



**Special Awards**

**Alumni Botany Awards**

<b>Award</b>	Alumni High School Botany Award- \$100 Cash		
<b>School</b>	Manchester High School	Manchester	Wendy Turek
<b>Project Title</b>	The Effect of PLA and HDPE Microplastics on the Growth of Cherry Tomato Plants		
<b>Proj. No.</b>	3066		
<b>Student(s)</b>	Jack Larson	Grade 12	Town Manchester

<b>Award</b>	Alumni Middle School Botany Award- \$100 Cash		
<b>School</b>	Waltersville School	Bridgeport	John Cunningham
<b>Project Title</b>	Does Potato Variety Affect Electrical Output in a Potato Battery?		
<b>Proj. No.</b>	4012		
<b>Student(s)</b>	Luna Santiago	Grade 8	Town BRIDGEPORT
	Delani Bailey	Grade 8	Town Bridgeport

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

<b>Award</b>	\$200 award, certificate		
<b>School</b>	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
<b>Project Title</b>	Analysis of Leading-Edge Devices on Aerodynamic Lift at Different Angles of Attack		
<b>Proj. No.</b>	6089		
<b>Student(s)</b>	Ting-Yo Tan	Grade 12	Town Taipei

<b>Award</b>	\$200 award, certificate		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	The Optimization of a Ground Collision Avoidance System and Application to Inhibit Controlled Flight Into Terrain Accidents For Single Engine Aircraft		
<b>Proj. No.</b>	6090		
<b>Student(s)</b>	Mason Beaudette	Grade 12	Town Orange

### American Meteorological Society

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Engineering and Science University Magnet	New Haven	Roger Rushworth
<b>Project Title</b>	Implementing Nontoxic Modified Magnetic Metal Oxide Nanoparticle Enhanced Biochar Filtration for the Efficient Removal of Emerging Contaminants in an Aqueous Solution		
<b>Proj. No.</b>	3009		
<b>Student(s)</b>	Snigtha Mohanraj	Grade 9	Town Ansonia

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Brunswick School	Greenwich	Dana Montanez
<b>Project Title</b>	A comparative analysis of the presence of microplastics in soil and rainwater between rural areas, urban areas, and areas adjacent to trash burning facilities		
<b>Proj. No.</b>	3510		
<b>Student(s)</b>	Jackson Wolfram	Grade 11	Town Riverside
	Tomas Delgado	Grade 11	Town Riverside

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Simple Remediation of Heavy Metal and Fertilizer Runoff Water Contaminants via Carbon Nanotube Infused Pinus strobus Xylem Filtration		
<b>Proj. No.</b>	6027		
<b>Student(s)</b>	Justin Bernstein	Grade 9	Town Greenwich

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	Modeling Investigation on Amines and Sea-salt Aerosol Interactions to Assess Their Potential Climate Impacts		
<b>Proj. No.</b>	6041		
<b>Student(s)</b>	Pranav Sundararajan	Grade 12	Town Orange

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Bridgeport Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Utilizing Rooftop Gardens as a Means of Geothermal Energy Through Ground to Air Heat Transfer Systems		
<b>Proj. No.</b>	6063		
<b>Student(s)</b>	Aidan King	Grade 12	Town Milford

Award Certificate & \$25 gift card given by CSEF

School Sacred Heart Greenwich

Greenwich

Joan Fei

Project Title Designing and Testing an Activated Carbon Cloth Storm Drain Filter to Reduce the Prevalence of Phosphates and Nitrates in the Long Island Sound

Proj. No. 6091

Student(s) Abby Barnett

Grade 12

Town Darien

### American Psychological Association

Award Certificate, \$25 gift card given by CSEF

School Chiaravalle Academy

Enfield

Mrs. Quinby

Project Title How music affects pill bugs behaviors.

Proj. No. 1008

Student(s) Anna Burnham

Grade 7

Town Suffield

Hadley Buttrey

Grade 7

Town Windsor

Award Certificate, \$25 gift card given by CSEF

School Shelton Intermediate School

Shelton

Erica Napoli

Project Title Moon Madness?

Proj. No. 1011

Student(s) Kurtlene Dela Rosa

Grade 7

Town Shelton

Enja Abo-Alaial

Grade 7

Town shelton

Award Certificate, \$25 gift card given by CSEF

School John Winthrop School

Bridgeport

Ms. Beres

Project Title Which Filtration Material Leads to the Best Drinking Water?

Proj. No. 2516

Student(s) Wayne Lewis

Grade 8

Town Bridgeport

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

Award \$150 grade 7-8 project

School Talcott Mountain Academy

Avon

Brigette Zacharczenko

Project Title Well-being in middle schoolers using intervention strategies

Proj. No. 2018

Student(s) Nandini Panigrahi

Grade 7

Town west hartford

Award	\$150 grade 7-8 project		
School	St. Bridget School	Cheshire	Mrs. Michelle Carol
Project Title	Electrolyte Challenge		
Proj. No.	5504		
Student(s)	Hailey Greasley	Grade 8	Town Naugatuck

Award	\$150 grade 7-8 project		
School	Hamden Hall Country Day School	Hamden	Doctor Frank Gasparro
Project Title	iAAA band (Impact-absorbing and alerting band)		
Proj. No.	5515		
Student(s)	Ravindu Karunaratne	Grade 8	Town Hamden

Award	\$200 grade 9-12 project		
School	Henry Abbott Technical High School	Danbury	andrew ipkovich
Project Title	ways to safely provide lightening service to cosmetology customers using safer chemicals or organic products		
Proj. No.	3048		
Student(s)	Ruth Pacheco	Grade 11	Town danbury

Award	\$200 grade 9-12 project		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Design of a Wearable, Skin-Specific UVB Sensor for Instantaneous Detection of Skin-Damaging Radiation		
Proj. No.	3063		
Student(s)	Yurika Sakai	Grade 11	Town Greenwich

Award	\$200 grade 9-12 project		
School	Choate Rosemary Hall	Wallingford	Jan Cook
Project Title	Application of Soft Robots in Building Collapse Rescues		
Proj. No.	6011		
Student(s)	Ann Song	Grade 9	Town Farmington

### Arthur & Ruth Mensing Award

<b>Award</b>	Mensing Award Excellence in the Physical Sciences - \$500		
<b>School</b>	Staples High School	Westport	Nick Morgan
<b>Project Title</b>	Finding Gravitationally Lensed Quasar Systems by using a Polar Shapelet Decomposition Approach		
<b>Proj. No.</b>	6016		
<b>Student(s)</b>	Ishan Prasad	Grade 12	Town Westport

### ASM Materials Education Foundation

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	Designing and Optimizing a More Efficient Optical Component for Thermal Cameras		
<b>Proj. No.</b>	6044		
<b>Student(s)</b>	Anthony Sharonov	Grade 11	Town Bethany

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Academy of Aerospace & Engineering	Windsor	Dr. Michelle Bellinger
<b>Project Title</b>	The Effect Of Altering The Material Composition in Ultra High-Performance Concrete (UHPC) With Regional Materials On Compressive Strength		
<b>Proj. No.</b>	6502		
<b>Student(s)</b>	Justin Ho	Grade 11	Town Suffield
	Nathan Magold	Grade 11	Town Southington

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Engineering and Science University Magnet	New Haven	Roger Rushworth
<b>Project Title</b>	Implementing Nontoxic Modified Magnetic Metal Oxide Nanoparticle Enhanced Biochar Filtration for the Efficient Removal of Emerging Contaminants in an Aqueous Solution		
<b>Proj. No.</b>	3009		
<b>Student(s)</b>	Snigtha Mohanraj	Grade 9	Town Ansonia

### Association for Women Geoscientists

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Synthesis of Polysaccharide-Encapsulated Hydroxyapatite Nanocomposites to Stimulate Plant Growth and Promote Phosphorus Absorption.		
<b>Proj. No.</b>	3012		
<b>Student(s)</b>	Isabella Gega	Grade 11	Town Greenwich CT

**Award** Certificate & \$25 gift card given by CSEF

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

**Project Title** Controlled Delivery of Sulfoxaflor Pesticide via Cinnamaldehyde-infused Hydrogels to Reduce Toxicity to Honey and Wild Bee Pollinators  
**Proj. No.** **6042**

**Student(s)** Elizabeth Wallace **Grade** 11 **Town** Old Greenwich

**Award** Certificate & \$25 gift card given by CSEF

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

**Project Title** Biomimetic Removal of Microspheres Water Contaminants, via Calcite-Infused, Coral-like Melamine Sponges  
**Proj. No.** **6082**

**Student(s)** Naomi Park **Grade** 10 **Town** Riverside

### Astronomical Society of Greater Hartford - The Charles Hammond Award for

**Award** Senior Project-\$150, subscription to Sky and Telescope, ASGH membership and meeting invitation

**School** **Staples High School** **Westport** **Nick Morgan**

**Project Title** Finding Gravitationally Lensed Quasar Systems by using a Polar Shapelet Decomposition Approach  
**Proj. No.** **6016**

**Student(s)** Ishan Prasad **Grade** 12 **Town** Westport

**Award** Senior Project-\$150, subscription to Sky and Telescope, ASGH membership and meeting invitation

**School** **Newtown High School** **Sandy Hook** **Timothy DeJulio**

**Project Title** Accessible program and system to accurately align a star tracking mount using a camera.  
**Proj. No.** **6086**

**Student(s)** Sam Staubly **Grade** 12 **Town** Newtown

### Banning Family Life Science Award

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

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

**Project Title** Quantifying the interspecific impacts of the native relationships of the Long Island Sound  
**Proj. No.** **3002**

**Student(s)** Sarah Davis **Grade** 12 **Town** Trumbull

### Biophysical Society

<b>Award</b>	Biophysics Award- \$100		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	Analyzing the Mechanisms of Bacteriophage P22 Genome Ejection		
<b>Proj. No.</b>	3073		
<b>Student(s)</b>	Aiden Tischer	Grade 12	Town Bethany

### Broadcom MASTERS

<b>Award</b>	Invitation to compete in Broadcom MASTERS		
<b>School</b>	Chiaravalle Academy	Enfield	Timothy Coleman
<b>Project Title</b>	Comparing Kale Growth In Hydroponics Versus Potting Soil In Winter		
<b>Proj. No.</b>	1003		
<b>Student(s)</b>	Carys Wilson	Grade 7	Town Somers
	Delphine Lamattina	Grade 7	Town West Hartford

<b>Award</b>	Invitation to compete in Broadcom MASTERS		
<b>School</b>	Greenwich Catholic School	Greenwich	Mrs. Carol Lutz
<b>Project Title</b>	Ready, Set, Grow		
<b>Proj. No.</b>	1007		
<b>Student(s)</b>	Nicholas Barone	Grade 7	Town Stamford
	Luke Mannello	Grade 7	Town Stamford

<b>Award</b>	Invitation to compete in Broadcom MASTERS		
<b>School</b>	Middlebrook School	Wilton	Carol Festa
<b>Project Title</b>	A novel way to solve coral bleaching		
<b>Proj. No.</b>	1012		
<b>Student(s)</b>	Preethi Vijay	Grade 8	Town Wilton
	Trisha Prabhu	Grade 8	Town Wilton

<b>Award</b>	Invitation to compete in Broadcom MASTERS		
<b>School</b>	Engineering and Science University Magnet	New Haven	Roger Rushworth
<b>Project Title</b>	Catalace		
<b>Proj. No.</b>	2006		
<b>Student(s)</b>	Ethan Joseph	Grade 7	Town West Haven

**Award** Invitation to compete in Broadcom MASTERS

**School** Talcott Mountain Academy Avon Brigette Zacharczenko

**Project Title** How Ocean Acidification Affects Shelled Marine Life

**Proj. No.** 2019

**Student(s)** Rhea Doshi Grade 7 Town Farmington

**Award** Invitation to compete in Broadcom MASTERS

**School** Hamden Hall Country Day School Hamden Paulomi Aldo

**Project Title** Copper Contamination of Freshwater sources which pollute and harm the ecosystem and its consumers (Phytoremediation)

**Proj. No.** 2509

**Student(s)** Sophia Vash Grade 8 Town Fairfield CT

**Award** Invitation to compete in Broadcom MASTERS

**School** Talcott Mountain Academy Avon Anya Jensen

**Project Title** The RightSwitch: An Automatic Light Switch Sterilization Device

**Proj. No.** 2515

**Student(s)** Samuel Wu Grade 8 Town Avon

**Award** Invitation to compete in Broadcom MASTERS

**School** Middlebrook School Wilton Kendra Norman

**Project Title** School Bus Approach Alert System

**Proj. No.** 4003

**Student(s)** Leonardo Kulon Grade 7 Town Wilton

Sanaka Dash Grade 7 Town Wilton

**Award** Invitation to compete in Broadcom MASTERS

**School** Chiaravalle Academy Enfield Timothy Coleman

**Project Title** Can You Separate Solids and Liquids Going Down Your Sink

**Proj. No.** 4014

**Student(s)** Caleb Quinby Grade 7 Town Windsor

Holt Serrano Grade 7 Town Somers



**Award** Invitation to compete in Broadcom MASTERS

**School** **Ellington Middle School** **Ellington** **Scott Raiola**

**Project Title** Wall climbing soft robot

**Proj. No.** **5007**

**Student(s)** Thomas Gerlach **Grade** 7 **Town** Ellington

**Award** Invitation to compete in Broadcom MASTERS

**School** **St. Bridget School** **Cheshire** **Michelle. Carroll**

**Project Title** Coding an Affordable Goat Identification System for All Farmers

**Proj. No.** **5011**

**Student(s)** Avery Fowler **Grade** 7 **Town** Cheshire

**Award** Invitation to compete in Broadcom MASTERS

**School** **Westside Middle School Academy** **Danbury** **Jonathan Neuhausel**

**Project Title** Design and Testing of an Integrated 360 Degree Pi Camera System for Deep Well Rescue Mission

**Proj. No.** **5505**

**Student(s)** Sandhya Sudarsanam **Grade** 8 **Town** Danbury

**Award** Invitation to compete in Broadcom MASTERS

**School** **Dodd Middle School** **Cheshire** **Clare Gonzalez**

**Project Title** A Domestic Violence Alerting Device Comprised of an Analog Sound Level Meter OLED Display and iOS Mobile App built using Swift

**Proj. No.** **5509**

**Student(s)** Suchita Srinivasan **Grade** 8 **Town** Cheshire

**Award** Invitation to compete in Broadcom MASTERS

**School** **Westside Middle School Academy** **Danbury** **Jon Neuhausel**

**Project Title** The Effects of Ice Mitigation Strategies on Livestock Waterers

**Proj. No.** **5510**

**Student(s)** Sophia Blumenreich **Grade** 8 **Town** Danbury

**Award** Invitation to compete in Broadcom MASTERS

**School** **Westside Middle School Academy** **Danbury** **Jon Neuhausel**

**Project Title** Model System Design For Technology-Assisted Insulin Regulation

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

**Student(s)** Sydney Borst **Grade** 8 **Town** Danbury

**Award** Invitation to compete in Broadcom MASTERS

**School** Talcott Mountain Academy

Avon

Lydia Gibb

**Project Title** Pellet-"O"-Trap: Capturing Plastic Pellets Through a Multi-Filter System & Analyzing Their Progression Using Binary Image Processing

**Proj. No.** 5525

**Student(s)** Sia Reddy

Grade 8

Town Avon

### Connecticut Academy of Audiology

**Award** \$200 Award HS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist

**School** Manchester High School

Manchester

Wendy Turek-Hernandez

**Project Title** The Effects of Environmental Buffers on Traffic-Related Noise Pollution

**Proj. No.** 6088

**Student(s)** Emma Greenfield

Grade 12

Town Manchester

**Award** \$200 Award MS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist

**School** Dodd Middle School

Cheshire

Clare Gonzalez

**Project Title** A Domestic Violence Alerting Device Comprised of an Analog Sound Level Meter OLED Display and iOS Mobile App built using Swift

**Proj. No.** 5509

**Student(s)** Suchita Srinivasan

Grade 8

Town Cheshire

### Connecticut Association of Physics Teachers

**Award** \$100 Senior project

**School** Ridgefield High School

Ridgefield

Patrick Hughes

**Project Title** A Wavelet-based Method for Generalizing Molecular Latent Spaces for Assisted Traversal

**Proj. No.** 6056

**Student(s)** Ian Murdock

Grade 12

Town Ridgefield

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

**Award** Junior Award: Certificate, & teeshirt & \$25 Amazon Card from CSEF

**School** St. James School

Manchester

Ellen Oei

**Project Title** Power to the Puck

**Proj. No.** 5005

**Student(s)** Jameson Fisher

Grade 7

Town EAST HARTFORD

<b>Award</b>	Senior Award: Certificate, & teeshirt & \$25 Amazon Card from CSEF		
<b>School</b>	<b>Sacred Heart Greenwich</b>	<b>Greenwich</b>	<b>Joan Fei</b>
<b>Project Title</b>	Designing and Testing an Activated Carbon Cloth Storm Drain Filter to Reduce the Prevalence of Phosphates and Nitrates in the Long Island Sound		
<b>Proj. No.</b>	<b>6091</b>		
<b>Student(s)</b>	Abby Barnett	<b>Grade</b> 12	<b>Town</b> Darien

### Connecticut Invention Convention “Next Step Inventors”

<b>Award</b>	Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2		
<b>School</b>	<b>Middlebrook School</b>	<b>Wilton</b>	<b>Carol Festa</b>
<b>Project Title</b>	A novel way to solve coral bleaching		
<b>Proj. No.</b>	<b>1012</b>		
<b>Student(s)</b>	Preethi Vijay	<b>Grade</b> 8	<b>Town</b> Wilton
	Trisha Prabhu	<b>Grade</b> 8	<b>Town</b> Wilton

<b>Award</b>	Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2		
<b>School</b>	<b>Talcott Mountain Academy</b>	<b>Avon</b>	<b>Anya Jensen</b>
<b>Project Title</b>	The RightSwitch: An Automatic Light Switch Sterilization Device		
<b>Proj. No.</b>	<b>2515</b>		
<b>Student(s)</b>	Samuel Wu	<b>Grade</b> 8	<b>Town</b> Avon

<b>Award</b>	Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2		
<b>School</b>	<b>Hamden Hall Country Day School</b>	<b>Hamden</b>	<b>Brian Christman</b>
<b>Project Title</b>	The Latch		
<b>Proj. No.</b>	<b>2517</b>		
<b>Student(s)</b>	Neev Makin	<b>Grade</b> 8	<b>Town</b> Hamden

<b>Award</b>	Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2		
<b>School</b>	<b>Amity Regional High School</b>	<b>Woodbridge</b>	<b>Catherine Piscitelli</b>
<b>Project Title</b>	Creating a Frequency-Emitting Program to Enhance Mosquito Capture and Surveillance Efforts in Response to the Spread of Mosquito-Borne Diseases		
<b>Proj. No.</b>	<b>3021</b>		
<b>Student(s)</b>	Daniel Liu	<b>Grade</b> 11	<b>Town</b> Woodbridge

<b>Award</b>	Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2		
<b>School</b>	<b>King School</b>	<b>Stamford</b>	<b>Victoria Schulman</b>
<b>Project Title</b>	A Convolutional Neural Network for Real-Time Tick Classification and Disease Risk Analysis		
<b>Proj. No.</b>	3032		
<b>Student(s)</b>	Antonia Kolb	<b>Grade</b> 10	<b>Town</b> New Canaan

<b>Award</b>	Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2		
<b>School</b>	<b>Suffield High School</b>	<b>Suffield</b>	<b>Melanie Brown</b>
<b>Project Title</b>	The Anticoagulant blood mixer and anti-stress device for patients donating blood		
<b>Proj. No.</b>	3036		
<b>Student(s)</b>	Ana-Lois Davis	<b>Grade</b> 10	<b>Town</b> Broad Brook

## 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>Andrew Bramante</b>
<b>Project Title</b>	Rapid, Visual Detection of Benadryl Cocktails via Competitive, Amine-Responsive Fluorophores		
<b>Proj. No.</b>	3025		
<b>Student(s)</b>	Angelina Fogarty	<b>Grade</b> 11	<b>Town</b> old greenwich

<b>Award</b>	\$125 for a middle school project		
<b>School</b>	<b>Chiaravalle Academy</b>	<b>Enfield</b>	<b>Mr. Coleman</b>
<b>Project Title</b>	Optimum Composting For Eisenia fetida		
<b>Proj. No.</b>	1002		
<b>Student(s)</b>	Sage Pierce	<b>Grade</b> 8	<b>Town</b> Enfield
	Catherine Wilcox	<b>Grade</b> 8	<b>Town</b> Enfield

## CSEF Board of Directors Award

<b>Award</b>	Certificate and \$200 cash from CT Science and Engineering Fair		
<b>School</b>	<b>Sound School</b>	<b>New Haven</b>	<b>Chuck Mulligan</b>
<b>Project Title</b>	Correlation between Rainfall and Suspended Sediment Levels in the Mill River System/ New Haven Waterways		
<b>Proj. No.</b>	6068		
<b>Student(s)</b>	Cora FitzGerald	<b>Grade</b> 9	<b>Town</b> Branford

**Award** certificate and \$25 Amazon gift card given by CSF

**School** **Fishers Island School** **Fishers Island** **Carol Giles**

**Project Title** The Effects Ocean Acidification has on the Antimicrobial properties of Sulfur Nanoparticles from the Marine Sponge  
**Proj. No.** **3083** Species Halichondria Bowerbanki.

**Student(s)** Madeleine Hatfield **Grade** 11 **Town** GROTON

### CT Architecture Foundation - The William M. Mack, AIA Award

**Award** \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.

**School** **Ellington Middle School** **Ellington** **Scott Raiola**

**Project Title** Wall climbing soft robot  
**Proj. No.** **5007**

**Student(s)** Thomas Gerlach **Grade** 7 **Town** Ellington

**Award** \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.

**School** **Brunswick School** **Greenwich** **Dana Montanez**

**Project Title** Thermal Desalination: A More Efficient and Sustainable Alternative to Reverse Osmosis  
**Proj. No.** **6501**

**Student(s)** Robert MacNaughton **Grade** 10 **Town** Bronxville

Michael Yeager **Grade** 10 **Town** Greenwich

### Demos R Us Award

**Award** \$150 Cash Award-- Clear Execution of Research- 7th Grade

**School** **Ellington Middle School** **Ellington** **Scott Raiola**

**Project Title** Wall climbing soft robot  
**Proj. No.** **5007**

**Student(s)** Thomas Gerlach **Grade** 7 **Town** Ellington

**Award** \$200 Cash Award- Clear Execution of Research- 8th Grade

**School** **Suffield Middle School** **Suffield** **Melanie Brown**

**Project Title** Converting Excess Heat Generated From Furnaces Into Usable Energy  
**Proj. No.** **5511**

**Student(s)** Noora Khaled **Grade** 8 **Town** Suffield

### Dreams Unlimited Award

<b>Award</b>	\$100 Cash Award + Certificate to each student		
<b>School</b>	St. Bridget School	Cheshire	Michelle. Carroll
<b>Project Title</b>	Coding an Affordable Goat Identification System for All Farmers		
<b>Proj. No.</b>	5011		
<b>Student(s)</b>	Avery Fowler	Grade 7	Town Cheshire

### Fox Pest Control for Environmental Management

<b>Award</b>	\$150 Cash for Excellence in Environmental Management		
<b>School</b>	Hamden Hall Country Day School	Hamden	Paulomi Aldo
<b>Project Title</b>	Copper Contamination of Freshwater sources which pollute and harm the ecosystem and its consumers (Phytoremediation)		
<b>Proj. No.</b>	2509		
<b>Student(s)</b>	Sophia Vash	Grade 8	Town Fairfield CT

### Frank J. Link Family Award for Energy Related Research

<b>Award</b>	Frank J. Link Award for Energy Related Research - \$50		
<b>School</b>	Suffield Middle School	Suffield	Melanie Brown
<b>Project Title</b>	Converting Excess Heat Generated From Furnaces Into Usable Energy		
<b>Proj. No.</b>	5511		
<b>Student(s)</b>	Noora Khaled	Grade 8	Town Suffield

<b>Award</b>	Frank J. Link Award for Energy Related Research - \$50		
<b>School</b>	King School	Stamford	Victoria Schulman
<b>Project Title</b>	Electrochromism paired with Finite Difference Time Domain Modeling allows for the Successful Prediction of Color Change Achieved by Electrochromic Reactions		
<b>Proj. No.</b>	6028		
<b>Student(s)</b>	Gouri Krishnan	Grade 11	Town Darien

### Frederick Olender USC Award in Memory of G. Robert Wisner

<b>Award</b>	\$250 Cash Award for HS student in USC school		
<b>School</b>	Bridgeport Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Utilizing Rooftop Gardens as a Means of Geothermal Energy Through Ground to Air Heat Transfer Systems		
<b>Proj. No.</b>	6063		
<b>Student(s)</b>	Aidan King	Grade 12	Town Milford

### GENIUS Olympiad

<b>Award</b>	GENIUS Olympiad Competition for 1st Place HS Environmental Project with \$700 stipend		
<b>School</b>	Bridgeport Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	A novel mitigation technique to control the spread of the invasive Spotted Lanternfly ( <i>L. Delicatulula</i> ) through cardiac glycoside extracts		
<b>Proj. No.</b>	3061		
<b>Student(s)</b>	Cooper Carr	Grade 12	Town Fairfield

<b>Award</b>	GENIUS Olympiad Competition for 1st Place Technical High School with \$700 stipend		
<b>School</b>	Platt Technical High School	Milford	Sara Bruno
<b>Project Title</b>	The Palingenesis Project		
<b>Proj. No.</b>	3519		
<b>Student(s)</b>	Ashley Ramos	Grade 11	Town Bridgeport
	Bruno Valdivia	Grade 11	Town West Haven
	Katelyn Zayas	Grade 11	Town New Haven

<b>Award</b>	GENIUS Olympiad Competition for Highest Placing USC 8th grade Project with \$700 stipend		
<b>School</b>	Westside Middle School Academy	Danbury	Jon Neuhausel
<b>Project Title</b>	Model System Design For Technology-Assisted Insulin Regulation		
<b>Proj. No.</b>	5514		
<b>Student(s)</b>	Sydney Borst	Grade 8	Town Danbury

<b>Award</b>	GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project with \$700 stipend		
<b>School</b>	Bridgeport Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	Quantifying the interspecific impacts of the native relationships of the Long Island Sound		
<b>Proj. No.</b>	3002		
<b>Student(s)</b>	Sarah Davis	Grade 12	Town Trumbull

<b>Award</b>	GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project with \$700 stipend		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Eco-Friendly Remediation of Polycyclic Aromatic Hydrocarbons in Stormwater via Magnesium-Infused Calcite Crystal, Supramolecular Hydrogel Scaffolding		
<b>Proj. No.</b>	6039		
<b>Student(s)</b>	Audrey Lin	Grade 10	Town Riverside

<b>Award</b>	GENIUS Olympiad Competition for 1st Place HS Future Sustainability with \$700 stipend		
<b>School</b>	Academy of Aerospace & Engineering	Windsor	Dr. Michelle Bellinger
<b>Project Title</b>	Piezoelectric Wind Harvesting Electrical Energy Conversion		
<b>Proj. No.</b>	6505		
<b>Student(s)</b>	Dylan Pueschel	Grade 12	Town Hebron
	John Watrous	Grade 12	Town Hartford

### Geology/Historic Project of Merit Award

<b>Award</b>	\$100 - Earth Science - Field work with Geologic or historic value		
<b>School</b>	Madina Academy	Windsor	Mr. Coleman
<b>Project Title</b>	A Proposal to Use Cost Effective Eco-friendly and Stronger Bricks for Modern Construction:		
<b>Proj. No.</b>	6059		
<b>Student(s)</b>	Yameen Ahmed	Grade 9	Town Vernon, Rockville

### IEEE, Connecticut Section

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Christian Heritage School	Trumbull	Mr Daniel Cote
<b>Project Title</b>	The Luboni		
<b>Proj. No.</b>	5508	Electric Autonomous Ice Resurfacer	
<b>Student(s)</b>	Lucille Presbrey	Grade 8	Town Ridgefield

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Westside Middle School Academy	Danbury	Jon Neuhausel
<b>Project Title</b>	Model System Design For Technology-Assisted Insulin Regulation		
<b>Proj. No.</b>	5514		
<b>Student(s)</b>	Sydney Borst	Grade 8	Town Danbury

<b>Award</b>	\$100 Honorable Mention		
<b>School</b>	Fields Memorial School	Bozrah	Mr. Fish
<b>Project Title</b>	Alerting Drivers That a Child was Forgotten in a Vehicle With a Circuit Sequence Alert System (CSAS)		
<b>Proj. No.</b>	5521		
<b>Student(s)</b>	Andrew Pagnotta	Grade 8	Town Bozrah



Award	\$100 Honorable Mention		
School	Choate Rosemary Hall	Wallingford	Jan Cook
Project Title	Application of Soft Robots in Building Collapse Rescues		
Proj. No.	6011		
Student(s)	Ann Song	Grade 9	Town Farmington

Award	\$100 Honorable Mention		
School	Hopkins School	New Haven	Dr. Phillip Stewart
Project Title	Real-Time Motion Tracking System and Data Analytics for Live Insects Using Three-Wheeled Servosphere Robot		
Proj. No.	6054		
Student(s)	Nicholas Lee	Grade 11	Town Trumbull

Award	\$250 Honors Award -Senior		
School	Amity Regional High School	Woodbridge	Catherine Piscitelli
Project Title	Theoretical Modelling and Parameterization of a Novel-Actuator-Based Transtibial Pediatric Prosthetic		
Proj. No.	6031		
Student(s)	Adivi Bhattamishra	Grade 10	Town Orange

Award	\$250 Honors Award -Junior		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	Design and Testing of an Integrated 360 Degree Pi Camera System for Deep Well Rescue Mission		
Proj. No.	5505		
Student(s)	Sandhya Sudarsanam	Grade 8	Town Danbury

### Institute of Food Technologists, Nutmeg Section

Award	\$100 award + invitation to Awards Night Dinner with guest		
School	Engineering and Science University Magnet	New Haven	Roger Rushworth
Project Title	What do different baking ingredients do?		
Proj. No.	5001		
Student(s)	Titiladeoluwa Adeniran	Grade 7	Town Seymour

**Award** \$150 award + invitation to Awards Night Dinner with guest

**School** **Greenwich Country Day School** **Greenwich** **Nathan Haag**

**Project Title** Could Hydroponics be the Solution to a Sustainable Food System?

**Proj. No.** **3017**

**Student(s)** Isabella Brahmst **Grade** 12 **Town** South Salem

**Award** \$50 award + invitation to Awards Night Dinner with guest

**School** **E.O. Smith High School** **Storrs** **Cheryl Granger**

**Project Title** How Cooking Different Kinds of Poultry at Different Temperatures Affects the Growth of E. Coli

**Proj. No.** **3521**

**Student(s)** Mary Lynch **Grade** 9 **Town** Storrs

Mackenzie Dahlen **Grade** 9 **Town** Mansfield Center

### J.A. Augustine Award

**Award** \$100 for excellence in biology

**School** **Middlebrook School** **Wilton** **Carol Festa**

**Project Title** A novel way to solve coral bleaching

**Proj. No.** **1012**

**Student(s)** Preethi Vijay **Grade** 8 **Town** Wilton

Trisha Prabhu **Grade** 8 **Town** Wilton

**Award** \$100 for excellence in physical sciences

**School** **Westside Middle School Academy** **Danbury** **Jon Neuhausel**

**Project Title** The Effects of Ice Mitigation Strategies on Livestock Waterers

**Proj. No.** **5510**

**Student(s)** Sophia Blumenreich **Grade** 8 **Town** Danbury

**John S. Kendall Memorial Awards**

<b>Award</b>	\$300 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School		
<b>School</b>	Westside Middle School Academy	Danbury	Jon Neuhausel
<b>Project Title</b>	Benefit of Granular and Mesh Filters on Concentrations of Microplastics in Water		
<b>Proj. No.</b>	4013		
<b>Student(s)</b>	Krrish Brahmkshatriya	Grade 8	Town Danbury
	Benjamin Miller	Grade 8	Town Danbury
	Alexander Herzegovitch	Grade 8	Town Danbury

<b>Award</b>	\$500 John S. Kendall Award for Excellence In Mechanical Engineering - High School		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Simple Remediation of Heavy Metal and Fertilizer Runoff Water Contaminants via Carbon Nanotube Infused Pinus strobus Xylem Filtration		
<b>Proj. No.</b>	6027		
<b>Student(s)</b>	Justin Bernstein	Grade 9	Town Greenwich

**Jon Chapitis Memorial Award**

<b>Award</b>	John Chapitis Spirit of Innovation Award - HS \$200		
<b>School</b>	Westover School	Middlebury	Sydney Kadiyala
<b>Project Title</b>	Flexible mechanical worm based on steering gear		
<b>Proj. No.</b>	6032		
<b>Student(s)</b>	Xinyi Xie	Grade 11	Town Middlebury

<b>Award</b>	John Chapitis Spirit of Innovation Award - MS \$100		
<b>School</b>	Westside Middle School Academy	Danbury	Jonathan Neuhausel
<b>Project Title</b>	Design and Testing of an Integrated 360 Degree Pi Camera System for Deep Well Rescue Mission		
<b>Proj. No.</b>	5505		
<b>Student(s)</b>	Sandhya Sudarsanam	Grade 8	Town Danbury

**Jon Stone Memorial Award**

<b>Award</b>	Jon Stone Award for Innovative Engineering- \$100		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Design of a Wearable, Skin-Specific UVB Sensor for Instantaneous Detection of Skin-Damaging Radiation		
<b>Proj. No.</b>	3063		
<b>Student(s)</b>	Yurika Sakai	Grade 11	Town Greenwich

<b>Award</b>	Jon Stone Award for Innovative Engineering- \$100		
<b>School</b>	Cheshire High School	Cheshire	Julie Barker
<b>Project Title</b>	How Raspberry Pi Microcomputers and Computer Vision Artificial Intelligence Can Be Utilized to Provide Aid to the Visually Impaired Community		
<b>Proj. No.</b>	6030		
<b>Student(s)</b>	Siddhant Bhardwaj	Grade 11	Town Cheshire

**Kathleen & David Smith Awards**

<b>Award</b>	Kathleen & David Smith Award for Innovative Concept - \$100		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	Creating a Systematic ESG (Environmental Social Governance) Scoring System using Social Network Analysis and Machine Learning to Influence Company Practices to be More Sustainable		
<b>Proj. No.</b>	6015		
<b>Student(s)</b>	Aarav Patel	Grade 10	Town Orange

<b>Award</b>	Kathleen & David Smith Award for Laser Application - \$100		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	Designing and Optimizing a More Efficient Optical Component for Thermal Cameras		
<b>Proj. No.</b>	6044		
<b>Student(s)</b>	Anthony Sharonov	Grade 11	Town Bethany

**Lemelson Early Inventor Award**

<b>Award</b>	Certificate & \$100 cash award from Lemelson Foundation		
<b>School</b>	Hamden Hall Country Day School	Hamden	Doctor Frank Gasparro
<b>Project Title</b>	iAAA band (Impact-absorbing and alerting band)		
<b>Proj. No.</b>	5515		
<b>Student(s)</b>	Ravindu Karunaratne	Grade 8	Town Hamden

### Lunch with a Patent Attorney

<b>Award</b>	Lunch with a Patent Attorney		
<b>School</b>	Brunswick School	Greenwich	Dana Montanez
<b>Project Title</b>	Optimization of the Sleep Cycle by Activation of the Parasympathetic Nervous System Using Low-frequency Vibrations and Heart Rate Variability Analysis.		
<b>Proj. No.</b>	6061		
<b>Student(s)</b>	Ryan Kulsakdinun	Grade 11	Town Armonk

### MapleSoft Awards for Applied Mathematics and Modeling

<b>Award</b>	For excelece in Mathematics and Modeling - Maple Software and T-shirt		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	The Influence of Social Capital on Covid-19 Vaccine Hesitancy		
<b>Proj. No.</b>	3059		
<b>Student(s)</b>	Zara Haque	Grade 9	Town Riverside

<b>Award</b>	For excelece in Mathematics and Modeling - Maple Software and T-shirt		
<b>School</b>	Darien High School	Darien	David Lewis
<b>Project Title</b>	Cloud Identification in Mars Daily Global Maps with Deep Learning		
<b>Proj. No.</b>	6071		
<b>Student(s)</b>	Sebastian Mengwall	Grade 12	Town Darien

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

<b>Award</b>	For Excellence in Creativity and Innovation by a High School Student		
<b>School</b>	Bridgeport Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	A novel mitigation technique to control the spread of the invasive Spotted Lanternfly (L. Delicatulula) through cardiac glycoside extracts		
<b>Proj. No.</b>	3061		
<b>Student(s)</b>	Cooper Carr	Grade 12	Town Fairfield

<b>Award</b>	For Excellence in Creativity and Innovation by a Middle School Student		
<b>School</b>	Dodd Middle School	Cheshire	Clare Gonzalez
<b>Project Title</b>	A Domestic Violence Alerting Device Comprised of an Analog Sound Level Meter OLED Display and iOS Mobile App built using Swift		
<b>Proj. No.</b>	5509		
<b>Student(s)</b>	Suchita Srinivasan	Grade 8	Town Cheshire

### MIT Club of Hartford K-12 Initiative

Award	For excellence in science & technology of energy related research, high school, \$100 cash award		
School	King School	Stamford	Victoria Schulman
Project Title	Electrochromism paired with Finite Difference Time Domain Modeling allows for the Successful Prediction of Color Change Achieved by Electrochromic Reactions		
Proj. No.	6028		
Student(s)	Gouri Krishnan	Grade 11	Town Darien

Award	For excellence in science & technology of energy related research, middle school, \$100 cash award		
School	Suffield Middle School	Suffield	Melanie Brown
Project Title	Converting Excess Heat Generated From Furnaces Into Usable Energy		
Proj. No.	5511		
Student(s)	Noora Khaled	Grade 8	Town Suffield

### Mu Alpha Theta

Award	Certificate, \$25 gift card given by CSEF		
School	Suffield Academy	Suffield	Suika Liu
Project Title	On the Casas-Alvero' s Conjecture		
Proj. No.	6014		
Student(s)	Jiaxuan Su	Grade 10	Town Shanghai

Award	Certificate, \$25 gift card given by CSEF		
School	Avon Old Farms School	Avon	Dan Ismailescu
Project Title	On the smallest (n-1)-gon containing a convex n-gon		
Proj. No.	6024		
Student(s)	Keun Hyong Kwak	Grade 11	Town Gangnam-gu

Award	Certificate, \$25 gift card given by CSEF		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
Project Title	Introduction to Surreal Numbers: Exploring Real, Infinite and Infinitesimal Values and Their Hackenbush Games		
Proj. No.	6079		
Student(s)	Yat Him Cyrus Wong	Grade 12	Town Hong Kong

### NASA EARTH System Science Award

<b>Award</b>	Certificate and \$25 gift card given by CSEF		
<b>School</b>	Talcott Mountain Academy	Avon	Brigette Zacharczenko
<b>Project Title</b>	How Ocean Acidification Affects Shelled Marine Life		
<b>Proj. No.</b>	2019		
<b>Student(s)</b>	Rhea Doshi	Grade 7	Town Farmington

<b>Award</b>	Certificate and \$25 gift card given by CSEF		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	Modeling Investigation on Amines and Sea-salt Aerosol Interactions to Assess Their Potential Climate Impacts		
<b>Proj. No.</b>	6041		
<b>Student(s)</b>	Pranav Sundararajan	Grade 12	Town Orange

<b>Award</b>	Certificate and \$25 gift card given by CSEF		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	Developing a Machine Learning Algorithm to Accurately Predict Geomagnetic Storms		
<b>Proj. No.</b>	6081		
<b>Student(s)</b>	Iris Yan	Grade 10	Town Woodbridge

### National Center for Inquiry Learning

<b>Award</b>	Danielle & Maggie Award for Imagination - MS \$100		
<b>School</b>	St. Bridget School	Cheshire	Michelle. Carroll
<b>Project Title</b>	Coding an Affordable Goat Identification System for All Farmers		
<b>Proj. No.</b>	5011		
<b>Student(s)</b>	Avery Fowler	Grade 7	Town Cheshire

<b>Award</b>	Danielle & Maggie Award for Imagination - MS \$100		
<b>School</b>	Westside Middle School Academy	Danbury	Jon Neuhausel
<b>Project Title</b>	The effect that hours of the night have on magnitude per square arcsecond on a sky quality meter		
<b>Proj. No.</b>	5501		
<b>Student(s)</b>	David Miller	Grade 8	Town Danbury

### National Geographic That's Geography! - Cultivating Empathy for the Earth

<b>Award</b>	Certificate & \$100 Cash from Society for Science		
<b>School</b>	<b>Sacred Heart Greenwich</b>	<b>Greenwich</b>	<b>Joan Fei</b>
<b>Project Title</b>	Using NYC Parks Department "Report a Sighting" Data to Investigate the Relationship Between Emotional Response to Wildlife and Borough and Environmental Racism in New York City		
<b>Proj. No.</b>	<b>3004</b>		
<b>Student(s)</b>	Annie O'Connor	<b>Grade</b> 12	<b>Town</b> Rye

### National Oceanic and Atmospheric Administration

<b>Award</b>	Certificate and \$25 gift card given by CSEF		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Simple Remediation of Heavy Metal and Fertilizer Runoff Water Contaminants via Carbon Nanotube Infused Pinus strobus Xylem Filtration		
<b>Proj. No.</b>	<b>6027</b>		
<b>Student(s)</b>	Justin Bernstein	<b>Grade</b> 9	<b>Town</b> Greenwich

<b>Award</b>	Certificate and \$25 gift card given by CSEF		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Biomimetic Removal of Microspheres Water Contaminants, via Calcite-Infused, Coral-like Melamine Sponges		
<b>Proj. No.</b>	<b>6082</b>		
<b>Student(s)</b>	Naomi Park	<b>Grade</b> 10	<b>Town</b> Riverside

<b>Award</b>	Certificate and \$25 gift card given by CSEFF		
<b>School</b>	<b>Amity Regional High School</b>	<b>Woodbridge</b>	<b>Catherine Piscitelli</b>
<b>Project Title</b>	Modeling Investigation on Amines and Sea-salt Aerosol Interactions to Assess Their Potential Climate Impacts		
<b>Proj. No.</b>	<b>6041</b>		
<b>Student(s)</b>	Pranav Sundararajan	<b>Grade</b> 12	<b>Town</b> Orange

### NYUC Pony Club Equine or Animal Science Award

<b>Award</b>	\$100 Cash Award or excellence in equine studies		
<b>School</b>	<b>Chiaravalle Academy</b>	<b>Enfield</b>	<b>Mr. Coleman</b>
<b>Project Title</b>	Optimum Composting For Eisenia fetida		
<b>Proj. No.</b>	<b>1002</b>		
<b>Student(s)</b>	Sage Pierce	<b>Grade</b> 8	<b>Town</b> Enfield
	Catherine Wilcox	<b>Grade</b> 8	<b>Town</b> Enfield



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

<b>Award</b>	High School- Certificate, \$75.00 gift card given by ONR		
<b>School</b>	King School	Stamford	Victoria Schulman
<b>Project Title</b>	Passive Thermal Energy Storage for Air Conditioning Systems Utilizing Phase Change Material		
<b>Proj. No.</b>	6026		
<b>Student(s)</b>	Adam Nomani	Grade 12	Town Stamford

<b>Award</b>	High School- Certificate, \$75.00 gift card given by ONR		
<b>School</b>	Christian Heritage School	Trumbull	Daniel Cote
<b>Project Title</b>	Combating Covid-19 through Programming using Scratch Software		
<b>Proj. No.</b>	6037		
<b>Student(s)</b>	Aidan Bradley	Grade 11	Town Ansonia

<b>Award</b>	High School- Certificate, \$75.00 gift card given by ONR		
<b>School</b>	Amity Regional High School	Woodbridge	Catherine Piscitelli
<b>Project Title</b>	The Manufacture and Expanded Function of a Locking Container to Eliminate the Distraction of Phones While Driving		
<b>Proj. No.</b>	6058		
<b>Student(s)</b>	Scott Lowder	Grade 12	Town Orange

<b>Award</b>	High School- Certificate, \$75.00 gift card given by ONR		
<b>School</b>	Guilford High School	Guilford	Dr. James Carlson
<b>Project Title</b>	A New Hybrid: Harnessing the Power of Friction		
<b>Proj. No.</b>	6065		
<b>Student(s)</b>	Michael Neiss	Grade 11	Town Guilford

<b>Award</b>	High School- Certificate, \$75.00 gift card given by ONR		
<b>School</b>	Greenwich Country Day School	Greenwich	Nathan Haag
<b>Project Title</b>	Prototype of a Cleaning Robot		
<b>Proj. No.</b>	6070		
<b>Student(s)</b>	Ellie Hochberg	Grade 11	Town Rye

**Award** High School- Certificate, \$75.00 gift card given by ONR

**School** Newtown High School Sandy Hook Tim Dejulio

**Project Title** Modular Robotic System for Multipurpose Robots

**Proj. No.** 6077

**Student(s)** Benjamin Ochs **Grade** 12 **Town** Sandy Hook

**Award** High School- Certificate, \$75.00 gift card given by ONR

**School** Amity Regional High School Woodbridge Catherine Piscitelli

**Project Title** The Optimization of a Ground Collision Avoidance System and Application to Inhibit Controlled Flight Into Terrain Accidents For Single Engine Aircraft

**Proj. No.** 6090

**Student(s)** Mason Beaudette **Grade** 12 **Town** Orange

**Award** Middle School- Certificate, \$25 gift card given by CSEF

**School** Greenwich Catholic School Greenwich Mrs. Carol Lutz

**Project Title** House Elevation

**Proj. No.** 5010

**Student(s)** Ornella Saviano **Grade** 7 **Town** Stamford

**Award** Middle School- Certificate, \$25 gift card given by CSEF

**School** Westside Middle School Academy Danbury Jonathan Neuhausel

**Project Title** Design and Testing of an Integrated 360 Degree Pi Camera System for Deep Well Rescue Mission

**Proj. No.** 5505

**Student(s)** Sandhya Sudarsanam **Grade** 8 **Town** Danbury

**Award** Middle School- Certificate, \$25 gift card given by CSEF

**School** Suffield Middle School Suffield Melanie Brown

**Project Title** Converting Excess Heat Generated From Furnaces Into Usable Energy

**Proj. No.** 5511

**Student(s)** Noora Khaled **Grade** 8 **Town** Suffield

**Otero Family Award**

Award	The Otero Family Award; \$250 cash		
School	Amity Regional High School	Woodbridge	Catherine Piscitelli
Project Title	Theoretical Modelling and Parameterization of a Novel-Actuator-Based Transtibial Pediatric Prosthetic		
Proj. No.	6031		
Student(s)	Aditi Bhattamishra	Grade 10	Town Orange

**Project Oceanology**

Award	Individual - 1 Ocean Camp slot + T-Shirt & cap, First Place Junior		
School	St. Michael School	Pawcatuck	Anna-Helene Grossomanides
Project Title	American Juvenile Horseshoe Crab Aquaculture		
Proj. No.	2012		
Student(s)	Gianna Giovanelli	Grade 7	Town Westerly

Award	Individual - 1 Ocean Camp slot + T-Shirt & cap, First Place Senior		
School	Darien High School	Darien	David Lewis
Project Title	The effect of microplastic ingestion on the health of parasites ( <i>Cryptocotyle lingua</i> ) in periwinkles ( <i>Littorina littorea</i> ).		
Proj. No.	3097		
Student(s)	Alison Enters	Grade 12	Town Darien

**Regeneron Biomedical Science Award**

Award	Certificate & \$500.00 cash		
School	Miss Porter's School	Farmington	Betty Wang
Project Title	Using Single-Cell Analysis to Explore Prognostic Genes in Prostate Cancer		
Proj. No.	3078		
Student(s)	Junyue Ma	Grade 11	Town Farmington

**Ricoh Americas Corporation**

Award	Certificate, \$25 gift card given by CSEF		
School	St. Michael School	Pawcatuck	Anna-Helene Grossomanides
Project Title	American Juvenile Horseshoe Crab Aquaculture		
Proj. No.	2012		
Student(s)	Gianna Giovanelli	Grade 7	Town Westerly

<b>Award</b>	Certificate, \$25 gift card given by CSEF		
<b>School</b>	Talcott Mountain Academy	Avon	Brigette Zacharczenko
<b>Project Title</b>	How Ocean Acidification Affects Shelled Marine Life		
<b>Proj. No.</b>	2019		
<b>Student(s)</b>	Rhea Doshi	Grade 7	Town Farmington

<b>Award</b>	Certificate, \$25 gift card given by CSEF		
<b>School</b>	John Winthrop School	Bridgeport	Ms. Beres
<b>Project Title</b>	Which Filtration Material Leads to the Best Drinking Water?		
<b>Proj. No.</b>	2516		
<b>Student(s)</b>	Wayne Lewis	Grade 8	Town Bridgeport

### Robert Francoeur Memorial Award

<b>Award</b>	Creative or innovative project in engineering or computer science by female students - \$100		
<b>School</b>	Dodd Middle School	Cheshire	Clare Gonzalez
<b>Project Title</b>	A Domestic Violence Alerting Device Comprised of an Analog Sound Level Meter OLED Display and iOS Mobile App built using Swift		
<b>Proj. No.</b>	5509		
<b>Student(s)</b>	Suchita Srinivasan	Grade 8	Town Cheshire

<b>Award</b>	Creative or innovative project in engineering or computer science by female students - \$100		
<b>School</b>	Suffield Middle School	Suffield	Melanie Brown
<b>Project Title</b>	Converting Excess Heat Generated From Furnaces Into Usable Energy		
<b>Proj. No.</b>	5511		
<b>Student(s)</b>	Noora Khaled	Grade 8	Town Suffield

### Robotics And Beyond

<b>Award</b>	Middle School- For excellence in engineering design; \$200 toward Robotics And Beyond STEM and Design summer camp, \$50 cash if cannot attend camp. Certificate.		
<b>School</b>	Christian Heritage School	Trumbull	Mr Daniel Cote
<b>Project Title</b>	The Luboni		
<b>Proj. No.</b>	5508		
<b>Student(s)</b>	Lucille Presbrey	Grade 8	Town Ridgefield

### Samantha Freeman Award for Excellence in Sports Science or Engineering

<b>Award</b>	For Excellence in Sports Science or Engineering by a High School student, \$150 cash		
<b>School</b>	<b>Sacred Heart Academy</b>	<b>Hamden</b>	<b>Pamela Brownell</b>
<b>Project Title</b>	Grass vs. Turf Fields: The Effects of Heat		
<b>Proj. No.</b>	<b>6507</b>		
<b>Student(s)</b>	Addison Galaski	<b>Grade</b> 10	<b>Town</b> North Haven
	Rebecca Zelaya	<b>Grade</b> 10	<b>Town</b> Wallingford

<b>Award</b>	For Excellence in Sports Science or Engineering by a Middle School student, \$100 cash		
<b>School</b>	<b>St. James School</b>	<b>Manchester</b>	<b>Ellen Oei</b>
<b>Project Title</b>	Power to the Puck		
<b>Proj. No.</b>	<b>5005</b>		
<b>Student(s)</b>	Jameson Fisher	<b>Grade</b> 7	<b>Town</b> EAST HARTFORD

### 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>Engineering and Science University Magnet</b>	<b>New Haven</b>	<b>Roger Rushworth</b>
<b>Project Title</b>	The Effects of Run-off Pollutants on the Harmful Algal Bloom (HAB) model <i>C. Vulgaris</i>		
<b>Proj. No.</b>	<b>2001</b>		
<b>Student(s)</b>	Adithi Variar	<b>Grade</b> 7	<b>Town</b> Wallingford

### Society for In Vitro Biology

<b>Award</b>	Certificate and \$25 gift card given by CSEF		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Design of a Novel, Dual-Functioning Tissue Plasminogen Activator and Anticoagulant Therapeutic for Rapid Ischemic Stroke Treatment		
<b>Proj. No.</b>	<b>3030</b>		
<b>Student(s)</b>	Ambika Grover	<b>Grade</b> 11	<b>Town</b> Riverside

<b>Award</b>	Certificate and \$25 gift card given by CSEF		
<b>School</b>	<b>King School</b>	<b>Stamford</b>	<b>Victoria Schulman</b>
<b>Project Title</b>	The use of Prime Editing to Induce and Correct the CFTR-F508del mutation in iPSCs.		
<b>Proj. No.</b>	<b>3038</b>		
<b>Student(s)</b>	Benjamin Persily	<b>Grade</b> 11	<b>Town</b> Scarsdale

**Award** Certificate and \$25 gift card given by CSEF

**School** Choate Rosemary Hall

Wallingford

Murali Chiravuri

**Project Title** Development of a Home N-Terminal Pro-Brain Natriuretic Peptide Assay for the Diagnosis of Congestive Heart Failure.

**Proj. No.** 3117

**Student(s)** Maya Chiravuri

Grade 11

Town Bridgeport

### Society of Women Engineers - Hartford Section

**Award** Scientific Calculator

**School** Dodd Middle School

Cheshire

Clare Gonzalez

**Project Title** A Domestic Violence Alerting Device Comprised of an Analog Sound Level Meter OLED Display and iOS Mobile App built using Swift

**Proj. No.** 5509

**Student(s)** Suchita Srinivasan

Grade 8

Town Cheshire

**Award** Scientific Calculator

**School** Suffield Middle School

Suffield

Melanie Brown

**Project Title** Converting Excess Heat Generated From Furnaces Into Usable Energy

**Proj. No.** 5511

**Student(s)** Noora Khaled

Grade 8

Town Suffield

**Award** Scientific Calculator

**School** Fields Memorial School

Bozrah

Mr.Fish

**Project Title** Alerting Drivers That a Child was Forgotten in a Vehicle With a Circuit Sequence Alert System (CSAS)

**Proj. No.** 5521

**Student(s)** Andrew Pagnotta

Grade 8

Town Bozrah

**Award** Scientific Calculator

**School** Talcott Mountain Academy

Avon

Lydia Gibb

**Project Title** Pellet-"O"-Trap: Capturing Plastic Pellets Through a Multi-Filter System & Analyzing Their Progression Using Binary Image Processing

**Proj. No.** 5525

**Student(s)** Sia Reddy

Grade 8

Town Avon

**Southeastern New England Marine Educators (SEMEME)**

<b>Award</b>	\$100 award and membership in SEMEME - 1st Place Junior & T-Shirt		
<b>School</b>	St. Michael School	Pawcatuck	Anna-Helene Grossomanides
<b>Project Title</b>	American Juvenile Horseshoe Crab Aquaculture		
<b>Proj. No.</b>	2012		
<b>Student(s)</b>	Gianna Giovanelli	Grade 7	Town Westerly

<b>Award</b>	\$100 award and membership in SEMEME - 1st Place Senior & T-Shirt		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Biomimetic Removal of Microspheres Water Contaminants, via Calcite-Infused, Coral-like Melamine Sponges		
<b>Proj. No.</b>	6082		
<b>Student(s)</b>	Naomi Park	Grade 10	Town Riverside

**Stockholm Junior Water Prize**

<b>Award</b>	Certificate, \$25 gift card by CSEF, possible advance to further competition		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Remediation of Fire-Foam PFAs from Contaminated Water Using an Eco-Friendly and Reusable Water Filtration System		
<b>Proj. No.</b>	6080		
<b>Student(s)</b>	Adam Kleshchelski	Grade 11	Town Cos Cob

<b>Award</b>	Certificate, \$25 gift card by CSEF, possible advance to further competition		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Biomimetic Removal of Microspheres Water Contaminants, via Calcite-Infused, Coral-like Melamine Sponges		
<b>Proj. No.</b>	6082		
<b>Student(s)</b>	Naomi Park	Grade 10	Town Riverside

<b>Award</b>	Certificate, \$25 gift card by CSEF, possible advance to further competition		
<b>School</b>	Sacred Heart Greenwich	Greenwich	Joan Fei
<b>Project Title</b>	Designing and Testing an Activated Carbon Cloth Storm Drain Filter to Reduce the Prevalence of Phosphates and Nitrates in the Long Island Sound		
<b>Proj. No.</b>	6091		
<b>Student(s)</b>	Abby Barnett	Grade 12	Town Darien

<b>Award</b>	Certificate, \$25 gift card by CSEF, possible advance to further competition		
<b>School</b>	<b>Brunswick School</b>	<b>Greenwich</b>	<b>Dana Montanez</b>
<b>Project Title</b>	Thermal Desalination: A More Efficient and Sustainable Alternative to Reverse Osmosis		
<b>Proj. No.</b>	<b>6501</b>		
<b>Student(s)</b>	Robert MacNaughton	<b>Grade</b> 10	<b>Town</b> Bronxville
	Michael Yeager	<b>Grade</b> 10	<b>Town</b> Greenwich

### Susan and Stanley Lessoff Memorial

<b>Award</b>	Susan and Stanley Lessoff Memorial Award - \$250 Cash and Plaque HS		
<b>School</b>	<b>Bridgeport Aquaculture Center</b>	<b>Bridgeport</b>	<b>Kirk Shadle</b>
<b>Project Title</b>	Using Pyrethrum extract from Chrysanthemum cinerariifolium as a natural insecticide against Grylloidea		
<b>Proj. No.</b>	<b>3007</b>		
<b>Student(s)</b>	Albert Capodanno	<b>Grade</b> 12	<b>Town</b> Fairfield

<b>Award</b>	Susan and Stanley Lessoff Memorial Award - \$250 Cash and Plaque MS		
<b>School</b>	<b>Middlebrook School</b>	<b>Wilton</b>	<b>Carol Festa</b>
<b>Project Title</b>	Revolutionary 3D-Printed Shoes to Change the Way We Think about Footwear		
<b>Proj. No.</b>	<b>5503</b>		
<b>Student(s)</b>	William Olmstead	<b>Grade</b> 8	<b>Town</b> Wilton

### Talcott Mountain Science Center & Academy

<b>Award</b>	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science		
<b>School</b>	<b>Renzulli Academy</b>	<b>Hartford</b>	<b>Foifon Teawdatwan</b>
<b>Project Title</b>	Extracting DNA from strawberries		
<b>Proj. No.</b>	<b>2008</b>		
<b>Student(s)</b>	Damaris Reynoso	<b>Grade</b> 7	<b>Town</b> Hartford

<b>Award</b>	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science		
<b>School</b>	<b>Westside Middle School Academy</b>	<b>Danbury</b>	<b>Jonathan Neuhausel</b>
<b>Project Title</b>	Impact of prediction methods on the percentage accuracy of a stock forecast.		
<b>Proj. No.</b>	<b>5009</b>		
<b>Student(s)</b>	Alejandro Mayorga	<b>Grade</b> 7	<b>Town</b> Danbury



### The Community Foundation for Greater New Haven Ecology, Environmental, and

<b>Award</b>	Urban Public School Environmental / Energy Award- \$459		
<b>School</b>	Engineering and Science University Magnet	New Haven	Roger Rushworth
<b>Project Title</b>	The Effects of Run-off Pollutants on the Harmful Algal Bloom (HAB) model C. Vulgaris		
<b>Proj. No.</b>	2001		
<b>Student(s)</b>	Adithi Variar	Grade 7	Town Wallingford

### The Goodwin-Niering Center for the Environment

<b>Award</b>	\$100 for "Excellence in Environmental Conservation Studies"		
<b>School</b>	Greenwich High School	Greenwich	Andrew Bramante
<b>Project Title</b>	Controlled Delivery of Sulfoxaflor Pesticide via Cinnamaldehyde-infused Hydrogels to Reduce Toxicity to Honey and Wild Bee Pollinators		
<b>Proj. No.</b>	6042		
<b>Student(s)</b>	Elizabeth Wallace	Grade 11	Town Old Greenwich

### TurnKey Compliance Solutions Environmental Awards

<b>Award</b>	\$200 Cash Award Middle School- For excellence in environmental sciences		
<b>School</b>	Talcott Mountain Academy	Avon	Brigette Zacharczenko
<b>Project Title</b>	How Ocean Acidification Affects Shelled Marine Life		
<b>Proj. No.</b>	2019		
<b>Student(s)</b>	Rhea Doshi	Grade 7	Town Farmington

<b>Award</b>	\$300 Cash Award High School- For excellence in environmental sciences		
<b>School</b>	Bridgeport Aquaculture Center	Bridgeport	Kirk Shadle
<b>Project Title</b>	A novel mitigation technique to control the spread of the invasive Spotted Lanternfly (L. Delicatulula) through cardiac glycoside extracts		
<b>Proj. No.</b>	3061		
<b>Student(s)</b>	Cooper Carr	Grade 12	Town Fairfield

**U.S. Agency for International Development (USAID)**

Award	Certificate and \$25 gift card given by CSEF		
School	Chiaravalle Academy	Enfield	Timothy Coleman
Project Title	Sodium Bicarbonate as a Cost Effective Method for Raising the pH of Soil		
Proj. No.	1014		
Student(s)	Lainey Czerwiec	Grade 8	Town Feeding Hills
	Olivia Keise	Grade 8	Town South Windsor
	Bridget Kelly	Grade 8	Town Enfield

Award	Certificate and \$25 gift card given by CSEF		
School	Bi-Cultural Hebrew Academy	Stamford	Mr. Graseck
Project Title	How Do Small Amounts of Sodium Chloride Affect the Growth of Brassica Rapa (Mustard Plants)		
Proj. No.	2014		
Student(s)	Joshua Schwartz	Grade 7	Town Stamford

Award	Certificate and \$25 gift card given by CSEF		
School	Farmington Valley Academy Montessori	Avon	Bobbi Jo Woodbury
Project Title	Potential Single-Use Plastic Substitute		
Proj. No.	2505		
Student(s)	Sean Leahy	Grade 8	Town Simsbury

**U.S. Air Force**

Award	Certificate & \$25 gift card from CSEF		
School	Renzulli Academy	Hartford	Foifon Teawdatwan
Project Title	It's not a pro, It's a robot?		
Proj. No.	5006		
Student(s)	Gavin Dusel	Grade 7	Town Newington

Award	Certificate & \$25 gift card from CSEF		
School	Fields Memorial School	Bozrah	Mr.Fish
Project Title	Alerting Drivers That a Child was Forgotten in a Vehicle With a Circuit Sequence Alert System (CSAS)		
Proj. No.	5521		
Student(s)	Andrew Pagnotta	Grade 8	Town Bozrah

<b>Award</b>	Certificate & \$25 gift card from CSEF		
<b>School</b>	<b>The Loomis Chaffee School</b>	<b>Windsor</b>	<b>Koby Osei-Mensah</b>
<b>Project Title</b>	Analysis of Leading-Edge Devices on Aerodynamic Lift at Different Angles of Attack		
<b>Proj. No.</b>	<b>6089</b>		
<b>Student(s)</b>	Ting-Yo Tan	<b>Grade</b> 12	<b>Town</b> Taipei

### U.S. Metric Association

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	<b>Choate Rosemary Hall</b>	<b>Wallingford</b>	<b>Sunny Kim</b>
<b>Project Title</b>	Development of LMMD (Lower Methane, More Degradable) Bag Using Marine Bio-Waste Sargassum		
<b>Proj. No.</b>	<b>3119</b>		
<b>Student(s)</b>	Ryan Yoon Ha Lee	<b>Grade</b> 10	<b>Town</b> Wallingford

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Design of a Novel, Dual-Functioning Tissue Plasminogen Activator and Anticoagulant Therapeutic for Rapid Ischemic Stroke Treatment		
<b>Proj. No.</b>	<b>3030</b>		
<b>Student(s)</b>	Ambika Grover	<b>Grade</b> 11	<b>Town</b> Riverside

<b>Award</b>	Certificate & \$25 gift card given by CSEF		
<b>School</b>	<b>Greenwich High School</b>	<b>Greenwich</b>	<b>Andrew Bramante</b>
<b>Project Title</b>	Design of a Wearable, Skin-Specific UVB Sensor for Instantaneous Detection of Skin-Damaging Radiation		
<b>Proj. No.</b>	<b>3063</b>		
<b>Student(s)</b>	Yurika Sakai	<b>Grade</b> 11	<b>Town</b> Greenwich

### University of Connecticut - Early College Experience

<b>Award</b>	UConn Early College Experience Program: Frontiers in Science - Co-Op \$100 Gift Certificate		
<b>School</b>	<b>Staples High School</b>	<b>Westport</b>	<b>Nick Morgan</b>
<b>Project Title</b>	Finding Gravitationally Lensed Quasar Systems by using a Polar Shapelet Decomposition Approach		
<b>Proj. No.</b>	<b>6016</b>		
<b>Student(s)</b>	Ishan Prasad	<b>Grade</b> 12	<b>Town</b> Westport

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

**School** Pomfret School Pomfret Deary Timothy

**Project Title** A novel vascular 3D-printing approach assisted by cardiac single cell transcriptomics

**Proj. No.** 6073

**Student(s)** Zhoutong Qi **Grade** 10 **Town** Montgomery

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

**School** Suffield High School Suffield Melanie Brown

**Project Title** Post FDM 3D Printing Processes to Improve Layer Adhesion.

**Proj. No.** 6074

**Student(s)** Jack Shanks **Grade** 12 **Town** Suffield

### University of Connecticut Academic Excellence Scholarship

**Award** Academic Excellence Life Sciences scholarship

**School** Greenwich High School Greenwich Andrew Bramante

**Project Title** Design of a Wearable, Skin-Specific UVB Sensor for Instantaneous Detection of Skin-Damaging Radiation

**Proj. No.** 3063

**Student(s)** Yurika Sakai **Grade** 11 **Town** Greenwich

### University of Hartford Scholarships

**Award** University of Hartford Scholarship- For Excellence in Engineering, or Technology, \$30,000 (\$7,500 per year)

**School** Greenwich High School Greenwich Andrew Bramante

**Project Title** Increasing Elasticity, Durability, and Function of Wearable PANI-Sense pH Health Monitors via a Superhydrophobic, Textile Framework

**Proj. No.** 6060

**Student(s)** Madeline Minichetti **Grade** 11 **Town** Greenwich

**Award** University of Hartford Scholarship- For Excellence in Engineering, or Technology, \$30,000 (\$7,500 per year)

**School** Greenwich High School Greenwich Andrew Bramante

**Project Title** Remediation of Fire-Foam PFAs from Contaminated Water Using an Eco-Friendly and Reusable Water Filtration System

**Proj. No.** 6080

**Student(s)** Adam Kleshchelski **Grade** 11 **Town** Cos Cob

<b>Award</b>	University of Hartford Scholarship- For Excellence in Science or Mathematics \$30,000 (\$7,500 per year)		
<b>School</b>	<b>Ridgefield High School</b>	<b>Ridgefield</b>	<b>Aine Kapell</b>
<b>Project Title</b>	Assessing the efficacy of botanical repellents against blacklegged ticks		
<b>Proj. No.</b>	<b>3106</b>		
<b>Student(s)</b>	Ava Anderson	<b>Grade</b> 11	<b>Town</b> Ridgefield

<b>Award</b>	University of Hartford Scholarship- For Excellence in Science or Mathematics \$30,000 (\$7,500 per year)		
<b>School</b>	<b>Amity Regional High School</b>	<b>Woodbridge</b>	<b>Catherine Piscitelli</b>
<b>Project Title</b>	Creating a Frequency-Emitting Program to Enhance Mosquito Capture and Surveillance Efforts in Response to the Spread of Mosquito-Borne Diseases		
<b>Proj. No.</b>	<b>3021</b>		
<b>Student(s)</b>	Daniel Liu	<b>Grade</b> 11	<b>Town</b> Woodbridge

### University of New Haven Scholarship Awards

<b>Award</b>	University of New Haven 4 year scholarship - \$96,000 (\$24,000 per year)		
<b>School</b>	<b>Norwich Technical High School</b>	<b>Norwich</b>	<b>Tiffani Kaminski</b>
<b>Project Title</b>	Biodegradation of Polystyrene by Bacteria Found in The Gut of Tenebrio Molitor Larvae		
<b>Proj. No.</b>	<b>3515</b>		
<b>Student(s)</b>	Tori Simmons	<b>Grade</b> 11	<b>Town</b> Norwich
	Sara Smith	<b>Grade</b> 11	<b>Town</b> New London

<b>Award</b>	University of New Haven 4 year scholarship - \$96,000 (\$24,000 per year)		
<b>School</b>	<b>Norwich Technical High School</b>	<b>Norwich</b>	<b>Tiffani Kaminski</b>
<b>Project Title</b>	Biodegradation of Polystyrene by Bacteria Found in The Gut of Tenebrio Molitor Larvae		
<b>Proj. No.</b>	<b>3515</b>		
<b>Student(s)</b>	Tori Simmons	<b>Grade</b> 11	<b>Town</b> Norwich
	Sara Smith	<b>Grade</b> 11	<b>Town</b> New London

<b>Award</b>	University of New Haven 4 year scholarship - \$96,000 (\$24,000 per year)		
<b>School</b>	<b>Kent School</b>	<b>Kent</b>	<b>Jesse Klingebiel</b>
<b>Project Title</b>	Flexibility with Flying: Replicable and Attachable Aerial Robot with Multi-Degree-of-Freedom		
<b>Proj. No.</b>	<b>6003</b>		
<b>Student(s)</b>	Siyi Lu	<b>Grade</b> 11	<b>Town</b> Kent

**Award** University of New Haven 4 year scholarship - \$96,000 (\$24,000 per year)

**School** **Guilford High School** **Guilford** **Dr. James Carlson**

**Project Title** A New Hybrid: Harnessing the Power of Friction

**Proj. No.** **6065**

**Student(s)** Michael Neiss **Grade** 11 **Town** Guilford

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

**Award** USC Highest Placing 7th grader- Project Oceanology's Ocean Camp

**School** **Engineering and Science University Magnet** **New Haven** **Roger Rushworth**

**Project Title** Catalace

**Proj. No.** **2006**

**Student(s)** Ethan Joseph **Grade** 7 **Town** West Haven

### Vanderbilt Chemicals, LLC

**Award** \$150 Vanderbilt Chemicals Award for Excellence in Tribology and Sustainable Lubrication

**School** **Guilford High School** **Guilford** **Dr. James Carlson**

**Project Title** A New Hybrid: Harnessing the Power of Friction

**Proj. No.** **6065**

**Student(s)** Michael Neiss **Grade** 11 **Town** Guilford

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

**Award** 1st place, Excellence in Energy Research, \$100 cash award

**School** **Amity Regional High School** **Woodbridge** **Catherine Piscitelli**

**Project Title** Developing a Machine Learning Algorithm to Accurately Predict Geomagnetic Storms

**Proj. No.** **6081**

**Student(s)** Iris Yan **Grade** 10 **Town** Woodbridge

### Wisner Chairman's Award

**Award** \$500 cash & Plaque HS

**School** **Amity Regional High School** **Woodbridge** **Catherine Piscitelli**

**Project Title** Theoretical Modelling and Parameterization of a Novel-Actuator-Based Transtibial Pediatric Prosthetic

**Proj. No.** **6031**

**Student(s)** Aditi Bhattamishra **Grade** 10 **Town** Orange

<b>Award</b>	\$500 cash & Plaque MS		
<b>School</b>	Hamden Hall Country Day School	Hamden	Frank Gasparro
<b>Project Title</b>	2009 MacBook Restoration		
<b>Proj. No.</b>	5507		
<b>Student(s)</b>	Andrei Balas	Grade 8	Town Cheshire

### Wisner Memorial Award

<b>Award</b>	\$ 1000 cash + Silver Bowl (\$2000 cash if a team) High School		
<b>School</b>	Westover School	Middlebury	Sydney Kadiyala
<b>Project Title</b>	Flexible mechanical worm based on steering gear		
<b>Proj. No.</b>	6032		
<b>Student(s)</b>	Xinyi Xie	Grade 11	Town Middlebury

### Yale Science & Engineering Association, Inc.

<b>Award</b>	1 Certificate, Medallion and 1- \$25 gift card given by CSEF		
<b>School</b>	Hopkins School	New Haven	Dr. Phillip Stewart
<b>Project Title</b>	Real-Time Motion Tracking System and Data Analytics for Live Insects Using Three-Wheeled Servosphere Robot		
<b>Proj. No.</b>	6054		
<b>Student(s)</b>	Nicholas Lee	Grade 11	Town Trumbull

### Zepke Awards

<b>Award</b>	\$100 - For the Best Use of Electronic Circuitry- Middle School		
<b>School</b>	Westside Middle School Academy	Danbury	Jonathan Neuhausel
<b>Project Title</b>	Design and Testing of an Integrated 360 Degree Pi Camera System for Deep Well Rescue Mission		
<b>Proj. No.</b>	5505		
<b>Student(s)</b>	Sandhya Sudarsanam	Grade 8	Town Danbury

<b>Award</b>	\$125 - For the Best Use of Electronic Circuitry- Senior High		
<b>School</b>	Cheshire High School	Cheshire	Julie Barker
<b>Project Title</b>	How Raspberry Pi Microcomputers and Computer Vision Artificial Intelligence Can Be Utilized to Provide Aid to the Visually Impaired Community		
<b>Proj. No.</b>	6030		
<b>Student(s)</b>	Siddhant Bhardwaj	Grade 11	Town Cheshire