	Application of Computer Vision in Pupil and Eye Center Tracking		
<b>Proj. No.</b>	6052		
<b>Student(s)</b>	Hanson Mo	Grade 11	Town Fairfield

<b>Award</b>	\$100 For innovative use of technology to advance science or engineering		
<b>School</b>	<b>Christian Heritage School</b>	<b>Trumbull</b>	<b>Daniel Cote</b>
<b>Project Title</b>	Object Detection for Autonomous Drone Navigation		
<b>Proj. No.</b>	<b>6056</b>		
<b>Student(s)</b>	Hannah Shipman	<b>Grade</b> 11	<b>Town</b> Trumbull

### Society for In Vitro Biology

<b>Award</b>	Certificate and \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>Brunswick School</b>	<b>Greenwich</b>	<b>Dana Montanez</b>
<b>Project Title</b>	Observing the Synergistic Effect of Pesticides on Terrestrial and Aquatic Ecosystems		
<b>Proj. No.</b>	<b>3082</b>		
<b>Student(s)</b>	John Stefanou	<b>Grade</b> 11	<b>Town</b> Old Greenwich

<b>Award</b>	Certificate and \$50 gift card to Amazon given by CSEF		
<b>School</b>	<b>The Loomis Chaffee School</b>	<b>Windsor</b>	<b>Koby Osei-Mensah</b>
<b>Project Title</b>	investigating the cardiac effect of toxicity by microwaved plastic products using Daphnia magna.		
<b>Proj. No.</b>	<b>3097</b>		
<b>Student(s)</b>	HyunWoo Lew	<b>Grade</b> 11	<b>Town</b> Windsor

<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>Windsor</b>	<b>Dr. Lili Aramli</b>
<b>Project Title</b>	Effects of Cinnamon Powder and Oil on Escherichia Coli		
<b>Proj. No.</b>	<b>3102</b>		
<b>Student(s)</b>	Jack Breton	<b>Grade</b> 11	<b>Town</b> Wethersfield

### Society of Women Engineers - Hartford Section

<b>Award</b>	Scientific Calculator		
<b>School</b>	<b>Oei - Homeschool</b>	<b>Hebron</b>	<b>Ellen McHugh</b>
<b>Project Title</b>	Hydropower Tiles: A Novel Approach to Harvesting Energy from Human Locomotion		
<b>Proj. No.</b>	<b>5026</b>		
<b>Student(s)</b>	John Oei	<b>Grade</b> 7	<b>Town</b> Hebron

Award	Scientific Calculator		
School	Smith Middle School	Glastonbury	Mary Coburn
Project Title	Li-Fi: How bright should LEDs be to accurately transmit data?		
Proj. No.	5526		
Student(s)	Arjun Ahilan	Grade 8	Town Glastonbury

Award	Scientific Calculator		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Using Solar Engine Circuits to Power Electrical Devices		
Proj. No.	5531		
Student(s)	Victoria Smith	Grade 8	Town Bozrah

Award	Scientific Calculator		
School	Sacred Heart Academy	Hamden	Mrs. Pamela Brownell
Project Title	A Practical Use of the MFC Partial Air Cathode: Improving Performance by Implementing a New Design for Applications in a Conventional Septic System		
Proj. No.	6076		
Student(s)	Elizabeth LoPreiato	Grade 11	Town Berlin

### Southeastern New England Marine Educators

Award	\$100 award and membership in SENEME - 1st Place Junior & T-Shirt		
School	St. Joseph School	Danbury	Jennifer Reilly
Project Title	Influence of Climate Change on Lobster Population in Buzzards Bay Massachusetts: Implications for Long Island Sound		
Proj. No.	2538		
Student(s)	Bradley Kerr	Grade 8	Town Danbury

Award	\$100 award and membership in SENEME - 1st Place Senior & T-Shirt		
School	Science and Technology Magnet HS	New London	Chuck Mulligan
Project Title	Bioaccumulation of Total Mercury in the Poquonnock River System and its Implications for Local Fisheries		
Proj. No.	3027		
Student(s)	Kathryn Ashbey	Grade 12	Town Waterford

### Spirit of Invention Award

<b>Award</b>	\$100 Cash and Plaque for Inventive Concepts		
<b>School</b>	Fields Memorial School	Bozrah	Evelyn Brown
<b>Project Title</b>	Producing Renewable Energy Using Piezoelectric Walking Surfaces		
<b>Proj. No.</b>	5518		
<b>Student(s)</b>	Dravyn Okoney	Grade 8	Town Bozrah

### Stanley Lessoff Award for Excellence In Analytical Technique

<b>Award</b>	\$100 Cash and Plaque		
<b>School</b>	Sport and Medical Sciences Academy	Hartford	Marianne Vitali
<b>Project Title</b>	Natural Plastic		
<b>Proj. No.</b>	5005		
<b>Student(s)</b>	Madison Lee	Grade 7	Town Rocky Hill

### Stockholm Junior Water Prize

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
<b>School</b>	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Development of a biochar based, sorption material to regulate nitrogen compounds in aquatic and terrestrial environments.		
<b>Proj. No.</b>	6029		
<b>Student(s)</b>	Madeline Gill	Grade 12	Town Fairfield

### Talcott Mountain Science Center

<b>Award</b>	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science		
<b>School</b>	CT Experiential Learning Center (CELC)	Branford	Melinda Alcosser
<b>Project Title</b>	Bovine Methane Emissions Capturing Device		
<b>Proj. No.</b>	2046		
<b>Student(s)</b>	Cade Morris	Grade 7	Town Northford

<b>Award</b>	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science		
<b>School</b>	Amity Reg Middle School, Bethany Campus	Bethany	Mr. Berean
<b>Project Title</b>	The Hand-Writer Helper		
<b>Proj. No.</b>	5567		
<b>Student(s)</b>	Michael Baitch	Grade 8	Town Woodbridge

**The Children’s Museum**

<b>Award</b>	1 family 4-Pack of Admission Passes to the Children’s Museum		
<b>School</b>	Environmental Sciences Magnet at Mary	Hartford	Rebecca Hays
<b>Project Title</b>	Breeding in the Rain		
<b>Proj. No.</b>	2058		
<b>Student(s)</b>	Alennie Cosme	Grade 7	Town Hartford

**The Connecticut Technology Council Young Woman Innovation Award**

<b>Award</b>	\$150 Cash Award for Technological Innovation		
<b>School</b>	St. Paul Catholic High School	Bristol	Mr Aliberti
<b>Project Title</b>	A Novel Approach To Help Households Use Less Water		
<b>Proj. No.</b>	6006		
<b>Student(s)</b>	Kamila Krawczuk	Grade 10	Town New Britain

**The Goodwin-Niering Center for the Environment**

<b>Award</b>	\$100 for “Excellence in Environmental Conservation Studies”		
<b>School</b>	Staples High School	Westport	Mrs. Thompson
<b>Project Title</b>	What the Capturing and Recapturing of Limulus polyphemus Reveal about their Ecological Patterns of Spawning and Migration		
<b>Proj. No.</b>	3051		
<b>Student(s)</b>	Paul Tricarico	Grade 12	Town Westport

**The Karen J. Howell Middle School Award for “Learning and Serving”**

<b>Award</b>	The Karen J. Howell Middle School Award for “Learning and Serving” - \$1000 Life Science		
<b>School</b>	Westside Middle School Academy	Danbury	Jonathan Neuhausel
<b>Project Title</b>	Study of Various Starch-based Biopolymers		
<b>Proj. No.</b>	2005		
<b>Student(s)</b>	Lasya Josyula	Grade 7	Town Danbury

<b>Award</b>	The Karen J. Howell Middle School Award for "Learning and Serving" - \$1000 Physical Science		
<b>School</b>	<b>CT Experiential Learning Center (CELC)</b>	<b>Branford</b>	<b>Melinda Alcosser</b>
<b>Project Title</b>	BullyCheck - Designing Anti-Bullying Software		
<b>Proj. No.</b>	4039		
<b>Student(s)</b>	Sue Hemingway	<b>Grade</b> 8	<b>Town</b> Branford
	Sophie Burdick	<b>Grade</b> 7	<b>Town</b> Deep River

### TurnKey Compliance Solutions Environmental Awards

<b>Award</b>	\$200 Cash Award Middle School- For excellence in environmental sciences		
<b>School</b>	<b>Westside Middle School Academy</b>	<b>Danbury</b>	<b>Mr. Neuhausel</b>
<b>Project Title</b>	Ground Level Ozone in Danbury		
<b>Proj. No.</b>	2009		
<b>Student(s)</b>	Nicholas Raslavsky	<b>Grade</b> 7	<b>Town</b> Danbury

<b>Award</b>	\$300 Cash Award High School- For excellence in environmental sciences		
<b>School</b>	<b>Sacred Heart Academy</b>	<b>Hamden</b>	<b>Dr. Elizabeth Christophy</b>
<b>Project Title</b>	Examination of Different Wet Scrubber Sorbents in Reducing Acid Rain Production and Removing Solid Pollutants		
<b>Proj. No.</b>	6027		
<b>Student(s)</b>	Laura Mocchiola	<b>Grade</b> 10	<b>Town</b> Shelton

### U.S. Air Force

<b>Award</b>	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
<b>School</b>	<b>St. Matthew School</b>	<b>Forestville</b>	<b>Mrs. MaryEllen Schigas</b>
<b>Project Title</b>	Prosthetics Making the disabled able.		
<b>Proj. No.</b>	2045		
<b>Student(s)</b>	Sophia Gerst	<b>Grade</b> 7	<b>Town</b> Bristol

<b>Award</b>	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
<b>School</b>	<b>Christian Heritage School</b>	<b>Trumbull</b>	<b>Mrs. Oshin</b>
<b>Project Title</b>	Will Seeds Be Affected by Space Exposure		
<b>Proj. No.</b>	2525		
<b>Student(s)</b>	Benjamin Wolf	<b>Grade</b> 8	<b>Town</b> New Haven

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	Worthington Hooker School	New Haven	Douglas Jones
Project Title	Acing the Wing		
Proj. No.	5012		
Student(s)	Alexandra Northrup	Grade 7	Town New Haven

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	Engineering Science University Magnet	New Haven	Roger Rushworth
Project Title	Polyurethane Foam as Acoustic Insulation for uses in Aviation Technology		
Proj. No.	5545		
Student(s)	Arya Bairat	Grade 8	Town Milford

### U.S. Metric Association

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Synthesis of Thermosensitive Magnetoliposomes for the Treatment of Atherosclerosis via Controlled Drug Delivery & Magnetic Hyperthermia		
Proj. No.	3078		
Student(s)	Margaret Cirino	Grade 11	Town Greenwich

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	Sacred Heart Academy	Hamden	Dr. Elizabeth Christophy
Project Title	Examination of Different Wet Scrubber Sorbents in Reducing Acid Rain Production and Removing Solid Pollutants		
Proj. No.	6027		
Student(s)	Laura Mocchiola	Grade 10	Town Shelton

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Fabrication of a Magnetically Vertical-Aligned Boron Nitride Nanotube Membrane in a Lyotropic Precursor for Salinity Gradient Power		
Proj. No.	6048		
Student(s)	Connor Li	Grade 11	Town Cos Cob

Unilever Trumbull R&D

Award Shadow Day at Unilever Trumbull R&D Centre

School Sport and Medical Sciences Academy Hartford Marianne Vitali

Project Title Natural Plastic

Proj. No. 5005

Student(s) Madison Lee Grade 7 Town Rocky Hill

Award Shadow Day at Unilever Trumbull R&D Centre

School Oei - Homeschool Hebron Ellen McHugh

Project Title Hydropower Tiles: A Novel Approach to Harvesting Energy from Human Locomotion

Proj. No. 5026

Student(s) John Oei Grade 7 Town Hebron

University of Connecticut - Physics Department

Award UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate

School Waterford High School Waterford Mrs.Castleberry

Project Title Novel Methods for Healthier Deep Frying by Limiting Oxidation of Cooking Oils

Proj. No. 3098

Student(s) Sophie Wang Grade 10 Town Waterford

Award UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat

School Daniel Hand High School Madison Madhuparna Roychoudhury

Project Title A practical method for CO2 capture by recovering dissolved CO2 in ocean water.

Proj. No. 6053

Student(s) Ankita Roychoudhury Grade 11 Town Madison

Award UCONN Physics Department - Co-Op \$100 Gift Certificate

School Amity Regional High School Woodbridge Ms. Deborah Day

Project Title The Effect of Air Pressure on the Distance of a Soccer Kick

Proj. No. 6080

Student(s) Henry Molot Grade 10 Town Woodbridge



**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>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Synthesis of Thermosensitive Magnetoliposomes for the Treatment of Atherosclerosis via Controlled Drug Delivery & Magnetic Hyperthermia		
<b>Proj. No.</b>	3078		
<b>Student(s)</b>	Margaret Cirino	Grade 11	Town Greenwich

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

<b>Award</b>	\$100 For High School Project in Engineering: Electrical		
<b>School</b>	Christian Heritage School	Trumbull	Daniel Cote
<b>Project Title</b>	Self-regulated LED Dimming System for Reduction of Eyestrain and Energy Consuming		
<b>Proj. No.</b>	6047		
<b>Student(s)</b>	Xuezheng Wu	Grade 11	Town Orange

<b>Award</b>	\$100 For High School Project in Biochemistry		
<b>School</b>	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Analysis of Honey Derivatives as a Functional Tumor Growth Suppressant		
<b>Proj. No.</b>	3086		
<b>Student(s)</b>	Katharine Morris	Grade 12	Town Bridgeport

<b>Award</b>	\$100 For High School Project in Cell and Molecular Biology		
<b>School</b>	Bethel High School	Bethel	Ray Turek
<b>Project Title</b>	Decoding Dangerous DNA		
<b>Proj. No.</b>	3038		
<b>Student(s)</b>	Monisha Das	Grade 12	Town Bethel

<b>Award</b>	\$100 For High School Project in Chemistry		
<b>School</b>	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Observing the Deposition Process of Synthesized of Graphene Oxide and Iron Oxide to Establish a Stable Magnetic Field		
<b>Proj. No.</b>	6008		
<b>Student(s)</b>	Stephanie Kreidler	Grade 12	Town Shelton

<b>Award</b>	\$100 For High School Project in Computer Science		
<b>School</b>	Amity Regional High School	Woodbridge	Deborah Day
<b>Project Title</b>	Creating a Mobile School Navigation App		
<b>Proj. No.</b>	6501		
<b>Student(s)</b>	Vince Li	Grade 10	Town Orange
	David Wang	Grade 12	Town Bethany

<b>Award</b>	\$100 For High School Project in Energy & Transportation		
<b>School</b>	Stonewall Academy	Tolland	Donald Peck
<b>Project Title</b>	Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines		
<b>Proj. No.</b>	6085		
<b>Student(s)</b>	Amelia Peck	Grade 10	Town Tolland

<b>Award</b>	\$100 For High School Project in Engineering: Mechanical		
<b>School</b>	Westover School	Middlebury	Ben Hildebrand
<b>Project Title</b>	The Pick Me Up Stander Walker: Designing A Device to Assist with Sit to Stand Transfers and Ambulation		
<b>Proj. No.</b>	6009		
<b>Student(s)</b>	Caleigh Waskowicz	Grade 12	Town Southington

<b>Award</b>	\$100 For High School Project in Environmental Science		
<b>School</b>	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Using biochar and 8-methyl-N-vanillyl-trans-6- nonenamamide as a nontoxic agricultural pest inhibitor for glycine max		
<b>Proj. No.</b>	3052		
<b>Student(s)</b>	Skylynn Reyes	Grade 12	Town Bridgeport

<b>Award</b>	\$100 For High School Project in Mathematics		
<b>School</b>	Fairfield College Preparatory School	Fairfield	Deborah Kiel
<b>Project Title</b>	Application of Computer Vision in Pupil and Eye Center Tracking		
<b>Proj. No.</b>	6052		
<b>Student(s)</b>	Hanson Mo	Grade 11	Town Fairfield

<b>Award</b>	\$100 For High School Project in Microbiology		
<b>School</b>	Amity Regional High School	Woodbridge	Deborah Day
<b>Project Title</b>	Developing a Novel Progranulin-Derived Biologic for Gaucher disease		
<b>Proj. No.</b>	3066		
<b>Student(s)</b>	Helen Liu	Grade 12	Town Orange

Award	\$100 For High School Project in Sustainability		
School	Wilbur Cross High School	New Haven	Caroline Dahm
Project Title	Exploring conditions for Struvite precipitation and crystal growth.		
Proj. No.	6038		
Student(s)	Maya Geradi	Grade 10	Town New Haven

### Urban School Challenge 1st Place Middle School Awards

Award	Highest Placing 8th grader- GENIUS-Olympiad- \$500 travel stipend		
School	Westside Middle School Academy	Danbury	Mr. Neuhausel
Project Title	Harvesting Wind From Street Canyons Using A Double Helix Wind Turbine		
Proj. No.	5530		
Student(s)	Jeffrey Osborne	Grade 8	Town Danbury

Award	USC Highest Placing 7th grader- Project Oceanology's Ocean Camp		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	Study of Various Starch-based Biopolymers		
Proj. No.	2005		
Student(s)	Lasya Josyula	Grade 7	Town Danbury

### Wisner Award

Award	\$250 cash and plaque		
School	Canton High School	Canton	Stephen Riley
Project Title	Rhodamine 6G Dye Laser		
Proj. No.	6002		
Student(s)	John Solomon	Grade 12	Town Canton

**Yale Peabody Museum**

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	<b>Environmental Sciences Magnet at Mary</b>	<b>Hartford</b>	<b>Becca Hays</b>
<b>Project Title</b>	Got Bugs? A study of arthropod diversity and abundance		
<b>Proj. No.</b>	<b>1025</b>		
<b>Student(s)</b>	Connor Rego	<b>Grade 7</b>	<b>Town</b> Winsted
	Keegan Miller	<b>Grade 7</b>	<b>Town</b> Bristol

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	<b>Environmental Sciences Magnet at Mary</b>	<b>Hartford</b>	<b>David Cappaert</b>
<b>Project Title</b>	Man Vs Wild: A Study of Plant Biodiversity in Overgrown Ecosystems		
<b>Proj. No.</b>	<b>2507</b>		
<b>Student(s)</b>	Austin Zemsta	<b>Grade 8</b>	<b>Town</b> New Britain

<b>Award</b>	Family "six-pack" of free passes to the Yale Peabody Museum		
<b>School</b>	<b>Joel Barlow High School</b>	<b>Redding</b>	<b>Dr. Katherine Nuzzo</b>
<b>Project Title</b>	Chemo-responsive behavior of the Cancer Erroratus when exposed to carbon dioxide induced ocean acidification		
<b>Proj. No.</b>	<b>3103</b>		
<b>Student(s)</b>	Libby Albanese	<b>Grade 11</b>	<b>Town</b> Redding

<b>Award</b>	One-Year Family Membership to the Yale Peabody Museum		
<b>School</b>	<b>St. Joseph School</b>	<b>Danbury</b>	<b>Jennifer Reilly</b>
<b>Project Title</b>	Influence of Climate Change on Lobster Population in Buzzards Bay Massachusetts: Implications for Long Island Sound		
<b>Proj. No.</b>	<b>2538</b>		
<b>Student(s)</b>	Bradley Kerr	<b>Grade 8</b>	<b>Town</b> Danbury

<b>Award</b>	One-Year Family Membership to the Yale Peabody Museum		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Battling Honey Bee CCD via Reduction of Neonicotinoid Content in Guttation Droplets using Biochar Soil Additives		
<b>Proj. No.</b>	<b>3004</b>		
<b>Student(s)</b>	Derek Woo	<b>Grade 11</b>	<b>Town</b> Greenwich

**Yale Science & Engineering Association, Inc.**

<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>	Increased Charge Rate and Capacity for Olivine Lithium-Ion Batteries Using Efficient, Upcycled Nanoscale Electrodes		
<b>Proj. No.</b>	6055		
<b>Student(s)</b>	Christopher Popham	Grade 11	Town Old Greenwich

<b>Award</b>	Certificate, \$50 gift card to Amazon given by CSEF		
<b>School</b>	Daniel Hand High School	Madison	Madhuparna Roychoudhury
<b>Project Title</b>	A practical method for CO2 capture by recovering dissolved CO2 in ocean water.		
<b>Proj. No.</b>	6053		
<b>Student(s)</b>	Ankita Roychoudhury	Grade 11	Town Madison

**Zepke Award**

<b>Award</b>	\$200 - For the Best Use of Electronic Circuitry		
<b>School</b>	Fairfield College Preparatory School	Fairfield	Deborah Kiel
<b>Project Title</b>	Application of Computer Vision in Pupil and Eye Center Tracking		
<b>Proj. No.</b>	6052		
<b>Student(s)</b>	Hanson Mo	Grade 11	Town Fairfield