



Conn. Science & Engineering Fair Quinnipiac University

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Special Awards

Alumni Botany Awards

Award	Alumni High School Botany Award- \$150 Cash		
School	Platt Technical High School	Milford	Sara Bruno
Project Title	Green Growth Academy		
Proj. No.	6516		
Student(s)	Danyalis Perez-Cumba	Grade 11	Town North Haven
	Maureen Freire-Trejo	Grade 11	Town Bridgeport
	Karen Plazas	Grade 11	Town Bridgeport

Award	Alumni Middle School Botany Award- \$100 Cash		
School	Fields Memorial School	Bozrah	Joshua fish
Project Title	A study of the efficiency of ice melt substances and their environmental impact on roadside vegetation		
Proj. No.	1025		
Student(s)	Analise Williams	Grade 7	Town bozrah
	Ella Sikorski	Grade 7	Town Bozrah

American Institute of Aeronautics & Astronautics - Connecticut Section

Award	\$200 award, certificate		
School	Greenwich Country Day School	Greenwich	Nathan Haag
Project Title	Optimizing Vertical Take-Off and Landing (VTOL) Aircraft Efficiency Through Propeller Design: Making Air Flight More Accessible, Affordable, and Sustainable		
Proj. No.	6099		
Student(s)	Cooper Taylor	Grade 11	Town Greenwich

American Psychological Association

Award	Certificate, \$25 gift card given by CSEF		
School	Engineering and Science University Magnet	New Haven	Alyssa Anderson
Project Title	Do we link certain titles to certain emotions?		
Proj. No.	2013		
Student(s)	Srikar Mandalika	Grade 7	Town Milford

Award	Certificate, \$25 gift card given by CSEF		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Sleep to Succes: How Sleep Impacts Student Acedemic Performance		
Proj. No.	3117		
Student(s)	Harry Saunders	Grade 10	Town greenwich

Award	Certificate, \$25 gift card given by CSEF		
School	Middlebrook School	Wilton	Janica Bagosy
Project Title	The Effect of Screen Time on Your Body's Circadian Rhythms		
Proj. No.	5519		
Student(s)	Kanira Baskar	Grade 8	Town WILTON

American Society of Safety Professionals, CT Valley Chapter

Award	\$150 grade 7-8 project		
School	Fields Memorial School	Bozrah	Joshua fish
Project Title	A study of the efficiency of ice melt substances and their environmental impact on roadside vegetation		
Proj. No.	1025		
Student(s)	Analise Williams	Grade 7	Town bozrah
	Ella Sikorski	Grade 7	Town Bozrah

Award	\$150 grade 7-8 project		
School	Middlebrook School	Wilton	Leah Pariso
Project Title	Cell Shield: Investigating Materials to Block Non-ionizing Radiofrequency Radiation from Common Cell Phone Use		
Proj. No.	5013		
Student(s)	Bennett Norful	Grade 7	Town WILTON

Award	\$150 grade 7-8 project		
School	Middlebrook School	Wilton	Jessica Garcia
Project Title	Smart Eye: Assistive Glasses for the Visually Impaired		
Proj. No.	5527		
Student(s)	Ishan Chugh	Grade 8	Town Wilton

Award	\$200 grade 9-12 project		
School	Sacred Heart Academy	Hamden	Paula Napychank
Project Title	Assessing Hearing Risk: Analyzing Noise Levels of Hairdryers and Effective Sound Dampening Techniques		
Proj. No.	3007		
Student(s)	Alessandra Picard	Grade 9	Town MADISON

Award	\$200 grade 9-12 project		
School	Taft School	Watertown	Amanda Benedict
Project Title	Adaptive Multi-Link Portable Knee Exoskeleton		
Proj. No.	6008		
Student(s)	Dylan Shi	Grade 10	Town Watertown

Award	\$200 grade 9-12 project		
School	Fairchild Wheeler-Infotech	Bridgeport	Ricki Chiem
Project Title	The Benefits of Designing Base Isolators for Earthquake Proof Structures		
Proj. No.	6518		
Student(s)	Ayden Gamble	Grade 10	Town Bridgeport
	Eddie Bermudez	Grade 11	Town Bridgeport

Aquarion Water Company

Award	1st, \$300.00 Cash - Grade 9-12 For Excellence in Water Quality or Environmental Management		
School	King School	Stamford	Victoria Schulman
Project Title	An Effective Water Treatment Method: Adsorption of Ni(II) Ions in Water Using DNA-Wrapped Carbon Nanotubes		
Proj. No.	6031		
Student(s)	Bruno Reinhoefer Ribeiro	Grade 11	Town Riverside

Award	1st, \$200.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management		
School	Eastern Middle School	Greenwich	Andrew Bramante
Project Title	Identification of the Optimal Wastewater Algae for Production of Degradable Bioplastics from PHB		
Proj. No.	2501		
Student(s)	Leo Foell	Grade 8	Town Greenwich

Award	2nd. \$150.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management		
School	Saint Gregory the Great School	Danbury	Christine Fahey
Project Title	1 Pollutant: 4 Filtering Methods		
Proj. No.	2012		
Student(s)	Dheer Bhavsar	Grade 7	Town Danbury

Award	2nd. \$250.00 Cash - Grade 9-12 For Excellence in Water Quality or Environmental Management		
School	Taft School	Watertown	Amanda Benedict
Project Title	Biomimetic Filtration: Applying the Voronoi Pattern of Sea Urchin Shells to Remove Lead from		
Proj. No.	3105	Connecticut's Water Supply and Combat Marine Desertification	
Student(s)	Dongun Rhee	Grade 9	Town Watertown

Award	3rd \$200.00 Cash - Grade 9-12 For Excellence in Water Quality or Environment Management		
School	Ridgefield High School	Ridgefield	Patrick Hughes
Project Title	The Effects of Moisture Levels on Polystyrene Consumption in Tenebrio Molitor		
Proj. No.	3046		
Student(s)	Elijah Yurkovsky	Grade 12	Town Ridgefield

Award	3rd. \$100.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management		
School	Worthington Hooker School	New Haven	Douglas Jones
Project Title	Effects of Salinity, Water Temperature, and Distance on Electrolysis		
Proj. No.	2011		
Student(s)	Samuel Kaplan-Fay	Grade 7	Town New Haven

Arthur & Ruth Mensing Awards

Award	Mensing Award Excellence in the High School Physical Sciences - \$500		
School	Saint James School	Manchester	Brianna Hawkins
Project Title	Why is wool warmer than most fabric?		
Proj. No.	5520		
Student(s)	Saanvi Sethi	Grade 8	Town Manchester

Association for Women Geoscientists

Award	Certificate & \$25 gift card given by CSEF		
School	Fields Memorial School	Bozrah	Joshua fish
Project Title	A study of the efficiency of ice melt substances and their environmental impact on roadside vegetation		
Proj. No.	1025		
Student(s)	Analise Williams	Grade 7	Town bozrah
	Ella Sikorski	Grade 7	Town Bozrah

Award	Certificate & \$25 gift card given by CSEF		
School	Sacred Heart Greenwich	Greenwich	Mary Musolino
Project Title	Testing the Effectiveness of Green and Black Tea as a Plant Nutrient		
Proj. No.	2509		
Student(s)	Paige Creegan	Grade 8	Town Briarcliff Manor

Award	Certificate & \$25 gift card given by CSEF		
School	Darien High School	Darien	Guy Pratt
Project Title	Correlation Between Depth and Transplantation Success Among 3 Coral Species		
Proj. No.	3015		
Student(s)	Emma Meyers	Grade 12	Town Darien

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

Award	Senior Project-\$500, subscription to Sky and Telescope, ASGH membership and meeting invitation		
School	Darien High School	Darien	Christine Leventhal
Project Title	Confirming TESS exoplanet candidates and searching for multi-planetary systems using transit photometry and timing variations		
Proj. No.	6030		
Student(s)	Allison Valji	Grade 12	Town Darien

Banning Family Life Science Award

Award	For excellence in invasive species research, \$100 cash		
School	Fairfield Warde	Fairfield	Ryan Gleason
Project Title	The affect of invasive English Ivy on native Wild Ginger plants		
Proj. No.	3536		
Student(s)	Calista Gleason	Grade 10	Town Fairfield
	Emma Speicher	Grade 10	Town Fairfield

Biophysical Society

Award	Biophysics Award- \$100		
School	Choate Rosemary Hall	Wallingford	Shiyao Gu
Project Title	A Novel Fishbone-Shaped Smart Glove for Stroke Patients		
Proj. No.	6086		
Student(s)	Jingyan Liu	Grade 9	Town Shanghai

Bushnell Center for Performing Arts

Award	Pair of Tickets to a show for top project that is behavioral or social sciences related		
School	Wilton High School	Wilton	Krystyna de Jacq
Project Title	Leveraging natural language processing to identify real-time risk for mental health conditions among teens		
Proj. No.	6010		
Student(s)	Jackson Norful	Grade 9	Town WILTON

Award	Pair of Tickets to Illuminate Dance - for top project involving technology and lights for Arts Applications, if possible		
School	ACES at Chase	Waterbury	Rachel Murray
Project Title	What Materials Cause the Most Static Electricity to Light an Incandescent Light Bulb?		
Proj. No.	5001		
Student(s)	LaRaina Johnson	Grade 7	Town Waterbury

Christopher T. Borowiec Excellence in Innovation Awards

Award	\$100 Cash for Excellence in Innovation with emphasis in Artificial Intelligence		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Development of nnU-Net model for pediatric brain tumor segmentation in multi-modality MRI images		
Proj. No.	3112		
Student(s)	Sophie Yu	Grade 10	Town Riverside

Award	\$100 Cash for Excellence in Planetary Science		
School	Darien High School	Darien	David Lewis
Project Title	The Detection of Circumstellar Debris Disks in Stellar Environments of 3 Habitable Small or Low-Mass Planet Candidates		
Proj. No.	6054		
Student(s)	Julian Du	Grade 10	Town Darien

Connecticut Academy of Audiology Awards

Award	\$200 Award HS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist		
School	Choate Rosemary Hall	Wallingford	ning tang
Project Title	Development of Innovative Low-Frequency Sound Absorption Structures Using Advanced Metamaterials		
Proj. No.	6012		
Student(s)	Neil Wang	Grade 10	Town long island city

Award	\$200 Award MS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist		
School	Sacred Heart Academy	Hamden	Paula Napychank
Project Title	Assessing Hearing Risk: Analyzing Noise Levels of Hairdryers and Effective Sound Dampening Techniques		
Proj. No.	3007		
Student(s)	Alessandra Picard	Grade 9	Town MADISON

Connecticut Association of Physics Teachers

Award	\$100 Senior project		
School	Hamden Hall Country Day School	Hamden	Jacob Marchesi
Project Title	Energy Absorption Efficiency of Various Crumple Zone Materials in Pendulum Impact Tests on Model Cars		
Proj. No.	6506		
Student(s)	Frida Ramirez Moreno	Grade 10	Town Meriden
	Barbara Ramirez Moreno	Grade 11	Town Meriden

Connecticut College-Physics, Astronomy, & Geophysics Dept.

Award	Junior Award: Certificate, \$100 Cash		
School	Fields Memorial School	Bozrah	Joshua Fish
Project Title	A Study of the Impact of Slope, Materials, and Lubrication on Friction.		
Proj. No.	4016		
Student(s)	Elise Kobelski	Grade 8	Town Bozrah
	Hannah East	Grade 8	Town Bozrah
	Serena BunkerCai	Grade 8	Town Bozrah

Award	Senior Award: Certificate, \$100 Cash		
School	Miss Porter's School	Farmington	Christine Scanlon
Project Title	Development of a Gravitational Lensing Model: The Effect of Lens Position and Orientation on Image Distortion		
Proj. No.	6103		
Student(s)	Claire Lee	Grade 10	Town FARMINGTON

Connecticut Invention Convention "Next Step Inventors"

Award	Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3		
School	Greenwich Catholic School	Greenwich	Timothy Koppe
Project Title	MedAssist (Smart medicine storage)		
Proj. No.	4015		
Student(s)	Artem Perekhodko	Grade 7	Town stamford
	Jose Miguel Bowles	Grade 7	Town Greenwich
	Ben Ballester	Grade 7	Town Stamford

Award	Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3		
School	Middlebrook School	Wilton	Jessica Garcia
Project Title	Smart Eye: Assistive Glasses for the Visually Impaired		
Proj. No.	5527		
Student(s)	Ishan Chugh	Grade 8	Town Wilton

Award	Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3		
School	Christian Heritage School	Trumbull	Daniel Cote
Project Title	Converting Plastic Water Bottle to 3D Printing Filament		
Proj. No.	6014		
Student(s)	Zule Sun	Grade 11	Town Trumbull

Award	Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3		
School	Bethel High School	Bethel	Turek Ray
Project Title	Advancing Personalized Seizure Control: A Cutting-Edge Real-Time EEG Feedback System for Precision Adaptive Neurostimulation		
Proj. No.	6035		
Student(s)	Srirama Desiraju	Grade 11	Town Bethel

Award	Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3		
School	Cheshire High School	Cheshire	Julie Barker
Project Title	The Design and Development of a Smart and Effective Multi-Device Airline Seatbelt Alert System for Preventing Turbulence-Related Injuries Using IoT Technology		
Proj. No.	6058		
Student(s)	Suchita Srinivasan	Grade 11	Town Cheshire

Award	Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
Project Title	Band-aid Hydration Monitor		
Proj. No.	6089		
Student(s)	Ethan Liu	Grade 9	Town Farmington

Connecticut Science Supervisors Association

Award	\$125 for a high school project		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah Koby Osei-Mensah
Project Title	Differentiation and Functional Analysis of hESC - Derived Cerebral Organoids for Modelling the AUTS2 Variant		
Proj. No.	3107		
Student(s)	JIAYI Liu	Grade 11	Town Windsor

Award	\$125 for a middle school project		
School	Eastern Middle School	Greenwich	Andrew Bramante
Project Title	Identification of the Optimal Wastewater Algae for Production of Degradable Bioplastics from PHB		
Proj. No.	2501		
Student(s)	Leo Foell	Grade 8	Town Greenwich

Constellation Energy

Award	1st: \$100.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy		
School	Chiaravalle Academy	Enfield	Tim Coleman
Project Title	1 Step Towards a Greener World		
Proj. No.	4008		
Student(s)	Megan Quinby	Grade 8	Town Windsor
	Nathaniel Kelly	Grade 8	Town Longmeadow

Award	1st: \$150.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy		
School	Fairchild Wheeler-Biotech	Bridgeport	Tara Liskov
Project Title	Energy Production from a Homemade Hydrogen Cell		
Proj. No.	6072		
Student(s)	Wyatt Speight	Grade 12	Town Fairfield

Award	2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy		
School	South Windsor High School	South Windsor	Danel Eitel
Project Title	Waste to Watts		
Proj. No.	6514		
Student(s)	Rishi Murali	Grade 10	Town South Windsor
	Gavin Lippi	Grade 10	Town South Windsor
	Prahaladhan Rajarajan	Grade 10	Town south windsor

Award	2nd: \$50.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy		
School	ACES at Chase	Waterbury	Rachel Murray
Project Title	What Materials Cause the Most Static Electricity to Light an Incandescent Light Bulb?		
Proj. No.	5001		
Student(s)	LaRaina Johnson	Grade 7	Town Waterbury

CT Architecture Foundation - The William M. Mack, AIA Awards

Award	\$250 Amazon Gift Card from the Connecticut Architecture Foundation, William M. Mack, AIA Award for Innovation in Building Performance.		
School	John Winthrop School	Bridgeport	Srilakshmi Kongani
Project Title	Don't Quake, Choose the Right Shape!		
Proj. No.	4005		
Student(s)	Kyleen Negron	Grade 8	Town Bridgeport
	Leah Brioso	Grade 8	Town Bridgeport

Award	\$250 Amazon Gift Card from the Connecticut Architecture Foundation, William M. Mack, AIA Award for Innovation in Building Sustainability.		
School	Platt Technical High School	Milford	Sara Bruno
Project Title	Green Growth Academy		
Proj. No.	6516		
Student(s)	Danyalis Perez-Cumba	Grade 11	Town North Haven
	Maureen Freire-Trejo	Grade 11	Town Bridgeport
	Karen Plazas	Grade 11	Town Bridgeport

Demos R Us Awards

Award	\$150 Cash Award-- Clear Execution of Research- 7th Grade		
School	ACES at Chase	Waterbury	Rachel Murray
Project Title	Analyzing DNA		
Proj. No.	5015		
Student(s)	Doreen Cajuste	Grade 7	Town Wolcott

Award	\$200 Cash Award- Clear Execution of Research- 8th Grade		
School	Engineering and Science University Magnet	New Haven	Alyssa Anderson
Project Title	Investigating the Chemical Properties and Efficiency of Homeade Batteries: A Focus on Voltage, Energy and Chemical Reactions		
Proj. No.	5512		
Student(s)	Anabelle Silverman	Grade 8	Town New Haven

Dreams Unlimited Award

Award	\$150 cash award and certificate		
School	Middlebrook School	Wilton	Jessica Garcia
Project Title	Smart Eye: Assistive Glasses for the Visually Impaired		
Proj. No.	5527		
Student(s)	Ishan Chugh	Grade 8	Town Wilton

Electric Boat Management Association Science and Engineering Research Awards

Award	Top Prize in Nautical Research - \$200 Cash for top project that has innovative nautical applications		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
Project Title	A Stroke of Genius: Applying Smart Wearable Technology to Record and Improve Freestyle Stroke in Competitive Swimmers		
Proj. No.	6002		
Student(s)	George Mirgorodskiy	Grade 11	Town San Mateo

Award	Top Prize in Nuclear Energy - \$200 Cash for top project that has innovative nuclear applications		
School	Middlebrook School	Wilton	Leah Pariso
Project Title	Cell Shield: Investigating Materials to Block Non-ionizing Radiofrequency Radiation from Common Cell Phone Use		
Proj. No.	5013		
Student(s)	Bennett Norful	Grade 7	Town WILTON

Freeman Family Excellence in Chemistry Awards

Award	\$100 For Excellence in Chemistry or Chemical Engineering - Middle School		
School	Engineering and Science University Magnet	New Haven	Alyssa Anderson
Project Title	Investigating the Chemical Properties and Efficiency of Homeade Batteries: A Focus on Voltage, Energy and Chemical Reactions		
Proj. No.	5512		
Student(s)	Anabelle Silverman	Grade 8	Town New Haven

Award	\$200 For Excellence in Chemistry or Chemical Engineering - High School		
School	Amity Regional High School	Woodbridge	Sarah Reeves
Project Title	Enhancing Coral Reef Resilience Through Utilizing a Two-Part Dosing System to Increase the pH levels of CO ₂ -Acidified Ocean Water		
Proj. No.	3128		
Student(s)	Jason Liang	Grade 11	Town Woodbridge

GENIUS Olympiad

Award	GENIUS Olympiad Competition for 1st Place HS Environmental Project		
School	Southington High School	Southington	Ismail Agirman
Project Title	Mitigation of Cyclohexane Concentrations in Drinking Water using photosynthetic molecule Chlorophyll		
Proj. No.	3060		
Student(s)	Esra Agirman	Grade 9	Town Southington

Award	GENIUS Olympiad Competition for 1st Place Technical High School		
School	Norwich Technical High School	Norwich	Aleatha Pelloni
Project Title	Proving Microplastics Transfer from Water to Living Organisms Through Vegetation		
Proj. No.	3012		
Student(s)	Solibella Davis	Grade 11	Town New London

Award	GENIUS Olympiad Competition for Highest Placing USC 8th grade Project		
School	Westside Middle School Academy	Danbury	Nancy Barlow
Project Title	The Benefit of A Coded Device To Water Plants Automatically		
Proj. No.	5528		
Student(s)	Mackenzie Cooper	Grade 8	Town Danbury

Award	GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project		
School	Fairchild Wheeler-Biotech	Bridgeport	Tara Liskov
Project Title	Energy Production from a Homemade Hydrogen Cell		
Proj. No.	6072		
Student(s)	Wyatt Speight	Grade 12	Town Fairfield

Award	GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project		
School	Amity Regional High School	Woodbridge	Lindsay McCarthy
Project Title	Developing a Solar-Powered Water Purification Device Using Hybrid Nanomaterials for Atmospheric Water Harvesting and Filtration		
Proj. No.	6076		
Student(s)	Nikhil Petrov	Grade 12	Town Woodbridge

Award	GENIUS Olympiad Competition for 1st Place HS Future Sustainability		
School	South Windsor High School	South Windsor	April Davis
Project Title	PFOAway: An Eco-Friendly, Affordable PFOA Absorbent & Degradation Tabletop Filtration Product		
Proj. No.	6519		
Student(s)	Akhil Shunmugaraja	Grade 10	Town South Windsor
	Neelesh Sathish	Grade 10	Town South Windsor

Geology/Historic Project of Merit Award

Award	\$150 - Earth Science - Field work with Geologic or historic value		
School	Chiaravalle Academy	Enfield	Tim Coleman
Project Title	Evaluating the Effectiveness of Rainwater Filtration		
Proj. No.	4003		
Student(s)	Leah Caswell	Grade 8	Town Enfield
	Marin Czerwicz	Grade 8	Town Agawam
	Arianna Plaz	Grade 8	Town Suffield

Award	\$50 - Earth Science - Field work with Geologic or historic value		
School	Ridgefield High School	Ridgefield	Patrick Hughes
Project Title	Synthetic Turf Fields Effect on Water Features		
Proj. No.	6053		
Student(s)	Elayna Wright	Grade 12	Town Ridgefield

IEEE William R. Wessman Awards

Award	\$100 Honorable Mention		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Targeted Delivery of a Melittin Anti-inflammatory Peptide via a Eudragit-Coated Sporopollenin Exine Capsule, for Effective Treatment of Crohn's Disease		
Proj. No.	3006		
Student(s)	Hannah Deruz	Grade 10	Town Greenwich

Award	\$100 Honorable Mention		
School	Middlebrook School	Wilton	Debbie Mallozzi
Project Title	Bus Notification System with Raspberry Pi		
Proj. No.	5507		
Student(s)	Vidit Prabhu	Grade 8	Town Wilton

Award	\$100 Honorable Mention		
School	Greens Farms Academy	Westport	Mathieu Freeman
Project Title	Investigating Modified Dental X-Rays in Novel Digital Computed Radiography Imaging for Emergency Medical Services		
Proj. No.	5523		
Student(s)	Dylan Karpf	Grade 8	Town Westport

Award	\$100 Honorable Mention		
School	Academy of Aerospace & Engineering	Windsor	Thomas Brown
Project Title	Investigating Aerodynamic In Shapes of Drone: How will it affect the speed, efficiency, and drag?		
Proj. No.	6096		
Student(s)	Aulona Misini	Grade 12	Town Hartford

Award	\$100 Honorable Mention		
School	The Loomis Chaffee School	Windsor	Koby Osei
Project Title	A Multi-Modal Modular Robotic System: Self-Assembly and Navigation in Complex Terrains		
Proj. No.	6098		
Student(s)	Michael Ma	Grade 9	Town Medina

Award	\$250 Honors Award -Senior		
School	Kent School	Kent	ZIHAO DU
Project Title	Three-Support Lower-Limb Exoskeleton Device Integrating Multifunctionality and Feedback Mechanisms		
Proj. No.	6100		
Student(s)	OliviaLu Feng	Grade 11	Town Guangzhou, China

Award	\$250 Honors Award -Junior		
School	Middlebrook School	Wilton	Jessica Garcia
Project Title	Smart Eye: Assistive Glasses for the Visually Impaired		
Proj. No.	5527		
Student(s)	Ishan Chugh	Grade 8	Town Wilton

Institute of Food Technologists, Nutmeg Section

Award	\$100 award + invitation to Awards Night Dinner with guest		
School	Westside Middle School Academy	Danbury	Nancy Barlow
Project Title	Does heating or cooling a fruit/vegetable lower the amount of Brix?		
Proj. No.	1005		
Student(s)	Mohammad Rehan	Grade 7	Town Danbury
	Gowtham Vallinayagam	Grade 7	Town Danbury

Award	\$150 award + invitation to Awards Night Dinner with guest		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Facilitated Ethylene Absorption and Freshness Preservation via All-Natural Sodium Chloride and		
Proj. No.	6020		
Student(s)	Nishant Jain	Grade 10	Town Riverside

Award	\$50 award + invitation to Awards Night Dinner with guest		
School	Bethel High School	Bethel	Raymond Turek
Project Title	Evaluating the Effectiveness of Natural Antioxidants in Slowing Food Oxidation and Extending Shelf Life		
Proj. No.	6045		
Student(s)	Katie Bui	Grade 12	Town Bethel

J.A. Augustine and H. Glista Awards

Award	\$100 for excellence in Life Sciences		
School	Central Middle School	Greenwich	Andrew Bramante
Project Title	Development of a Thyme Oil-in-Hydromed Wearable Anklet for the Natural, Effective Repellant of Ticks		
Proj. No.	2505		
Student(s)	Clara Cahill	Grade 8	Town Greenwich

Award	\$100 for excellence in Physical Sciences		
School	Fields Memorial School	Bozrah	Joshua Fish
Project Title	A Study of the Impact of Slope, Materials, and Lubrication on Friction.		
Proj. No.	4016		
Student(s)	Elise Kobelski	Grade 8	Town Bozrah
	Hannah East	Grade 8	Town Bozrah
	Serena BunkerCai	Grade 8	Town Bozrah

Award	\$100 H. Glista Award for Physical Sciences		
School	Greenwich Country Day School	Greenwich	Nathan Haag
Project Title	Effectiveness of a Smart Traffic Light Utilizing IoT Technologies for High School Campuses		
Proj. No.	6108		
Student(s)	Christian Suy Pineda	Grade 11	Town Stamford

Jon Chapitis Memorial Award

Award	Jon Chapitis Spirit of Innovation Award - HS \$200		
School	Choate Rosemary Hall	Wallingford	Shiyao Gu
Project Title	A Novel Fishbone-Shaped Smart Glove for Stroke Patients		
Proj. No.	6086		
Student(s)	Jingyan Liu	Grade 9	Town Shanghai

Award	Jon Chapitis Spirit of Innovation Award - MS \$100		
School	John Winthrop School	Bridgeport	Srilakshmi Kongani
Project Title	Don't Quake, Choose the Right Shape!		
Proj. No.	4005		
Student(s)	Kyleen Negron	Grade 8	Town Bridgeport
	Leah Brioso	Grade 8	Town Bridgeport

Jon Stone Memorial Award

Award	Jon Stone Award for Innovative Engineering- \$100		
School	Hamden Hall Country Day School	Hamden	Robert Link
Project Title	Development and experimentation of an AI algorithm alongside a Near-Infrared LED device to assist in venipuncture.		
Proj. No.	3134		
Student(s)	Neev Makin	Grade 11	Town Hamden

Award	Jon Stone Award for Innovative Engineering- \$100		
School	Amity Regional High School	Woodbridge	Lindsay McCarthy
Project Title	Developing a Wireless, Discreet, Precise, and Painless Piezoelectric Micropump System for Diabetes Patients		
Proj. No.	6017		
Student(s)	Joy Deng	Grade 11	Town Orange

Kiev Family Awards

Award	1st place - \$250 - For Excellence in Engineering High School		
School	Taft School	Watertown	Amanda Benedict
Project Title	Adaptive Multi-Link Portable Knee Exoskeleton		
Proj. No.	6008		
Student(s)	Dylan Shi	Grade 10	Town Watertown

Award	1st place - \$250 - For Excellence in Engineering Middle School		
School	Theodore Roosevelt School	Bridgeport	Sherita Paul
Project Title	The Strength of Bridges		
Proj. No.	5522		
Student(s)	Edmond Deshotel	Grade 8	Town Bridgeport

Award	2nd place - \$150 - For Excellence in Engineering High School		
School	Taft School	Watertown	Amanda Benedict
Project Title	Bionic Shoulder Joint Based on Cable Powered Technology		
Proj. No.	6067		
Student(s)	Yan Chak So	Grade 10	Town Watertown

Award	2nd place - \$150 - For Excellence in Engineering Middle School		
School	Western Middle School	Greenwich	Andrew Bramante
Project Title	Integration of Photoluminescent Manganese-doped ZnS Nanocrystals		
Proj. No.	5502		
Student(s)	Alexandra Rothstein	Grade 8	Town Greenwich

Award	3rd place - \$100 - For Excellence in Engineering High School		
School	Academy of Aerospace & Engineering	Windsor	Charles Copeland
Project Title	Using Metal Cores as a Sustainable Energy Storage Solution Optimized by an AI-Driven Model to Predict Supply-Demand Dynamics of the Energy Market		
Proj. No.	6109		
Student(s)	Aaditya Sadhvani	Grade 9	Town Ellington

Award	3rd place - \$100 - For Excellence in Engineering Middle School		
School	Middlebrook School	Wilton	Leah Pariso
Project Title	Cell Shield: Investigating Materials to Block Non-ionizing Radiofrequency Radiation from Common Cell Phone Use		
Proj. No.	5013		
Student(s)	Bennett Norful	Grade 7	Town WILTON

Lemelson Early Inventor Award

Award	Certificate & \$100 cash award from Lemelson Foundation		
School	Greens Farms Academy	Westport	Mathieu Freeman
Project Title	Investigating Modified Dental X-Rays in Novel Digital Computed Radiography Imaging for Emergency Medical Services		
Proj. No.	5523		
Student(s)	Dylan Karpf	Grade 8	Town Westport

Lunch with a Patent Attorney

Award	Lunch with a Patent Attorney		
School	Hamden Hall Country Day School	Hamden	Robert Link
Project Title	Development and experimentation of an AI algorithm alongside a Near-Infrared LED device to assist in venipuncture.		
Proj. No.	3134		
Student(s)	Neev Makin	Grade 11	Town Hamden

Maplesoft Awards for Applied Mathematics and Modeling

Award	Maple software, , gift packs, & T-shirt - For Excellence in Mathematics		
School	South Windsor High School	South Windsor	Danel Eitel
Project Title	OatNET: Novel Neural Network architecture & mathematical model for reducing Dense Layer computational complexity via ternary weight decomposition & rank-1 magnitude approximation.		
Proj. No.	6047		
Student(s)	Karthik Srikumar	Grade 10	Town South Windsor

Award	Maple software, gift packs, & T-shirt - For Excellence in Mathematics		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Consideration of Location-specific Weather and Topographic Datasets to Model Efficient Deployment of Forest Fire Flame Retardants		
Proj. No.	6009		
Student(s)	Iri Pullepu	Grade 9	Town Old Greenwich

MIT Club of Hartford K-12 Initiative

Award	For excellence in science & technology of energy related research, middle school, \$100 cash award		
School	Engineering and Science University Magnet	New Haven	Alyssa Anderson
Project Title	Investigating the Chemical Properties and Efficiency of Homeade Batteries: A Focus on Voltage, Energy and Chemical Reactions		
Proj. No.	5512		
Student(s)	Anabelle Silverman	Grade 8	Town New Haven

MTU Aero Engines North America, Inc.

Award	MTU Aero Engines Mechanical Engineering Applied Principles Award - \$250		
School	Greenwich Country Day School	Greenwich	Nathan Haag
Project Title	Optimizing Vertical Take-Off and Landing (VTOL) Aircraft Efficiency Through Propeller Design: Making Air Flight More Accessible, Affordable, and Sustainable		
Proj. No.	6099		
Student(s)	Cooper Taylor	Grade 11	Town Greenwich

Award	MTU Aero Engines Mechanical Engineering Innovative Concept Award - \$250		
School	Greenwich Country Day School	Greenwich	Nathan Haag
Project Title	Effectiveness of a Smart Traffic Light Utilizing IoT Technologies for High School Campuses		
Proj. No.	6108		
Student(s)	Christian Suy Pineda	Grade 11	Town Stamford

NASA EARTH System Science Award

Award	Certificate and \$25 gift card given by CSEF		
School	Greens Farms Academy	Westport	Mathieu Freeman
Project Title	How Different Wing Shapes Affect The Way That Model Planes Fly		
Proj. No.	5506		
Student(s)	Ben Kiev	Grade 8	Town Westport

Award	Certificate and \$25 gift card given by CSEF		
School	Amity Regional High School	Woodbridge	Sarah Reeves
Project Title	Investigating the Relationship Between the Luminosity and the Extent of the [O III] Narrow-Line Region in Nearby Type 2 Seyfert Galaxies.		
Proj. No.	6037		
Student(s)	Tony Zhang	Grade 11	Town Woodbridge

Award	Certificate and \$25 gift card given by CSEF		
School	Greenwich Country Day School	Greenwich	Nathan Haag
Project Title	Optimizing Vertical Take-Off and Landing (VTOL) Aircraft Efficiency Through Propeller Design: Making Air Flight More Accessible, Affordable, and Sustainable		
Proj. No.	6099		
Student(s)	Cooper Taylor	Grade 11	Town Greenwich

National Center for Inquiry Learning

Award	Daniel & Maggie Award for Imagination - MS \$100		
School	ACES at Chase	Waterbury	Rachel Murray
Project Title	Analyzing DNA		
Proj. No.	5015		
Student(s)	Doreen Cajuste	Grade 7	Town Wolcott

Award	Daniel & Maggie Award for Imagination - MS \$100		
School	Middlebrook School	Wilton	Debbie Mallozzi
Project Title	Bus Notification System with Raspberry Pi		
Proj. No.	5507		
Student(s)	Vidit Prabhu	Grade 8	Town Wilton

National Oceanic and Atmospheric Administration

Award	Certificate and \$25 gift card given by CSEF		
School	Sacred Heart Greenwich	Greenwich	Mary Musolino
Project Title	The Effect of Silver Nanoparticles and Microplastics on the Reproductive Rate and Lifespan of Artemia Salina		
Proj. No.	1013		
Student(s)	Sophia Iyer	Grade 8	Town Darien
	Sydney Bellissimo	Grade 8	Town Riverside

Award	Certificate and \$25 gift card given by CSEF		
School	Taft School	Watertown	Amanda Benedict
Project Title	Biomimetic Filtration: Applying the Voronoi Pattern of Sea Urchin Shells to Remove Lead from Connecticut's Water Supply and Combat Marine Desertification		
Proj. No.	3105		
Student(s)	Dongun Rhee	Grade 9	Town Watertown

Award	Certificate and \$25 gift card given by CSEFF		
School	Manchester High School	Manchester	Wendy Turek-Hernandez
Project Title	Flood Wave Reduction Due to Artificial Reefs		
Proj. No.	3153		
Student(s)	Anas Hales	Grade 12	Town Manchester

NYUC Pony Club Equine or Animal Science Award

Award	\$100 Cash Award for excellence in equine studies		
School	Saint James School	Manchester	Brianna Hawkins
Project Title	Why is wool warmer than most fabric?		
Proj. No.	5520		
Student(s)	Saanvi Sethi	Grade 8	Town Manchester

Award	\$100 Cash Award or excellence in equine studies		
School	Greens Farms Academy	Westport	Mathieu Freeman
Project Title	Equus Caballus and Human Heart Rate Variability Synchronization as a Model for Potential Atrial Fibrillation Treatment		
Proj. No.	3050		
Student(s)	Adeline Thompson	Grade 12	Town Easton

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

Award	High School- Certificate, \$75.00 gift card given by ONR		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Neural Network Interpretation of EEG Scans for Accurate Diagnosis of Asymptomatic Concussions		
Proj. No.	3017		
Student(s)	Isha Bharti	Grade 9	Town Riverside

Award	High School- Certificate, \$75.00 gift card given by ONR		
School	Choate Rosemary Hall	Wallingford	Ben Small
Project Title	Development of an AI-Enabled Pressure-Sensing Mat System and Validation of Novel Gait Biomarkers Through Multi-Sensor Fusion for Early Detection of Neurodegenerative Disorders		
Proj. No.	3155		
Student(s)	Rhea Doshi	Grade 10	Town Farmington

Award	High School- Certificate, \$75.00 gift card given by ONR		
School	Cheshire High School	Cheshire	Julie Barker
Project Title	The Design and Development of a Smart and Effective Multi-Device Airline Seatbelt Alert System for Preventing Turbulence-Related Injuries Using IoT Technology		
Proj. No.	6058		
Student(s)	Suchita Srinivasan	Grade 11	Town Cheshire

Award	High School- Certificate, \$75.00 gift card given by ONR		
School	King School	Stamford	Victoria Schulman
Project Title	A Voice Controlled Robotic Arm for Assisting Complex Surgical Tasks		
Proj. No.	6104		
Student(s)	Dillon Maltese	Grade 11	Town Greenwich

Award	Middle School- Certificate, \$25 gift card given by CSEF		
School	John Winthrop School	Bridgeport	Srilakshmi Kongani
Project Title	Don't Quake, Choose the Right Shape!		
Proj. No.	4005		
Student(s)	Kyleen Negron	Grade 8	Town Bridgeport
	Leah Brioso	Grade 8	Town Bridgeport

Award	Middle School- Certificate, \$25 gift card given by CSEF		
School	Hamden Hall Country Day School	Hamden	Paulomi Aldo
Project Title	Water Pressure Rocket		
Proj. No.	5002		
Student(s)	Russell Clune	Grade 7	Town Guilford

Award	Middle School- Certificate, \$25 gift card given by CSEF		
School	Saint Mark School	Stratford	Alexander Kennedy
Project Title	Metal Vs. Alloy, Which is Stronger?		
Proj. No.	5004		
Student(s)	Jaxon Keeler	Grade 7	Town Stratford

Otero Family Award

Award	The Otero Family Award; \$250 cash		
School	Choate Rosemary Hall	Wallingford	Zhiyuan Hu
Project Title	Clinical Application of Early Cancer Diagnosis: Supervised and Semi-Supervised Neural Networking for the Detection and Classification of Circulating Tumor Cells		
Proj. No.	3075		
Student(s)	Yumeng Wang	Grade 11	Town Wallingford

Project Oceanology

Award	Individual - 1 Marine Science Experience Camp spot + T-Shirt & cap (swag), First Place 8, 9, 10 grader valued at \$1095		
School	King School	Stamford	Victoria Schulman
Project Title	Understanding the effect of nutrient additives on the growth and performance of the seaweeds <i>Saccharina latissima</i> and <i>Gracilaria mammillaris</i>		
Proj. No.	3069		
Student(s)	Lucia Vivanco	Grade 11	Town Stamford

Regeneron Biomedical Science Award

Award	Certificate & \$375.00 cash		
School	Hamden Hall Country Day School	Hamden	Lucia Jilaveanu
Project Title	Caveolin-1 as a Biomarker and Potential Mediator of Melanoma Brain Metastasis		
Proj. No.	3140		
Student(s)	Andrei Balas	Grade 11	Town Cheshire

Ricoh Americas Corporation

Award	Certificate, \$25 gift card given by CSEF		
School	Saint Gregory the Great School	Danbury	Christine Fahey
Project Title	Fertilizer vs Compost		
Proj. No.	1003		
Student(s)	Lucia Molisani	Grade 7	Town Redding
	Gemma Molisani	Grade 7	Town Redding

Award	Certificate, \$25 gift card given by CSEF		
School	Eastern Middle School	Greenwich	Andrew Bramante
Project Title	Identification of the Optimal Wastewater Algae for Production of Degradable Bioplastics from PHB		
Proj. No.	2501		
Student(s)	Leo Foell	Grade 8	Town Greenwich

Award	Certificate, \$25 gift card given by CSEF		
School	Sacred Heart Greenwich	Greenwich	Mary Musolino
Project Title	Bamboo Bio-Plastic		
Proj. No.	2514		
Student(s)	Olivia Hastings	Grade 8	Town Greenwich

RNP Regenerative Medicine Excellence Awards

Award	\$250 - Excellence in Translational Medicine		
School	Norwich Technical High School	Norwich	Aleatha Pelloni
Project Title	Proving Microplastics Transfer from Water to Living Organisms Through Vegetation		
Proj. No.	3012		
Student(s)	Solibella Davis	Grade 11	Town New London

Award	\$250 - Excellence in Translational Medicine		
School	CT STEM	Redding	Lindsay McCarthy
Project Title	Evaluating the Antifungal Potential of Citronella and Cassia Essential Oils at Different Concentrations Against the Mycelia Growth of Bipolaris sorokiniana		
Proj. No.	3057		
Student(s)	Elena Huber	Grade 10	Town Woodbridge

Award	\$250 - Excellence in Translational Medicine		
School	Staples High School	Westport	Amy Parent
Project Title	The Effect of the Nutritional Supplement, Curcumin, on Vulval induction to evaluate its role in Epidermal Growth Factor Driven Cancers		
Proj. No.	3096		
Student(s)	Alexis Krenzer	Grade 12	Town Westport

Award	\$250 - Excellence in Translational Medicine		
School	Darien High School	Darien	David Lewis
Project Title	Association Between Food Insecurity and Mortality Outcomes Among Cancer Survivors in the United States		
Proj. No.	3131		
Student(s)	Lily Keehlwetter	Grade 12	Town Darien

Robert Francoeur Memorial Awards

Award	Creative or innovative project in engineering, computer science or mathematics by female students - \$100		
School	John Winthrop School	Bridgeport	Srilakshmi Kongani
Project Title	Don't Quake, Choose the Right Shape!		
Proj. No.	4005		
Student(s)	Kyleen Negron	Grade 8	Town Bridgeport
	Leah Brioso	Grade 8	Town Bridgeport

Award	Creative or innovative project in engineering, computer science or mathematics by female students - \$100		
School	Laurel Springs School	Stamford	Vera Ulanovskaya
Project Title	Research on Autoimmune Disease Spectrometer (RAD-Spec): A Machine Learning-Based Application for Improving Accessibility to Autoimmune Research		
Proj. No.	6046		
Student(s)	Victoria Makarov	Grade 11	Town Stamford

Schoepfer Award for Excellence in Local Aquatic Science

Award	For excellence in a local water quality study, \$100 cash		
School	Saint Gregory the Great School	Danbury	Christine Fahey
Project Title	1 Pollutant: 4 Filtering Methods		
Proj. No.	2012		
Student(s)	Dheer Bhavsar	Grade 7	Town Danbury

Society for In Vitro Biology

Award	Certificate and \$25 gift card given by CSEF		
School	Engineering and Science University Magnet	New Haven	Alyssa Anderson
Project Title	Evaluating LYVE1 Gene Expression in Breast Cancer Using qPCR Analysis and Comparing with Hyperparameter-Tuned Models for LYVE1 Gene Expression in Pancreatic Cancer		
Proj. No.	3008		
Student(s)	Nivrith Ananth Iyer	Grade 11	Town West Haven

Award	Certificate and \$25 gift card given by CSEF		
School	Staples High School	Westport	Amy Parent
Project Title	The Effects of Vitamin D Supplementation on Duchenne Muscular Dystrophy (DMD) in C. Elegans		
Proj. No.	3048		
Student(s)	Nolan Franics	Grade 11	Town Westport

Award	Certificate and \$25 gift card given by CSEF		
School	Norwich Technical High School	Norwich	Aleatha Pelloni
Project Title	Impact of Sunscreen Contaminants on Plutes Growth and Development		
Proj. No.	3509		
Student(s)	Addison Hackett	Grade 11	Town Willimantic
	Kaitlyn Tortorich	Grade 11	Town Windham

Society of Women Engineers - Hartford Section

Award	Scientific Calculator		
School	Middlebrook School	Wilton	Debbie Mallozzi
Project Title	Bus Notification System with Raspberry Pi		
Proj. No.	5507		
Student(s)	Vidit Prabhu	Grade 8	Town Wilton

Award	Scientific Calculator		
School	Engineering and Science University Magnet	New Haven	Alyssa Anderson
Project Title	Investigating the Chemical Properties and Efficiency of Homeade Batteries: A Focus on Voltage, Energy and Chemical Reactions		
Proj. No.	5512		
Student(s)	Anabelle Silverman	Grade 8	Town New Haven

Award	Scientific Calculator		
School	Cheshire Academy	Cheshire	Breanna Craft
Project Title	A Tracking System.		
Proj. No.	6013		
Student(s)	Deanna Dixon	Grade 11	Town Cheshire

Award	Scientific Calculator		
School	Amity Regional High School	Woodbridge	Lindsay McCarthy
Project Title	Developing a Wireless, Discreet, Precise, and Painless Piezoelectric Micropump System for Diabetes Patients		
Proj. No.	6017		
Student(s)	Joy Deng	Grade 11	Town Orange

Southeastern New England Marine Educators (SENEME)

Award	\$100 award and membership for student and teacher in SENEME - 1st Place Junior		
School	Central Middle School	Greenwich	Andrew Bramante
Project Title	Highlighting the Prevalence of Microplastics at Tod's Point Through Waste Water and Ocean Currents Using Scanning Electron Microscopy Analysis		
Proj. No.	5504		
Student(s)	Carter Henske	Grade 8	Town Greenwich

Award	\$100 award and membership for student and teacher in SENEME - 1st Place Senior		
School	South Windsor High School	South Windsor	Danel Eitel
Project Title	Biodegradable Packaging Materials: Using Polysaccharides found in Alginate Extract from Marine Macroalgae to mimic the structure and function of Conventional polymers		
Proj. No.	6079		
Student(s)	Tanvi Mishra	Grade 10	Town South Windsor

Stockholm Junior Water Prize

Award	Certificate, \$25 gift card by CSEF, possible advance to further competition		
School	Norwich Technical High School	Norwich	Aleatha Pelloni
Project Title	Proving Microplastics Transfer from Water to Living Organisms Through Vegetation		
Proj. No.	3012		
Student(s)	Solibella Davis	Grade 11	Town New London

Award	Certificate, \$25 gift card by CSEF, possible advance to further competition		
School	Sound School	New Haven	Chuck Mulligan
Project Title	Evaluation of Potential Filtration Enhancements Applied to Municipal Water: Assessing Potential Ways to Reduce Enterococcus Bacteria Levels Discharging From Wastewater Facilities		
Proj. No.	3042		
Student(s)	Britney Xochipiltecatl Cuahtepitz	Grade 12	Town New Haven

Award	Certificate, \$25 gift card by CSEF, possible advance to further competition		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
Project Title	Bioremediation of PFAS: Integrating Oyster Shell Waste from Connecticut's Oyster Trail		
Proj. No.	3130	and Functional Bacteria for Safe Water Purification	
Student(s)	Hyeonho Kim	Grade 9	Town Windsor

Award	Certificate, \$25 gift card by CSEF, possible advance to further competition		
School	Amity Regional High School	Woodbridge	Lindsay McCarthy
Project Title	Developing a Solar-Powered Water Purification Device Using Hybrid Nanomaterials for Atmospheric Water Harvesting and Filtration		
Proj. No.	6076		
Student(s)	Nikhil Petrov	Grade 12	Town Woodbridge

Susan and Stanley Lessoff Memorial

Award	Susan and Stanley Lessoff Memorial Award - \$250 Cash and Plaque HS		
School	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
Project Title	The Novel Application of Arbuscular Mycorrhizae to Improve the Vitality of Glycine max in Martian Regolith		
Proj. No.	6027		
Student(s)	Owen Dueck	Grade 12	Town Trumbull

Award	Susan and Stanley Lessoff Memorial Award - \$250 Cash and Plaque MS		
School	Fields Memorial School	Bozrah	Joshua Fish
Project Title	A Study of the Impact of Slope, Materials, and Lubrication on Friction.		
Proj. No.	4016		
Student(s)	Elise Kobelski	Grade 8	Town Bozrah
	Hannah East	Grade 8	Town Bozrah
	Serena BunkerCai	Grade 8	Town Bozrah

Talcott Mountain Science Center & Academy

Award	TMSC Founder's Award - Middle School Life Science - Scholarship to one Summer or Saturday Program at TMSC - Value \$650		
School	Foote School	New Haven	Elliot Dickson
Project Title	Studying Muscle Memory in Planaria to Understand Neurodegenerative Diseases		
Proj. No.	2016		
Student(s)	Jessica Park	Grade 7	Town New Haven

Award	TMSC Founder's Award - Middle School Physical Science - Scholarship to one Summer or Saturday Program at TMSC - Value \$650		
School	Hamden Hall Country Day School	Hamden	Paulomi Aldo
Project Title	How does dimple patterns affect a golf balls flight?		
Proj. No.	5007		
Student(s)	David Esposito	Grade 7	Town North Haven

The Community Foundation for Greater Hew Haven's Milton Fisher Awards for

Award	For Excellence in Creativity and Innovation by a High School student, \$100 cash		
School	Engineering and Science University Magnet	New Haven	Paula Matei-Grysiak
Project Title	Implementation and Validation of a Novel Machine-Learning-Based Mobile Gyrocardiography System for Arrhythmia Detection		
Proj. No.	3003		
Student(s)	Ethan Joseph	Grade 10	Town West Haven

Award	For Excellence in Creativity and Innovation by a Middle School student, \$100 cash		
School	Westside Middle School Academy	Danbury	Nancy Barlow
Project Title	How does the Type and Brand of a Battery Affect how Much Voltage it Loses Over Time?		
Proj. No.	4012		
Student(s)	Logan Schneider	Grade 7	Town Danbury
	Daniel Sposato	Grade 7	Town Danbury

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

Award	Award for top environmental protection project from an urban public school		
School	Manchester High School	Manchester	Wendy Turek
Project Title	The Effect of Nitrogen Enrichment on the Arousal of Astrangia Poculata from Quiescence		
Proj. No.	3073		
Student(s)	Bailey Downey	Grade 12	Town Manchester

Thermo Fisher Scientific Junior Innovators Challenge

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Fields Memorial School	Bozrah	Joshua fish
Project Title	A study of the efficiency of ice melt substances and their environmental impact on roadside vegetation		
Proj. No.	1025		
Student(s)	Analise Williams	Grade 7	Town bozrah
	Ella Sikorski	Grade 7	Town Bozrah

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Middlebrook School	Wilton	Janica Bagosy
Project Title	Ocean Acidification and Its on Plant Growth		
Proj. No.	1026		
Student(s)	Alex Shiue	Grade 8	Town Wilton
	Kabir Rokkam	Grade 8	Town Wilton

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Saint Gregory the Great School	Danbury	Christine Fahey
Project Title	Would You Like Plastic With That?		
Proj. No.	2001		
Student(s)	Rahil Shah	Grade 7	Town Danbury

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Central Middle School	Greenwich	Andrew Bramante
Project Title	Development of a Thyme Oil-in-Hydromed Wearable Anklet for the Natural, Effective Repellant of Ticks		
Proj. No.	2505		
Student(s)	Clara Cahill	Grade 8	Town Greenwich

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Eastern Middle School	Greenwich	Andrew Bramante
Project Title	Fabrication of a Biodegradable, Nutrient-Rich, Orange Peel-Loaded Hydrogel for Thermally-Programmed Release of Water to Maintain Soil Moisture		
Proj. No.	2506		
Student(s)	Rajsi Choudhary	Grade 8	Town Greenwich

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Sacred Heart Greenwich	Greenwich	Mary Musolino
Project Title	Testing the Strength and Biodegradability of Watermelon Rind and Banana Peel-Based Bioplastics		
Proj. No.	4001		
Student(s)	Stephanie Galvez	Grade 8	Town Greenwich
	Bonnie Ukperaj	Grade 8	Town Stamford
	Mia Cartagena	Grade 8	Town Stamford

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Westside Middle School Academy	Danbury	Nancy Barlow
Project Title	The Effect of Different Salts in a Water Softener on Calcium in Drinking Water		
Proj. No.	4028		
Student(s)	Siddanth Ramakrishnan	Grade 8	Town Danbury
	Patrick Madden	Grade 8	Town Danbury
	Thomas Smith	Grade 8	Town Danbury

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Middlebrook School	Wilton	Leah Pariso
Project Title	Cell Shield: Investigating Materials to Block Non-ionizing Radiofrequency Radiation from Common Cell Phone Use		
Proj. No.	5013		
Student(s)	Bennett Norful	Grade 7	Town WILTON

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Middlebrook School	Wilton	Debbie Mallozzi
Project Title	Bus Notification System with Raspberry Pi		
Proj. No.	5507		
Student(s)	Vidit Prabhu	Grade 8	Town Wilton

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Eastern Middle School	Greenwich	Andrew Bramante
Project Title	Field and Lawn Run-off Removal of Nitrates and Phosphates via an Iron & Calcium Fortified Biochar		
Proj. No.	5511		
Student(s)	Ellie Mao	Grade 8	Town Riverside

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Greens Farms Academy	Westport	Mathieu Freeman
Project Title	Investigating Modified Dental X-Rays in Novel Digital Computed Radiography Imaging for Emergency Medical Services		
Proj. No.	5523		
Student(s)	Dylan Karpf	Grade 8	Town Westport

Award	Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners		
School	Westside Middle School Academy	Danbury	Nancy Barlow
Project Title	The Benefit of A Coded Device To Water Plants Automatically		
Proj. No.	5528		
Student(s)	Mackenzie Cooper	Grade 8	Town Danbury

U.S. Air Force

Award	Certificate & USAF Merchandise Package		
School	Westside Middle School Academy	Danbury	Nancy Barlow
Project Title	Increasing The Flight Distance of The Football by Changing its Characteristics		
Proj. No.	4002		
Student(s)	Brennen Denema	Grade 8	Town Danbury
	Sean Kennedy	Grade 8	Town Danbury
	Mathias Sanchez	Grade 8	Town Danbury

Award	Certificate & USAF Merchandise Package		
School	Taft School	Watertown	Amanda Benedict
Project Title	Bionic Shoulder Joint Based on Cable Powered Technology		
Proj. No.	6067		
Student(s)	Yan Chak So	Grade 10	Town Watertown

Award	Certificate & USAF Merchandise Package		
School	Amity Regional High School	Woodbridge	Lindsay McCarthy
Project Title	Developing a Solar-Powered Water Purification Device Using Hybrid Nanomaterials for Atmospheric Water Harvesting and Filtration		
Proj. No.	6076		
Student(s)	Nikhil Petrov	Grade 12	Town Woodbridge

Award	Certificate & USAF Merchandise Package		
School	Fields Memorial School	Bozrah	Joshua Fish
Project Title	What impact will different sphere and track variables have on the performance of a model roller coaster?		
Proj. No.	4011		
Student(s)	Benjamin Savoie	Grade 8	Town Gilman
	Isaiah Negron-Rygielski	Grade 8	Town Bozrah

U.S. Metric Association

Award	Certificate & \$25 gift card given by CSEF		
School	South Windsor High School	South Windsor	Suma Basavarappa
Project Title	SiExo: Modular Bayesian-Optimized Dual-Ligand TfR/RVG Exosomes for siRNA Delivery and BBB Transcytosis in CNS Neurotherapeutics		
Proj. No.	3144		
Student(s)	Samarth Basanth	Grade 11	Town South Windsor

Award	Certificate & \$25 gift card given by CSEF		
School	CT STEM	Redding	Lindsay McCarthy
Project Title	Evaluating the Antifungal Potential of Citronella and Cassia Essential Oils at Different Concentrations Against the Mycelia Growth of Bipolaris sorokiniana		
Proj. No.	3057		
Student(s)	Elena Huber	Grade 10	Town Woodbridge

Award	Certificate & \$25 gift card given by CSEF		
School	Southington High School	Southington	Ismail Agirman
Project Title	Mitigation of Cyclohexane Concentrations in Drinking Water using photosynthetic molecule Chlorophyll		
Proj. No.	3060		
Student(s)	Esra Agirman	Grade 9	Town Southington

University of Connecticut - Early College Experience

Award	UConn Early College Experience Program: Frontiers in Science - \$100 Cash		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Increasing Chlorophyll Production in Prochlorococcus via synchronous culturing with Trichodesmium: An effort to increase Photosynthetic Rate.		
Proj. No.	6073		
Student(s)	Shep McGovern	Grade 10	Town Greenwich

Award	UCONN Early College Experience Program: Life Sciences - \$100 Cash		
School	Amity Regional High School	Woodbridge	Sarah Reeves
Project Title	Investigating the Relationship Between the Luminosity and the Extent of the [O III] Narrow-Line Region in Nearby Type 2 Seyfert Galaxies.		
Proj. No.	6037		
Student(s)	Tony Zhang	Grade 11	Town Woodbridge

Award	UCONN Early College Experience Program: Physical Sciences - \$100 Cash		
School	Miss Porter's School	Farmington	Christine Scanlon
Project Title	Development of a Gravitational Lensing Model: The Effect of Lens Position and Orientation on Image Distortion		
Proj. No.	6103		
Student(s)	Claire Lee	Grade 10	Town FARMINGTON

University of Connecticut Academic Excellence Scholarship

Award	Academic Excellence Scholarship - (amount undefined) to a junior)		
School	Amity Regional High School	Woodbridge	Lindsay McCarthy
Project Title	Developing a Wireless, Discreet, Precise, and Painless Piezoelectric Micropump System for Diabetes Patients		
Proj. No.	6017		
Student(s)	Joy Deng	Grade 11	Town Orange

University of Hartford Scholarships

Award	University of Hartford Scholarship - For Excellence in Engineering or Technology, Grade 11 only - \$30,000 (\$7,500/year)		
School	Amity Regional High School	Woodbridge	Lindsay McCarthy
Project Title	Developing a Wireless, Discreet, Precise, and Painless Piezoelectric Micropump System for Diabetes Patients		
Proj. No.	6017		
Student(s)	Joy Deng	Grade 11	Town Orange

Award	University of Hartford Scholarship - For Excellence in Engineering or Technology, Grade 11 only - \$30,000 (\$7500/year)		
School	Wilbur Cross High School	New Haven	Michael Sang
Project Title	Exploring the Convergence of Juggler Sequences		
Proj. No.	6070		
Student(s)	Julian Theodore	Grade 11	Town New Haven

Award	University of Hartford Scholarship - For Excellence in Science or mathematics, Grade 11 only - \$30,000 (\$7,500/year)		
School	Norwich Technical High School	Norwich	Aleatha Pelloni
Project Title	Proving Microplastics Transfer from Water to Living Organisms Through Vegetation		
Proj. No.	3012		
Student(s)	Solibella Davis	Grade 11	Town New London
Award	University of Hartford Scholarship - For Excellence in Science or mathematics, Grade 11 only - \$30,000 (\$7,500/year)		
School	Amity Regional High School	Woodbridge	Sarah Reeves
Project Title	Determining how Comorbid AUD/SUD impacts Ketamine Treatment Outcomes in Veterans with PTSD/MDD		
Proj. No.	3037		
Student(s)	Mila Mejnartowicz	Grade 11	Town Woodbridge

University of New Haven Scholarship Awards

Award	University of New Haven 4 year scholarship - \$104,000 (\$26,000 per year) for exemplary 11th grade project		
School	South Windsor High School	South Windsor	Sivagami Chockalingam
Project Title	Targeting Telomerase Activity in Malignant Cancer Cells: RNA Interference and Enzymatic Inhibition to Induce Growth Arrest, Senescence, and Block Metastatic Dissemination		
Proj. No.	3067		
Student(s)	Srinidhi Karthik	Grade 11	Town South Windsor
Award	University of New Haven 4 year scholarship - \$104,000 (\$26,000 per year) for exemplary 11th grade project		
School	Norwich Technical High School	Norwich	Aleatha Pelloni
Project Title	Impact of Sunscreen Contaminants on Plutes Growth and Development		
Proj. No.	3509		
Student(s)	Addison Hackett	Grade 11	Town Willimantic
	Kaitlyn Tortorich	Grade 11	Town Windham
Award	University of New Haven 4 year scholarship - \$104,000 (\$26,000 per year) for exemplary 11th grade project		
School	Norwich Technical High School	Norwich	Aleatha Pelloni
Project Title	Impact of Sunscreen Contaminants on Plutes Growth and Development		
Proj. No.	3509		
Student(s)	Addison Hackett	Grade 11	Town Willimantic
	Kaitlyn Tortorich	Grade 11	Town Windham

Award	University of New Haven 4 year scholarship - \$104,000 (\$26,000 per year) for exemplary 11th grade project		
School	Bethel High School	Bethel	Turek Ray
Project Title	Advancing Personalized Seizure Control: A Cutting-Edge Real-Time EEG Feedback System for Precision Adaptive Neurostimulation		
Proj. No.	6035		
Student(s)	Srirama Desiraju	Grade 11	Town Bethel

Urban School Challenge 1st Place Middle School Awards

Award	USC Highest Placing 7th grader- Project Oceanology's Ocean Camp - \$900		
School	Westside Middle School Academy	Danbury	Nancy Barlow
Project Title	How does the Type and Brand of a Battery Affect how Much Voltage it Loses Over Time?		
Proj. No.	4012		
Student(s)	Logan Schneider	Grade 7	Town Danbury
	Daniel Sposato	Grade 7	Town Danbury

Westinghouse Electric Company/New England Chapter of North American Young

Award	1st place, Excellence in Energy Research, \$100 cash award		
School	South Windsor High School	South Windsor	Danel Eitel
Project Title	Watt Box		
Proj. No.	6501		
Student(s)	Mason Smith	Grade 10	Town South Windsor
	Prasun Modi	Grade 10	Town South Windsor

Wisner Chairman's Award

Award	\$500 cash & plaque		
School	Saint Joseph School	Danbury	Kathleen Spina
Project Title	Crossed Up!		
Proj. No.	2520		
Student(s)	Brayden Crabbe	Grade 8	Town Danbury

Award	\$500 cash & plaque		
School	Avon High School	Avon	Andrea Galuska
Project Title	Harnessing the Power of the Wind: A Comparative Analysis on HAWT, Savonius and Darrieus Wind Turbines and Their Efficiency		
Proj. No.	6088		
Student(s)	Nate Lee	Grade 10	Town Avon

Yale Peabody Museum

Award	In-person Behind the Scenes Tour of the Museum plus guardian. Winner must be >12 years old.		
School	Worthington Hooker School	New Haven	Douglas Jones
Project Title	Does Plant Orientation Affect Growth		
Proj. No.	1020		
Student(s)	Sioun Yoo	Grade 8	Town New Haven
	Clarissa Castilio	Grade 8	Town New Haven

Award	In-person Behind the Scenes Tour of the Museum plus guardian. Winner must be >12 years old.		
School	Saint Gregory the Great School	Danbury	Christine Fahey
Project Title	Would You Like Plastic With That?		
Proj. No.	2001		
Student(s)	Rahil Shah	Grade 7	Town Danbury

Award	In-person Behind the Scenes Tour of the Museum plus guardian. Winner must be >12 years old.		
School	Sacred Heart Greenwich	Greenwich	Mary Musolino Musolino
Project Title	Using Clay Flocculation to Reduce Harmful Algae Blooms in a Body of Water		
Proj. No.	4020		
Student(s)	Vivienne Vanderwilt	Grade 8	Town Greenwich
	Nora Mulcahy	Grade 8	Town RYE
	Ariel Almonacy	Grade 8	Town Greenwich

Yale Science & Engineering Association, Inc.

Award	1 Certificate, Medallion and 1- \$25 gift card given by CSEF		
School	Amity Regional High School	Woodbridge	Sarah Reeves
Project Title	Investigating the Relationship Between the Luminosity and the Extent of the [O III] Narrow-Line Region in Nearby Type 2 Seyfert Galaxies.		
Proj. No.	6037		
Student(s)	Tony Zhang	Grade 11	Town Woodbridge

Zepke Awards

Award	\$120 - For the Best Use of Electronic Circuitry- Middle School		
School	Greenwich Catholic School	Greenwich	Timothy Koppe
Project Title	MedAssist (Smart medicine storage)		
Proj. No.	4015		
Student(s)	Artem Perekhodko	Grade 7	Town stamford
	Jose Miguel Bowles	Grade 7	Town Greenwich
	Ben Ballester	Grade 7	Town Stamford

Award	\$150 - For the Best Use of Electronic Circuitry- Senior High		
School	Greenwich Country Day School	Greenwich	Nathan Haag
Project Title	Optimizing Vertical Take-Off and Landing (VTOL) Aircraft Efficiency Through Propeller Design: Making Air Flight More Accessible, Affordable, and Sustainable		
Proj. No.	6099		
Student(s)	Cooper Taylor	Grade 11	Town Greenwich

Award	\$150 - For the Best Use of Electronic Circuitry- Senior High		
School	Kent School	Kent	ZIHAO DU
Project Title	Three-Support Lower-Limb Exoskeleton Device Integrating Multifunctionality and Feedback Mechanisms		
Proj. No.	6100		
Student(s)	OliviaLu Feng	Grade 11	Town Guangzhou, China