



Conn. Science & Engineering Fair

Quinnipiac University

March 11 - 15, 2014

These judging results are unaudited by the fair's Database Committee. The CSF reserves the right to correct the listings.

Special Awards

Air and Waste Management Association, Connecticut Chapter

Award	\$100 Junior, Environmental Research, air pollution related		
School	The Montessori Middle School	Norwalk	Cara Johnson
Project Title	Local Air Pollution Variations		
Proj. No.	5034		
Student(s)	Matias Martinez	Grade 7	Town Darien

Award	\$100 Junior, Environmental Research, waste recycling related		
School	Fields Memorial School	Bozrah	Mrs. Ev Brown
Project Title	A Study of the Production, Impact Testing, and Degradation of Seaweed Based Bioplastics		
Proj. No.	5508		
Student(s)	Katie Provost	Grade 8	Town Bozrah

Award	\$100 Senior, Environmental Research, air pollution related		
School	Convent of the Sacred Heart	Greenwich	Victoria Landry
Project Title	The Effect of Carbon Dioxide Levels on Oxygen Production in the Diatom Cyclotella meneghiniana		
Proj. No.	3055		
Student(s)	Katie Martinez	Grade 12	Town Port Chester

Award	\$100 Senior, Environmental Research, waste recycling related		
School	Sacred Heart Academy	Hamden	Dr. Sibani Sengupta
Project Title	Investgating the Phytoremediation of Lead: The Type of Plant Species Versus the Rate of Lead Extraction in Hydroponic Media		
Proj. No.	3137		
Student(s)	Elizabeth LoPreiato	Grade 9	Town New Britain

Alumni Botany Awards

Award	Alumni Equine Award - \$50 Cash		
School	J.F. Kennedy Middle School	Plantsville	Mrs. Pepin
Project Title	Decreasing Sugar in Horse Treats		
Proj. No.	2007		
Student(s)	Hannah Platt	Grade 7	Town Southington

Award	Alumni High School Botany Award- \$100 Cash		
School	Danbury High School	Danbury	Mr. John LaRosa
Project Title	Biological Control of the Invasive Eurasian Watermilfoil Using Aquatic Weevils		
Proj. No.	3098		
Student(s)	Janine Kerr	Grade 11	Town Danbury

Award	Alumni Middle School Botany Award- \$100 Cash		
School	Worthington Hooker Middle School	New Haven	Mr. Jones
Project Title	Plants on Other Planets: The Effects of Gravity and Atmosphere		
Proj. No.	1021		
Student(s)	Rachel Kawall	Grade 7	Town New Haven
	Sophie Edelstein	Grade 7	Town New Haven

American Institute of Aeronautics & Astronautics - Connecticut Section

Award	\$200 award, certificate		
School	St. Timothy Middle School	West Hartford	Mrs. Christina Simao Breen
Project Title	Supercool		
Proj. No.	5040		
Student(s)	Michael Baldini	Grade 7	Town West Hartford

Award	\$200 award, certificate		
School	Oxford High School	Oxford	Adrian Poffenberger
Project Title	Correlation of Hippocampal Neurogenesis and Exposure to Cosmic Ray Highly Ionizing Radiation (HZE) Particles		
Proj. No.	6023		
Student(s)	Michaela Seales	Grade 9	Town Oxford

American Meteorological Society

Award	Certificate & \$50 Amazon gift card given by CSEF		
School	Canton Middle School	Canton	Cheryl Adasms
Project Title	Thermohaline Circulation Shutdown		
Proj. No.	2545		
Student(s)	Marissa Schroeter	Grade 8	Town Canton

Award	Certificate & \$50 Amazon gift card given by CSEF		
School	Connecticut Experiential Learning Center	Branford	Melinda Alcosser
Project Title	Smog Filter Using An Electrostatic Field		
Proj. No.	4012		
Student(s)	Coleman Riegle	Grade 8	Town Madison
	Jakob Frick	Grade 7	Town Madison

Award	Certificate & \$50 Amazon gift card given by CSEF		
School	Southern Connecticut Hebrew Academy	Orange	Karen Howell
Project Title	Analysis of Prevention and delay of ignition and burn times of synthetic fingernails		
Proj. No.	4020		
Student(s)	Miriam Kantor	Grade 7	Town Westport
	Chana Katz	Grade 7	Town New Haven

Award	Certificate & \$50 Amazon gift card given by CSEF		
School	The Montessori Middle School	Norwalk	Cara Johnson
Project Title	Local Air Pollution Variations		
Proj. No.	5034		
Student(s)	Matias Martinez	Grade 7	Town Darien

American Psychological Association

Award	Certificate, \$50 gift card to Amazon given by CSEF		
School	St. Matthew School	Forestville	Mrs. MaryEllen Schigas
Project Title	How Do You See It? The Effect of Age on Depth Perception		
Proj. No.	2013		
Student(s)	Stefan Zwolinski	Grade 7	Town Bristol

Award	Certificate, \$50 gift card to Amazon given by CSEF		
School	Sayles School	Sprague	Mrs. Reyer
Project Title	Can action related video games trigger an adrenaline response as measured by changes in heart rate or blood pressure?		
Proj. No.	2521		
Student(s)	George Sechen III	Grade 8	Town Hanover

American Society for Metals - Hartford Chapter

Award	\$100 Check		
School	Park City Prep Charter School	Bridgeport	Mrs. Vicky Boudreau
Project Title	How the Strength Of Magnets Varies At Different Temperatures		
Proj. No.	5012		
Student(s)	Jacob Tay	Grade 7	Town Bridgeport

Award	\$100 Check		
School	Simsbury High School	Simsbury	Danny Martins
Project Title	The Effects of Pressure, Temperature, and Cooling Rate on Tensile Strength of Extruded High Density Polyethylene		
Proj. No.	6041		
Student(s)	Rachel Baumann	Grade 9	Town Simsbury

Award	\$100 Check		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	A Novel Application of Piezoelectricity and Impressed Current Cathodic Protection for Corrosion Prevention		
Proj. No.	6105		
Student(s)	Cole Addonizio	Grade 11	Town Greenwich

American Society for Quality - Thames Valley Section

Award	\$250 Cash		
School	St. Timothy Middle School	West Hartford	Christina Simao-Breen
Project Title	Bell Curve		
Proj. No.	5509		
Student(s)	Devon Lane	Grade 8	Town Widsor Locks

American Society of Safety Engineers, CT Valley Chapter

Award	\$100 grade 7-8 project		
School	St. Gabriel School	Milford	John Campbell
Project Title	The Microwave Mistake		
Proj. No.	2514		
Student(s)	Michael LoCicero	Grade 8	Town Milford

Award	\$100 grade 7-8 project		
School	Hamden Middle School	Hamden	Mrs. Delucia
Project Title	Your Head, Your Helmet		
Proj. No.	2527		
Student(s)	Jack Gethings	Grade 8	Town Hamden

Award	\$100 grade 7-8 project		
School	Southern Connecticut Hebrew Academy	Orange	Karen Howell
Project Title	Analysis of Prevention and delay of ignition and burn times of synthetic fingernails		
Proj. No.	4020		
Student(s)	Miriam Kantor	Grade 7	Town Westport
	Chana Katz	Grade 7	Town New Haven

Award	\$150 grade 9-12 project		
School	Danbury High School	Danbury	Mr. John LaRosa
Project Title	Biological Control of the Invasive Eurasian Watermilfoil Using Aquatic Weevils		
Proj. No.	3098		
Student(s)	Janine Kerr	Grade 11	Town Danbury

Award \$150 grade 9-12 project

School Sacred Heart Academy Hamden Dr. Sibani Sengupta

Project Title Investigating the Phytoremediation of Lead: The Type of Plant Species Versus the Rate of Lead Extraction in Hydroponic Media

Proj. No. 3137

Student(s) Elizabeth LoPreiato Grade 9 Town New Britain

Award \$150 grade 9-12 project

School Fishers Island School Fishers Island NY Carol Giles

Project Title Keep your hands on the handle

Proj. No. 6047

Student(s) Hannah Peabody Grade 11 Town Fishers Island

Arthur Mensing Award

Award \$1000 cash award for excellence in the physical sciences

School Greenwich High School Greenwich Andrew Bramante

Project Title A Filamentous Organic Solar Cell Based Piezoelectric Architecture for Powering Commercial and Biological Electronic Devices

Proj. No. 6101

Student(s) Maxmillian Minichetti Grade 11 Town Greenwich

ASM Materials Education Foundation

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

School St. Matthew School Forestville Mrs. MaryEllen Schigas

Project Title Keep the Heat

Proj. No. 5536

Student(s) Abby Aldieri Grade 8 Town Bristol

Award Certificate & \$50 ift card to Amazon given by CSEF & medallion

School Fields Memorial School Bozrah Evelyn Brown

Project Title The Search for the Most Effective Ice Melt

Proj. No. 5045

Student(s) Rebecca Ramthun Grade 7 Town Bozrah

Association for Women Geoscientists

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	St. Rose of Lima School	Newtown	Mrs. Jen Reilly
Project Title	The Investigation Of The Presence Of Plastic Microscopic Fibers In Effluent Sewage Water And The Long Island Sound		
Proj. No.	5011		
Student(s)	Catherine Herrick	Grade 7	Town Sandy Hook

Award	Certificate & \$50 girt card to Amazon given by CSEF		
School	Rippowam Middle School	Stamford	Mark Goldsmith
Project Title	Hypoallergenic Lawn Care Device		
Proj. No.	5563		
Student(s)	Kiran Jagtiani	Grade 8	Town Stamford

Astronomical Society of Greater Hartford

Award	Senior Project-\$100, subscription to Sky and Telescope magazine and ASGH meeting invitation -2nd place		
School	Staples High School	Westport	Nicholas Morgan
Project Title	A Probe of the Phase Space of Celestial N-body Systems and Its Implications for Extraterrestrial Life		
Proj. No.	6042		
Student(s)	Zach Effman	Grade 11	Town Westport

Award	Senior Project-\$150, subscription to Sky and Telescope magazine and ASGH meeting invitation -1st place		
School	Ridgefield High School	Ridgefield	Michael Yagid
Project Title	Partitioning gamma-ray sources in Fermi Large Area Telescope observations for spatial and spectral analysis		
Proj. No.	6066		
Student(s)	Isabelle Goldstein	Grade 12	Town Ridgefield

Banning Family Life Science Award

Award	For excellence in invasive species research, \$100 cash		
School	Danbury High School	Danbury	Mr. John LaRosa
Project Title	Biological Control of the Invasive Eurasian Watermilfoil Using Aquatic Weevils		
Proj. No.	3098		
Student(s)	Janine Kerr	Grade 11	Town Danbury

Barker Mohandas Award for Transportation Research

Award	\$200 Cash & Plaque for Excellence in Transportation Related Research		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Comparative Efficiencies of Magnetically Levitating Train Systems in and out of a Vacuum Chamber		
Proj. No.	6508		
Student(s)	Angus Fraser	Grade 10	Town Darien
	David Ruf	Grade 11	Town Greenwich

Biophysical Society

Award	Biophysics Award- \$100		
School	Hamden High School	Hamden	Sonia Beloin
Project Title	Primary Cilia Vesicle Secretion and Resorption Facilitate Cell Communication		
Proj. No.	3082		
Student(s)	Ank Agarwal	Grade 11	Town Hamden

Bob Harris Fix It Award

Award	\$100 and Certificate for ingenuity in using material and tools		
School	Rippowam Middle School	Stamford	Mark Goldsmith
Project Title	Hypoallergenic Lawn Care Device		
Proj. No.	5563		
Student(s)	Kiran Jagtiani	Grade 8	Town Stamford

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

Award	\$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center		
School	Greens Farms Academy	Greens Farms	Mathieu Freeman
Project Title	Differentially Expressed Genes in the Adipose Layer of Skin in Psoriatic Patients		
Proj. No.	3044		
Student(s)	Ethan Petno	Grade 11	Town New Canaan

Award	\$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center		
School	Staples High School	Westport	Michele Morse
Project Title	FRET based intercellular ATP imaging for testing of BCL-xL as a mitochondrial efficiency enhancer during Long Term Potentiation.		
Proj. No.	3114		
Student(s)	Connor Weiss	Grade 12	Town Westport

Coherent, Inc. Richard Hart Award for Excellence in Photonics

Award	\$300 cash, plaque, invitation to lunch and tour Coherent factory		
School	Fairfield College Preparatory School	Fairfield	Anthony Canuel
Project Title	An Inquiry Into The Use of Graphene as a Superconductor		
Proj. No.	6079		
Student(s)	Nicholas Siveyer	Grade 11	Town Monroe

Connecticut Academy of Audiology

Award	\$150 Cash Award High School- For Excellence in Audiology and Acoustics		
School	Southern CT Invitational Sci & Eng Fair	Redding	Deborah Day
Project Title	Does Musical Training Affect Multi-Channel Sensory Integration?		
Proj. No.	3514		
Student(s)	Yiran Zhang	Grade 10	Town Orange
	Eli Silvert	Grade 10	Town Woodbridge

Award	\$150 Cash Award Middle School- For Excellence in Audiology and Acoustics		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Mathematical Patterns Found in Selected Classical Compositions		
Proj. No.	5031		
Student(s)	Genevieve Buckridge	Grade 7	Town Bozrah

Connecticut Architecture Foundation

Award	\$200 Gift Certificate to Barnes and Nobles		
School	Sacred Heart Academy	Hamden	Dr. Sibani Sengupta
Project Title	Investgating the Phytoremediation of Lead: The Type of Plant Species Versus the Rate of Lead Extraction in Hydroponic Media		
Proj. No.	3137		
Student(s)	Elizabeth LoPreiato	Grade 9	Town New Britain

Award	\$200 Gift Certificate to Barnes and Nobles		
School	Suffield High School	Suffield	Mr. Charkiewicz
Project Title	The application of magnetic levitation technology on elevator construction		
Proj. No.	6083		
Student(s)	Lukas Baker	Grade 10	Town Suffield

Connecticut Association for the Gifted

Award	Leonardo Davinci 7-8 Grade \$50 Gift Certificate		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Mathematical Patterns Found in Selected Classical Compositions		
Proj. No.	5031		
Student(s)	Genevieve Buckridge	Grade 7	Town Bozrah

Connecticut Association of Physics Teachers

Award	\$100 Senior project		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Creation of Tidal Power from Infiltrating Coastal Ground Water via a Novel Tidal Barrage System		
Proj. No.	6074		
Student(s)	Ethan Novek	Grade 9	Town Greenwich

Connecticut College-Physics, Astronomy, & Geophysics Dept.

Award	\$150 and certificate, Junior Physics & teeshirt		
School	Multicultural Magnet School	Bridgeport	Mr. Walter Mayorga
Project Title	Electrostatic Generator		
Proj. No.	5550		
Student(s)	Sarah Hernandez	Grade 8	Town Bridgeport

Award	\$150 and certificate, Senior Physics & teeshirt		
School	Shelton High School	Shelton	Mrs. Clark
Project Title	Development of a Simulation Model for the Solution of Einstein's General Relativity and Quantum Mechanics Based on Causal Dynamical Triangulation		
Proj. No.	6043		
Student(s)	Rigel Mahmood	Grade 12	Town Shelton

Connecticut Invention Convention

Award	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
School	Talcott Mountain Academy	Avon	Mr. Meredith
Project Title	The Efficiency and Durability of Piezoelectric Generators		
Proj. No.	5507		
Student(s)	Humza Zaidi	Grade 8	Town Avon

Award	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
School	Canton Middle School	Canton	Mrs. Adams
Project Title	Graphene Enhanced Piezoelectric Generator for Environmental Energy Conservation		
Proj. No.	5561		
Student(s)	Gabriel Mesa	Grade 8	Town Canton

Award	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
School	Rippowam Middle School	Stamford	Mark Goldsmith
Project Title	Hypoallergenic Lawn Care Device		
Proj. No.	5563		
Student(s)	Kiran Jagtiani	Grade 8	Town Stamford

Award	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Design of a Novel Photo-Sensitized Carbon-based Supercapacitor for Capture and Storage of Solar Energy		
Proj. No.	6040		
Student(s)	Peter Russell	Grade 11	Town Riverside

Award	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Creation of Tidal Power from Infiltrating Coastal Ground Water via a Novel Tidal Barrage System		
Proj. No.	6074		
Student(s)	Ethan Novek	Grade 9	Town Greenwich

Award	\$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	A Filamentous Organic Solar Cell Based Piezoelectric Architecture for Powering Commercial and Biological Electronic Devices		
Proj. No.	6101		
Student(s)	Maxmillian Minichetti	Grade 11	Town Greenwich

Connecticut Nurserymen's Foundation, Inc.

Award	\$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Bioengineering of Popular Peppers to Create a Disease-Resistant Hybrid with Prolonged Shelf Life, Increased Biomass, and Capsaicin Content		
Proj. No.	3034		
Student(s)	Andrew Lim	Grade 10	Town Old Greenwich

Award	\$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting		
School	Convent of the Sacred Heart	Greenwich	Mary Musolino
Project Title	A Study of the Removal of Pollutants by Rain Gardens, a Low-Impact Drainage System		
Proj. No.	6058		
Student(s)	Sarah Banker	Grade 11	Town Greenwich

Connecticut Science Supervisors Association

Award	\$125 for a high school project		
School	East Catholic High School	Manchester	Paul Oei
Project Title	Investigating the Efficacy of Bioluminescent Mushroom Panellus Stipticus as a Biosensor to Detect the Toxicity of Water Contaminants		
Proj. No.	3087		
Student(s)	Bridget Oei	Grade 12	Town Hebron

Award	\$125 for a middle school project		
School	Southern Connecticut Hebrew Academy	Orange	Mrs. Howell
Project Title	Analysis of different wood's resistance and how to prevent or delay the decay with natural sources.		
Proj. No.	1006		
Student(s)	Avraham Yaffe	Grade 8	Town Guilford
	Yaacov Hecht	Grade 8	Town Norwalk

CSF Board of Directors Award

Award	certificate and \$50 Amazon gift card given by CSF		
School	Madina Academy	Windsor	Iman Al-Naggar
Project Title	Novel Methods for Water Desalination by Harnessing Solar Energy using a Solar Oven With Flat Mirrors, Fresnel Lens and a Parabolic Mirror		
Proj. No.	4030		
Student(s)	Nader Kasem	Grade 8	Town Glastonbury
	Khaleel Rahman	Grade 8	Town Windsor
	Ayman ElSherbini	Grade 8	Town Windsor

Award	certificate and \$50 Amazon gift card given by CSF		
School	Amity Regional High School	Woodbridge	Ms. Deborah Day
Project Title	Studies of Phase Separation using Ferrofluids as a Model		
Proj. No.	6086		
Student(s)	Joseph Neumann	Grade 11	Town Woodbridge

David and Torrey Fenton Awards

Award	For creative work in the physical sciences- high school; \$200 cash		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Design of a Novel Photo-Sensitized Carbon-based Supercapacitor for Capture and Storage of Solar Energy		
Proj. No.	6040		
Student(s)	Peter Russell	Grade 11	Town Riverside

Award	For creative work in the physical sciences- middle school; \$200 cash		
School	Multicultural Magnet School	Bridgeport	Mr. Walter Mayorga
Project Title	Electrostatic Generator		
Proj. No.	5550		
Student(s)	Sarah Hernandez	Grade 8	Town Bridgeport

Demos R Us

Award	\$150 Cash Award- Clear Execution of Research		
School	St. Thomas School	Southington	Pauline Pelczar
Project Title	Burn Those Calories		
Proj. No.	5516		
Student(s)	Anthony Shea	Grade 8	Town Southington

Dreams Unlimited

Award	\$100 Cash Award + Certificate		
School	New Milford High School	New Milford	Ms. Virginia Landgrebe
Project Title	The Oort Cloud: A Cometary Reservoir		
Proj. No.	6117		
Student(s)	Carly KleinStern	Grade 11	Town New Milford

Education Connection- Center for 21st Century Skills Awards

Award	\$100 For innovative use of technology to advance science or engineering		
School	Suffield High School	Suffield	Mitch Charkiewicz
Project Title	New Invention to Efficiently Harness Wave Power		
Proj. No.	6096		
Student(s)	Matthew Rogers	Grade 10	Town Suffield

Award	\$100 For innovative use of technology to advance science or engineering		
School	Norwich Free Academy	Norwich	Stephani Jones
Project Title	A Novel Approach to The Design of an Electroencephalogram-Based Brain-Computer Interface For Use In Thought to Text Translation		
Proj. No.	6121		
Student(s)	Connor Provost	Grade 10	Town Bozrah

Environmental/ Energy Award- Urban Public School Award

Award	\$100 Award for top environmental or alternative energy project from a New Haven public school		
School	Worthington Hooker Middle School	New Haven	Mr. Jones
Project Title	Removal and Recycling of Phosphate from Water using Various Methods: A Sustainability Project		
Proj. No.	5515		
Student(s)	Maya Geradi	Grade 8	Town New Haven

Fred Bailey Memorial Award

Award	\$250 for innovative research- Hartford Urban High School Project		
School	Hartford Magnet Trinity College Academy	Hartford	Penny Parmalee
Project Title	Studying the Effect of Light Color on the Rate of Photosynthesis in Aquatic Plants		
Proj. No.	3049		
Student(s)	Sameeha Shaikh	Grade 11	Town East Hartford

Award	\$250 for innovative research- Hartford Urban Middle School Project		
School	Environmental Sciences Magnet at Mary	Hartford	Rebecca Hays
Project Title	Climate Change vs. Mussels: Unfiltered!		
Proj. No.	2541		
Student(s)	Taylor Marchand	Grade 8	Town Winchester

GENIUS Olympiad

Award	GENIUS Olympiad Competition for HS student (s) and advisor		
School	Greenwich High School	Greenwich	Andy Bramante
Project Title	The Remediation of Heavy Metals from Wastewater Using an Aspergillus niger Activated Flow Filter		
Proj. No.	3104		
Student(s)	Kenneth Dorian	Grade 11	Town Riverside

Award	GENIUS Olympiad Competition for HS student (s) and advisor		
School	Hill Regional Career High School	New Haven	Mr. Dimoulas
Project Title	Saving the World from Brain Eating Amoebas		
Proj. No.	3515		
Student(s)	Sylwia Zambrzycka	Grade 11	Town Shelton
	Meeshali Patel	Grade 11	Town New Haven

Award	GGENIUS Olympiad Competition for HS student (s) and advisor		
School	Engineering & Science University Magnet	New Haven	Roger Rushworth
Project Title	The Affect of Pseudomonas putida on the Biodegradation of Plastics		
Proj. No.	3084		
Student(s)	Lauren Low	Grade 9	Town Hamden

Award	GGENIUS Olympiad Competition for HS student (s) and advisor		
School	The Gunnery	Washington	Steven Bailey
Project Title	Evaluating the Performance of a Model Solar Concentrating System Using Thermoelectric Generating Technology		
Proj. No.	6034		
Student(s)	Grace Herrick	Grade 9	Town Sandy Hook

Henderson Award

Award	Certificate and \$50 Amazon Gift Card given by CSF		
School	Connecticut Experiential Learning Center	Branford	Melinda Alcosser
Project Title	Make it Stronger		
Proj. No.	5558		
Student(s)	Bryce Leckey	Grade 8	Town Madison

IEEE, Connecticut Section

Award	\$100 Honorable Mention		
School	Pope John Paul II School	New Britain	Jennifer Nypert
Project Title	Drawing Robot		
Proj. No.	5556		
Student(s)	Kamila Krawczuk	Grade 8	Town New Britain

Award	\$100 Honorable Mention		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Mathematical Analysis of the Rubik's Cube Using the Thistlethwaite Algorithm and Sets of Moves		
Proj. No.	5565		
Student(s)	Evan Windsor	Grade 8	Town Bozrah

Award	\$100 Honorable Mention		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	A Novel Application of Piezoelectricity and Impressed Current Cathodic Protection for Corrosion Prevention		
Proj. No.	6105		
Student(s)	Cole Addonizio	Grade 11	Town Greenwich

Award	\$200 Honorable Mention		
School	Putnam Science Academy	Putnam	Serdar Haytiyev
Project Title	Building an Automated Prototype for the USAR Operations and Industrial Applications Using Lego Mindstorm, Tetrix and RobotC		
Proj. No.	6506		
Student(s)	Almas Myrzatay	Grade 12	Town Putnam
Student(s)	Selman Avci	Grade 12	Town Middletown

Award	\$250 Honors Award -Senior		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	A Filamentous Organic Solar Cell Based Piezoelectric Architecture for Powering Commercial and Biological Electronic Devices		
Proj. No.	6101		
Student(s)	Maxmillian Minichetti	Grade 11	Town Greenwich

Award	\$250 Honors Award -Junior		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Mathematical Patterns Found in Selected Classical Compositions		
Proj. No.	5031		
Student(s)	Genevieve Buckridge	Grade 7	Town Bozrah

Institute of Food Technologists, Nutmeg Section

Award	\$50 award + invitation to dinner		
School	St. Mark School	Stratford	Mr. McMahon
Project Title	Growing Our Future: Using LED Hydroponics to Cultivate Fresh Produce: A Solution for Urban Food Deserts		
Proj. No.	2044		
Student(s)	Kristen Robertson	Grade 7	Town Stratford

Award	\$50 award + invitation to dinner		
School	Shelton High School	Shelton	Mary Clark
Project Title	The Effect of the Bitter Gourd on Blood Sugar Levels		
Proj. No.	3042		
Student(s)	Veina Pillai	Grade 11	Town Shelton

Award	\$50 award + invitation to dinner		
School	Simsbury High School	Simsbury	Linda Pirek
Project Title	The Effect of Protein on Memory		
Proj. No.	3057		
Student(s)	Alyson Saperstein	Grade 12	Town Simsbury

Award	\$50 award + invitation to dinner		
School	Sacred Heart Academy	Hamden	Mrs. Pamela Brownell
Project Title	The Effect of pH on Nutrient Absorption		
Proj. No.	3077		
Student(s)	Jennifer Piciw	Grade 10	Town Shelton

Award	\$50 award + invitation to dinner		
School	Convent of the Sacred Heart	Greenwich	Mary Musolino
Project Title	Nice to Meat You: Using DNA Barcoding to Detect Mislabeling in the Meat Industry		
Proj. No.	3501		
Student(s)	Sabrina Carrozzi	Grade 11	Town White Plains
	Alexa Granser	Grade 11	Town Stamford
	Grace McKenney	Grade 11	Town Bedford

Intel Excellence in Computer Science Award

Award	\$200 & certificate		
School	Fairfield College Preparatory School	Fairfield	Anthony Canuel
Project Title	Exploration into the Development of a Mathematical Solar Cell Model in order to Simulate Solar Energy Potential in the United States		
Proj. No.	6054		
Student(s)	Dylan Hawkes	Grade 11	Town Trumbull

Award	\$200 & certificate		
School	Norwich Free Academy	Norwich	Stephani Jones
Project Title	A Novel Approach to The Design of an Electroencephalogram-Based Brain-Computer Interface For Use In Thought to Text Translation		
Proj. No.	6121		
Student(s)	Connor Provost	Grade 10	Town Bozrah

ISA - International Society for Automation

Award	1st - \$125 award		
School	Connecticut Experiential Learning Center	Branford	Melinda Alcosser
Project Title	Magnetic Levitation Automotive Wind Rail		
Proj. No.	5566		
Student(s)	Luke Atkins	Grade 8	Town Guilford

Award	2nd - \$75 award		
School	St. Timothy Middle School	West Hartford	Mrs. Breen
Project Title	Wind Power		
Proj. No.	5562		
Student(s)	Benjamin Lavoie	Grade 8	Town West Hartford

Award	3rd - \$50 award		
School	Oxford High School	Oxford	Mr. Poffenberger
Project Title	Atmospheric Water Generator From Alternative Energy Sources.		
Proj. No.	6062		
Student(s)	Zachary Frew	Grade 11	Town Oxford

J.A. Augustine Award

Award	\$100 for excellence in biology		
School	St. Rose of Lima School	Newtown	Mrs. Jennifer Reilly
Project Title	The Effect of Magnetism on Plant Growth		
Proj. No.	2002		
Student(s)	Kristen Cirone	Grade 7	Town Newtown

John B. Trevor Award in Electrical Engineering

Award	\$500 cash award for an innovative electronic or electrical project		
School	Amity Regional High School	Woodbridge	Deborah Day
Project Title	Designing a circuit board to wirelessly power a Left Ventricular Assist Device (LVAD)		
Proj. No.	6124		
Student(s)	Daniel Giebisch	Grade 11	Town Woodbridge

John S. Kendall Memorial Award

Award	\$250 John S. Kendall Award for Excellence in Mechanical Engineering		
School	Glastonbury High School	Glastonbury	Ms. Diane Pintavalle
Project Title	Developing a Low-Cost Method of Manufacturing Heart Valves for Transcatheter Aortic Valve Replacement Surgery		
Proj. No.	6014		
Student(s)	Brittany Horton	Grade 12	Town South Glastonbury

Jon Stone Memorial Award

Award	\$250 cash for Innovative Engineering		
School	Southern Connecticut Hebrew Academy	Orange	Mrs. Howell
Project Title	Analysis of different wood's resistance and how to prevent or delay the decay with natural sources.		
Proj. No.	1006		
Student(s)	Avraham Yaffe	Grade 8	Town Guilford
	Yaacov Hecht	Grade 8	Town Norwalk

Leask/Francoeur Family Awards

Award	1st Place High School- For innovation electrical engineering or computer science - \$200 cash		
School	Fairfield College Preparatory School	Fairfield	Anthony Canuel
Project Title	Exploration into the Development of a Mathematical Solar Cell Model in order to Simulate Solar Energy Potential in the United States		
Proj. No.	6054		
Student(s)	Dylan Hawkes	Grade 11	Town Trumbull

Award	1st Place Middle School- For innovation electrical engineering or computer science - \$200 cash		
School	Amity Regional Middle School-Bethany	Bethany	Kevin Berean
Project Title	WriteBot		
Proj. No.	4026		
Student(s)	Sophie Baum	Grade 8	Town Woodbridge
	Ananya Kachru	Grade 8	Town Woodbridge

Long Island Sound Foundation, Inc.

Award	\$500 Life Science/Environmental Science/Physical science		
School	Fishers Island School	Fishers Island NY	Carol Giles
Project Title	Investigating Bivalve Bioremediation in a Warming Climate		
Proj. No.	3080		
Student(s)	Aaron Kane	Grade 11	Town Groton

Award	\$500 Life Science/Environmental Science/Physical science		
School	St. Rose of Lima School	Newtown	Mrs. Jen Reilly
Project Title	The Investigation Of The Presence Of Plastic Microscopic Fibers In Effluent Sewage Water And The Long Island Sound		
Proj. No.	5011		
Student(s)	Catherine Herrick	Grade 7	Town Sandy Hook

Award	\$500 Life Science/Environmental Science/Physical science		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Creation of Tidal Power from Infiltrating Coastal Ground Water via a Novel Tidal Barrage System		
Proj. No.	6074		
Student(s)	Ethan Novek	Grade 9	Town Greenwich

Lunch with a Patent Attorney

Award	Lunch with a Patent Attorney		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Synergistic Antimicrobial Activity of Manuka Honey and Silver Nitrate		
Proj. No.	3007		
Student(s)	Emma Goodman	Grade 11	Town Riverside

Meyerand Young Woman Scientist Awards

Award	\$300 cash - High School, Life Sciences		
School	Ridgefield High School	Ridgefield	Michael Yagid
Project Title	Investigation of the BMP4 Culture Conditions Necessary to Produce Mesoderm-Lineage Cells from a Human Embryonic Stem Cell-Derived, Mesendoderm Intermediate		
Proj. No.	3091		
Student(s)	Megan Johnson	Grade 12	Town Ridgefield

Award	\$300 cash - High School, Physical Sciences		
School	The Gunnery	Washington	Steven Bailey
Project Title	Evaluating the Performance of a Model Solar Concentrating System Using Thermoelectric Generating Technology		
Proj. No.	6034		
Student(s)	Grace Herrick	Grade 9	Town Sandy Hook

Award	\$300 cash - Middle School Life Sciences		
School	Worthington Hooker Middle School	New Haven	Mr. Jones
Project Title	Plants on Other Planets: The Effects of Gravity and Atmosphere		
Proj. No.	1021		
Student(s)	Rachel Kawall	Grade 7	Town New Haven
	Sophie Edelstein	Grade 7	Town New Haven

Award	\$300 cash - Middle School, Physical Sciences		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	The Search for the Most Effective Ice Melt		
Proj. No.	5045		
Student(s)	Rebecca Ramthun	Grade 7	Town Bozrah

Milton Fisher Science Fair Award for Innovation and Creativity

Award	For Excellence in Creativity and Innovation by a High School student, \$200 cash		
School	East Catholic High School	Manchester	Paul Oei
Project Title	Investigating the Efficacy of Bioluminescent Mushroom Panellus Stipticus as a Biosensor to Detect the Toxicity of Water Contaminants		
Proj. No.	3087		
Student(s)	Bridget Oei	Grade 12	Town Hebron

Award	For Excellence in Creativity and Innovation by a Middle School student, \$100 cash		
School	Southern Connecticut Hebrew Academy	Orange	Mrs. Howell
Project Title	Analysis of different wood's resistance and how to prevent or delay the decay with natural sources.		
Proj. No.	1006		
Student(s)	Avraham Yaffe	Grade 8	Town Guilford
	Yaacov Hecht	Grade 8	Town Norwalk

MIT Club of Hartford K-12 Initiative

Award For excellence in science & technology of energy related research, high school, \$200 cash award

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

Project Title Design of a Novel Photo-Sensitized Carbon-based Supercapacitor for Capture and Storage of Solar Energy

Proj. No. **6040**

Student(s) Peter Russell **Grade** 11 **Town** Riverside

Award For excellence in science & technology of energy related research, middle school, \$200 cash award

School **Talcott Mountain Academy** **Avon** **Mr. Meredith**

Project Title The Efficiency and Durability of Piezoelectric Generators

Proj. No. **5507**

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

Mu Alpha Theta

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

School **Amity Regional High School** **Woodbridge** **Deborah Day**

Project Title Assessing the Correlation Between a Folate Deficiency During Pregnancy and Low Birth Weight

Proj. No. **3029**

Student(s) Victoria Liu **Grade** 11 **Town** Bethany

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

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

Project Title Temperature-Induced Concurrent Removal and Recovery of Wastewater Ammonia-Nitrogen

Proj. No. **6078**

Student(s) Andrew Ma **Grade** 11 **Town** Riverside

Mystic Aquarium

Award	\$100 and 4 Admission Tickets to Mystic Aquarium		
School	E.O. Smith High School	Storrs	Jon Swanson
Project Title	Effect of Light Levels on the Growth of Coral		
Proj. No.	3028		
Student(s)	Joyce Zhou	Grade 10	Town Willimantic

National Oceanic and Atmospheric Administration

Award	Certificate, lapel pin, and \$50 gift card to Amazon given by CSEF		
School	St. Gregory the Great School	Danbury	Mrs. Christine Fahey
Project Title	Purification Possibilities		
Proj. No.	1004		
Student(s)	Kevin McCoy	Grade 8	Town Danbury
	Dominick Curra	Grade 8	Town Danbury
	Devin Trotta	Grade 8	Town Danbury

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

Award	High School- Certificate, \$75.00 gift certificate		
School	Staples High School	Westport	Dr. Michele Morse
Project Title	The Effect of the Environment on the Development of a Food Allergy: A Sibling Study		
Proj. No.	3150		
Student(s)	Liana Sonenclar	Grade 12	Town Westport

Award	High School- Certificate, \$75.00 gift certificate		
School	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
Project Title	Bio-sensor drug carrier for insulin		
Proj. No.	6026		
Student(s)	William Tait	Grade 12	Town Stratford

Award High School- Certificate, \$75.00 gift certificate

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

Project Title Synthesis and Characterization of EGCG-PLAGA Conjugates and Mixtures

Proj. No. **6093**

Student(s) Anubhuti Mathur **Grade** 11 **Town** Glastonbury

Award High School- Certificate, \$75.00 gift certificate

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

Project Title Synthesis of a Block Co-polymer for the Manufacturing of a Bio-Degradable Monomeric Filament

Proj. No. **6095**

Student(s) Spencer Matonis **Grade** 11 **Town** Greenwich

Award High School- Certificate, \$75.00 gift certificate

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

Project Title Developing a Low-Cost Method of Manufacturing Heart Valves for Transcatheter Aortic Valve Replacement Surgery

Proj. No. **6014**

Student(s) Brittany Horton **Grade** 12 **Town** South Glastonbury

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

School **Capital Preparatory Magnet School** **Hartford** **Kelly Horan**

Project Title Does a Magnetic Field Affect Plant Cells?

Proj. No. **2523**

Student(s) Sophie Lee **Grade** 8 **Town** Rocky Hill

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

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

Project Title Investigation of the Antibacterial Properties of Various Ethanolic Plant Extracts

Proj. No. **2526**

Student(s) Mansi Dhond **Grade** 8 **Town** Greenwich

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

School **Fields Memorial School** **Bozrah** **Evelyn Brown**

Project Title The Search for the Most Effective Ice Melt

Proj. No. **5045**

Student(s) Rebecca Ramthun **Grade** 7 **Town** Bozrah

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

School **St. Gabriel School** **Windsor** **Margaret Rosa**

Project Title Bio vs. Fossil Fuels

Proj. No. **5540**

Student(s) Max Mossberg **Grade** 8 **Town** Windsor

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

School **Multicultural Magnet School** **Bridgeport** **Mr. Walter Mayorga**

Project Title Electrostatic Generator

Proj. No. **5550**

Student(s) Sarah Hernandez **Grade** 8 **Town** Bridgeport

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

School

Project Title

Proj. No. **5580**

Student(s)

Otero Family Award

Award The Otero Family Award; \$200 cash

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

Project Title Synthesis of a Block Co-polymer for the Manufacturing of a Bio-Degradable Monomeric Filament

Proj. No. **6095**

Student(s) Spencer Matonis **Grade** 11 **Town** Greenwich

Project Oceanology

Award Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt

School **St. Rose of Lima School** **Newtown** **Mrs. Jen Reilly**

Project Title The Investigation Of The Presence Of Plastic Microscopic Fibers In Effluent Sewage Water And The Long Island Sound

Proj. No. **5011**

Student(s) Catherine Herrick **Grade** 7 **Town** Sandy Hook

Award	Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt		
School	Bethel High School	Bethel	Mitchell Trainor
Project Title	Do zebra mussels colonize Lakes Lillinonah and Zoar from upstream?		
Proj. No.	3050		
Student(s)	Danika Wagener	Grade 11	Town Bethel

Randy Gibson Award for Earth Science Research

Award	\$100 cash and plaque		
School	St. Rose of Lima School	Newtown	Mrs. Reilly
Project Title	The Effect of Freezing and Thawing on Various Types of Rocks		
Proj. No.	5056		
Student(s)	Emilia McGuinness Getzinger	Grade 7	Town Newtown

Ricoh Corporation/Society for Science & the Public

Award	Certificate, Lapel Pin,\$50 gift card to Amazon given by CSEF		
School	Six to Six Interdistrict Magnet School	Bridgeport	Carmen Andrews
Project Title	Nature's Way of Cleaning Oil Spills in Fresh Water		
Proj. No.	2028		
Student(s)	Xiomara Hernandez	Grade 7	Town Stratford

Award	Certificate, Lapel Pin,\$50 gift card to Amazon given by CSEF		
School	Fields Memorial School	Bozrah	Mrs. Ev Brown
Project Title	A Study of the Production, Impact Testing, and Degradation of Seaweed Based Bioplastics		
Proj. No.	5508		
Student(s)	Katie Provost	Grade 8	Town Bozrah

Schoepfer Award for Excellence in Local Aquatic Science

Award	For excellence in a local water quality study, \$100 cash		
School	Southern Connecticut Hebrew Academy	Orange	Karen Howell
Project Title	Analysis of Phosphorus (Fertilizer) Recovery from Varied "Run-off" Sources (Local Rivers and L.I.S.)		
Proj. No.	2507		
Student(s)	Ben Forti	Grade 8	Town Woodbridge

Sister Mary Christine Life Sciences Award

Award	\$150 and plaque for excellence in the life sciences by a catholic middle school project		
School	Sacred Heart School	New Britain	Miss Kornas
Project Title	How long does it take devices to charge when the power goes out?		
Proj. No.	5529		
Student(s)	Kateryna Yurkevych	Grade 8	Town New Britain

Award	\$250 and plaque for excellence in the life sciences by a catholic high school project		
School	Convent of the Sacred Heart	Greenwich	Mary Musolino
Project Title	A Study of the Removal of Pollutants by Rain Gardens, a Low-Impact Drainage System		
Proj. No.	6058		
Student(s)	Sarah Banker	Grade 11	Town Greenwich

Society for In Vitro Biology

Award	Certificate and \$50 gift card to Amazon given by CSEF		
School	Glastonbury High School	Glastonbury	Diane Pintavalle
Project Title	Use of Stem Cell Engineering to Test the Function of a Genetic Variant for PTSD		
Proj. No.	3099		
Student(s)	Abbie Kelly	Grade 11	Town Glastonbury

Award	Certificate and \$50 gift card to Amazon given by CSEF		
School	Choate Rosemary Hall	Wallingford	Rachell Gritzer
Project Title	Characterization of TC-2153 Inhibition on Striatal-Enriched Protein Tyrosine Phosphatase (STEP) in Human Cell Lines		
Proj. No.	3162		
Student(s)	Archeta Rajagopalan	Grade 11	Town Glastonbury

Society of Women Engineers - Hartford Section

Award	Scientific Calculator		
School	Fields Memorial School	Bozrah	Mrs. Ev Brown
Project Title	A Study of the Production, Impact Testing, and Degradation of Seaweed Based Bioplastics		
Proj. No.	5508		
Student(s)	Katie Provost	Grade 8	Town Bozrah

Award	Scientific Calculator		
School	Simsbury High School	Simsbury	Danny Martins
Project Title	The Effects of Pressure, Temperature, and Cooling Rate on Tensile Strength of Extruded High Density Polyethylene		
Proj. No.	6041		
Student(s)	Rachel Baumann	Grade 9	Town Simsbury

Award	Scientific Calculator		
School	Immaculate High School	Danbury	Mrs. Betsy Murphy
Project Title	Effective Energy Storage Technology for Electric Power		
Proj. No.	6051		
Student(s)	Martha Haddad	Grade 9	Town Danbury

Award	Scientific Calculator		
School	Daniel Hand High School	Madison	Madhuparna Roychoudhury
Project Title	Examining Graphene Nanoparticles for CO2 capture and water purification.		
Proj. No.	6064		
Student(s)	Ankita Roychoudhury	Grade 9	Town Madison

Southeastern New England Marine Educators

Award	\$100 award and membership in SENEME - 1st Place Junior		
School	Fields Memorial School	Bozrah	Mrs. Ev Brown
Project Title	A Study of the Production, Impact Testing, and Degradation of Seaweed Based Bioplastics		
Proj. No.	5508		
Student(s)	Katie Provost	Grade 8	Town Bozrah

Award	\$100 award and membership in SENEME - 1st Place Senior		
School	Joel Barlow High School	Redding	Dr. Katherine Nuzzo
Project Title	Analyzing the Effect of De-icers on Connecticut River Water Quality		
Proj. No.	6035		
Student(s)	Jamie Curtis	Grade 12	Town Redding

Spirit of Invention Award

Award	\$100 Cash and Plaque for Inventive Concepts		
School	Amity Regional Middle School-Bethany	Bethany	Kevin Berean
Project Title	Harnessing Human Movement for Clean Energy		
Proj. No.	4033		
Student(s)	Edward Criscuolo	Grade 8	Town Woodbridge
	Howard Ding	Grade 8	Town Woodbridge

Stanley Lessoff Award for Excellence In Analytical Technique

Award	\$100 Cash and Plaque		
School	Southern Connecticut Hebrew Academy	Orange	Mrs. Karen Howell
Project Title	Effect of Sulfites as a Preservative on Cell Absorption and Nutrient Content.		
Proj. No.	4009		
Student(s)	Breindel Piekarski	Grade 7	Town Hamden
	Batya Koenigsberg	Grade 7	Town New Haven

Stockholm Junior Water Prize

Award	Certificate, Letter, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
School	Greenwich High School	Greenwich	Andy Bramante
Project Title	The Remediation of Heavy Metals from Wastewater Using an Aspergillus niger Activated Flow Filter		
Proj. No.	3104		
Student(s)	Kenneth Dorian	Grade 11	Town Riverside

Award	Certificate, Letter, \$50 gift card to Amazon given by CSEF, possible advance to further competition		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Temperature-Induced Concurrent Removal and Recovery of Wastewater Ammonia-Nitrogen		
Proj. No.	6078		
Student(s)	Andrew Ma	Grade 11	Town Riverside

Talcott Mountain Science Center

Award	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science		
School	St. Mark School	Stratford	Mr. McMahon
Project Title	Growing Our Future: Using LED Hydroponics to Cultivate Fresh Produce: A Solution for Urban Food Deserts		
Proj. No.	2044		
Student(s)	Kristen Robertson	Grade 7	Town Stratford

Award	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science		
School	Rippowam Middle School	Stamford	Mark Goldsmith
Project Title	Hypoallergenic Lawn Care Device		
Proj. No.	5563		
Student(s)	Kiran Jagtiani	Grade 8	Town Stamford

The Children's Museum

Award	1 family 4-Pack of Admission Passes to the Children's Museum		
School	E.C. Adams Middle School	Guilford	Mrs. Arnold
Project Title	The Mummification of Apples		
Proj. No.	2008		
Student(s)	Erik Mastalerz	Grade 7	Town Guilford

The Connecticut Technology Council Young Woman Innovation Award

Award	\$150 Cash Award for Technological Innovation		
School	Bridgeport Regional Aquaculture Center	Bridgeport	Kirk Shadle
Project Title	Synthesis of Silver Nanoparticles using Plasma Arcing Atomizing Methods		
Proj. No.	6091		
Student(s)	Kelly DeMeo	Grade 12	Town Fairfield

The Goodwin-Niering Center for the Environment

Award	\$100 for "Excellence in Environmental Conservation Studies"		
School	Greenwich High School	Greenwich	Andy Bramante
Project Title	The Remediation of Heavy Metals from Wastewater Using an Aspergillus niger Activated Flow Filter		
Proj. No.	3104		
Student(s)	Kenneth Dorian	Grade 11	Town Riverside

TurnKey Compliance Solutions Environmental Awards

Award	\$100 Cash Award Middle School- For excellence in environmental sciences		
School	Southern Connecticut Hebrew Academy	Orange	Mrs. Howell
Project Title	Analysis of natural sources of possible road de-icers and efect on pavement, soil, and plants.		
Proj. No.	5517		
Student(s)	Jacob Hasbani	Grade 8	Town New Haven

Award	\$200 Cash Award High School- For excellence in environmental sciences		
School	Greenwich High School	Greenwich	Andy Bramante
Project Title	The Remediation of Heavy Metals from Wastewater Using an Aspergillus niger Activated Flow Filter		
Proj. No.	3104		
Student(s)	Kenneth Dorian	Grade 11	Town Riverside

U.S. Air Force

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	Middlebrook School	Wilton	Mrs. Garcia
Project Title	Use of a Microbial Fuel Cell to Generate Electricity from Compost		
Proj. No.	1010		
Student(s)	Emilie McCann	Grade 8	Town Wilton
	Nora Hoch	Grade 8	Town Wilton

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	St. Mary School	Bethel	Mrs. McDonald
Project Title	Does the Shape of an Air Foil affect the lift of an Airplane?		
Proj. No.	5557		
Student(s)	Michael Meehan	Grade 8	Town Bethel

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	St. Mary School	Newington	Deborah Giantonio
Project Title	Which Model Airplane Flies the Farthest?		
Proj. No.	5567		
Student(s)	Anthony Tedeschi	Grade 8	Town Wethersfield

U.S. Metric Association

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	Manchester High School	Manchester	Megan Rader
Project Title	The Kinematics of Barefoot and Shod Running		
Proj. No.	3068		
Student(s)	Megan Boyer	Grade 12	Town Manchester

Award	Certificate & \$50 gift card to Amazon given by CSEF		
School	Southern CT Invitational Sci & Eng Fair	Redding	Deborah Day
Project Title	Construction of a Renewable Energy Generator from Recycled Materials: A Study on Windbelts		
Proj. No.	6059		
Student(s)	Noah Gallant	Grade 11	Town Bethany

United States Public Health Service

Award	Certificate & \$50 Amazon gift card given by CSEF & medallion		
School	St. Mark School	Stratford	Michael McMahon
Project Title	N.D. Naturopathic doctors and Alternative healthcare vs. M.D. Medical doctors and Conventional healthcare		
Proj. No.	2503		
Student(s)	Skylar Shandrowski	Grade 8	Town Stratford

University of Connecticut - Physics Department

Award	UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate		
School	Engineering & Science University Magnet	New Haven	Roger Rushworth
Project Title	The Affect of Pseudomonas putida on the Biodegradation of Plastics		
Proj. No.	3084		
Student(s)	Lauren Low	Grade 9	Town Hamden

Award	UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat		
School	New Milford High School	New Milford	Ms. Virginia Landgrebe
Project Title	The Oort Cloud: A Cometary Reservoir		
Proj. No.	6117		
Student(s)	Carly KleinStern	Grade 11	Town New Milford

Award	UCONN Physics Department - Co-Op \$100 Gift Certificate		
School	Greens Farms Academy	Greens Farms	Mathieu Freeman
Project Title	Momentum Powered Magnetic Generator For Electric Car Applications And Free Energy And Perpetual Motion Research		
Proj. No.	6049		
Student(s)	Arthur Doelp	Grade 12	Town Darien

University of Connecticut Academic Excellence Scholarship

Award	Academic Excellence Scholarship - \$5000 a year for each of four academic years- \$20,000 total		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Synthesis of a Block Co-polymer for the Manufacturing of a Bio-Degradable Monomeric Filament		
Proj. No.	6095		
Student(s)	Spencer Matonis	Grade 11	Town Greenwich

University of New Haven 11-12th Grade Awards in Engineering & Science

Award	\$100 For Top High School Project in Chemistry		
School	Brewster High School	Brewster NY	Edward Schmidt
Project Title	Determining Honey Adulteration with Raman Spectra		
Proj. No.	6056		
Student(s)	Andrew Genussa	Grade 12	Town Brewster

Award	\$100 For Top High School Project in Energy & Transportation		
School	Madina Academy Upper School	Windsor	Ibtsam Mahfouz
Project Title	A Novel Wind Turbine Design Incorporating Photovoltaic Cells and Piezoelectric Sensors		
Proj. No.	6521		
Student(s)	Aasiya Ahmed	Grade 11	Town Windsor
	Aden Khan	Grade 11	Town Windsor
	Usra Qureshi	Grade 11	Town Windsor

Award	\$100 For Top High School Project in Environmental Science		
School	Putnam Science Academy	Putnam	Serdar Haytiyev
Project Title	A Novel Approach to Removing Oil Spills from Seawater by using Sustainable and Cost-efficient Materials		
Proj. No.	3520		
Student(s)	Cagri Aytakin	Grade 11	Town Putnam
	Berk Suleyman	Grade 11	Town Putnam
	Erkam Curuk	Grade 11	Town Putnam

Award	\$100 For Top High School Project in Sustainability		
School	East Catholic High School	Manchester	Paul Oei
Project Title	Investigating the Efficacy of Bioluminescent Mushroom Panellus Stipticus as a Biosensor to Detect the Toxicity of Water Contaminants		
Proj. No.	3087		
Student(s)	Bridget Oei	Grade 12	Town Hebron

Award	\$100 For Top High School Project in Biochemistry		
School	Ridgefield High School	Ridgefield	Michael Yagid
Project Title	The Effect of TiO ₂ /Graphene Oxide on the Purification of Tris(2-Chloroethyl)Phosphate(TCEP) and CuSO ₄ (CS) Contaminated Water		
Proj. No.	3101		
Student(s)	Jin Joo Kim	Grade 12	Town Ridgefield

Award	\$100 For Top High School Project in Cell and Molecular Biology		
School	Greens Farms Academy	Greens Farms	Mathieu Freeman
Project Title	Differentially Expressed Genes in the Adipose Layer of Skin in Psoriatic Patients		
Proj. No.	3044		
Student(s)	Ethan Petno	Grade 11	Town New Canaan

Award	\$100 For Top High School Project in Computer Science		
School	Fairfield College Preparatory School	Fairfield	Anthony Canuel
Project Title	Exploration into the Development of a Mathematical Solar Cell Model in order to Simulate Solar Energy Potential in the United States		
Proj. No.	6054		
Student(s)	Dylan Hawkes	Grade 11	Town Trumbull

Award	\$100 For Top High School Project in Engineering: Electrical		
School	Amity Regional High School	Woodbridge	Deborah Day
Project Title	Designing a circuit board to wirelessly power a Left Ventricular Assist Device (LVAD)		
Proj. No.	6124		
Student(s)	Daniel Giebisch	Grade 11	Town Woodbridge

Award	\$100 For Top High School Project in Engineering: Mechanical		
School	Glastonbury High School	Glastonbury	Ms. Diane Pintavalle
Project Title	Developing a Low-Cost Method of Manufacturing Heart Valves for Transcatheter Aortic Valve Replacement Surgery		
Proj. No.	6014		
Student(s)	Brittany Horton	Grade 12	Town South Glastonbury

Award	\$100 For Top High School Project in Mathematics		
School	Convent of the Sacred Heart	Greenwich	Mary Musolino
Project Title	Testing the Use of Carbon Nanotubes in Electrochemical Double Layered Super Capacitors		
Proj. No.	6012		
Student(s)	Jennifer Esposito	Grade 11	Town Bedford

Award	\$100 For Top High School Project in Microbiology		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Use of a Pre-Chemotherapy/Radiotherapy Regimen of Glutamine and Probiotics to Prevent Oral Mucositis		
Proj. No.	3163		
Student(s)	Alexandra Ng	Grade 11	Town Greenwich

Westinghouse Electric Company/New England Chapter of North American Young

Award	1st place, Excellence in Energy Research, \$100 cash award		
School	Bassick High School	Bridgeport	Mr. Shadle
Project Title	The Development of a Recycled Tire and Marine Cyanobacteria Single Chamber Microbial Fuel Cell		
Proj. No.	6089		
Student(s)	Rami Kharbouch	Grade 11	Town Bridgeport

Wisner Award

Award	\$250 cash and plaque		
School	St. Timothy Middle School	West Hartford	Mrs. Breen
Project Title	Homopolar Motor From Faraday To Now-A-Day		
Proj. No.	5008		
Student(s)	Alexis Aiudi	Grade 7	Town Avon

Yale Peabody Museum

Award	Family "six-pack" of free passes to the Yale Peabody Museum		
School	Our Lady of Mercy School	Madison	Christopher Supik
Project Title	Feed The Birds		
Proj. No.	2019		
Student(s)	Claire Vissers	Grade 7	Town Killingworth

Award	Family "six-pack" of free passes to the Yale Peabody Museum		
School	Danbury High School	Danbury	Mr. John LaRosa
Project Title	Biological Control of the Invasive Eurasian Watermilfoil Using Aquatic Weevils		
Proj. No.	3098		
Student(s)	Janine Kerr	Grade 11	Town Danbury

Award	Family "six-pack" of free passes to the Yale Peabody Museum		
School	Amity Regional High School	Woodbridge	Ms. Deborah Day
Project Title	Ilio-sacral and Ilio-femoral Joint Relation in the Positioning of Iguanas in the Lizard Tree of Life		
Proj. No.	3134		
Student(s)	Samantha Austin	Grade 12	Town Bethany

Award	Family "six-pack" of free passes to the Yale Peabody Museum		
School	Staples High School	Westport	Dr. Michele Morse
Project Title	An Assessment of the Reefs in the Windward Islands Due to the Presence of Pterois volitans		
Proj. No.	3135		
Student(s)	Max Kantor	Grade 12	Town Westport

Award	One-Year Family Membership to the Yale Peabody Museum		
School	Environmental Sciences Magnet at Mary	Hartford	Rebecca Hays
Project Title	Climate Change vs. Mussels: Unfiltered!		
Proj. No.	2541		
Student(s)	Taylor Marchand	Grade 8	Town Winchester

Award	One-Year Family Membership to the Yale Peabody Museum		
School	Bethel High School	Bethel	Mitchell Trainor
Project Title	Do zebra mussels colonize Lakes Lillionah and Zoar from upstream?		
Proj. No.	3050		
Student(s)	Danika Wagener	Grade 11	Town Bethel

Award	One-Year Family Membership to the Yale Peabody Museum		
School	Staples High School	Westport	Dr. Michele Morse
Project Title	The Feeding Behavior of Squilla empusa in the Long Island Sound		
Proj. No.	3121		
Student(s)	Jeffrey Burns	Grade 12	Town Westport

Yale Science & Engineering Association, Inc.

Award	Certificate, \$50 gift card to Amazon given by CSEF		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Design of a Novel Photo-Sensitized Carbon-based Supercapacitor for Capture and Storage of Solar Energy		
Proj. No.	6040		
Student(s)	Peter Russell	Grade 11	Town Riverside

Award	Certificate, \$50 gift card to Amazon given by CSEF		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Temperature-Induced Concurrent Removal and Recovery of Wastewater Ammonia-Nitrogen		
Proj. No.	6078		
Student(s)	Andrew Ma	Grade 11	Town Riverside