



Conn. Science & Engineering Fair

Quinnipiac University

March 11 - 16, 2019

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	Bridgeport Regional Aquaculture Center	Bridgeport	Mr. Shadle
Project Title	Phytoremediation of 17 β Estradiol Using Lemna minor in Freshwater Bodies		
Proj. No.	3027		
Student(s)	Joshua Salem	Grade 12	Town Trumbull

Award	\$100 Junior, Environmental Research, waste recycling related		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Recovering Energy From an A/C Unit Condenser Exhaust Fan		
Proj. No.	5025		
Student(s)	Elle Okoney	Grade 7	Town Bozrah

Award	\$100 Senior, Environmental Research, air pollution related		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Simple Creation of Portable Renewable Energy using a Recycled/Repurposed Water Bottle – C. reinhardtii Biophotovoltaic System		
Proj. No.	6002		
Student(s)	Zachary Wang	Grade 11	Town Greenwich

Award	\$100 Senior, Environmental Research, waste recycling related		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	The Study of Effectiveness of Different Separation Methods in Removing Suspended Microplastics from Water		
Proj. No.	5509		
Student(s)	Srishti Ramakrishnan	Grade 8	Town Danbury

Alumni Botany Awards

Award	Alumni High School Botany Award- \$100 Cash		
School	Science and Technology Magnet High	New London	Mr. Brown
Project Title	Phytoremediation of Lead-Contaminated Water by Sunflowers		
Proj. No.	3045		
Student(s)	Laurelou Doyonnas	Grade 9	Town Mystic

Award	Alumni Middle School Botany Award- \$100 Cash		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	Molecular Health Indices of the Kalmia Latifolia		
Proj. No.	2024		
Student(s)	Maria Eduarda Sousa Lopes	Grade 7	Town Danbury

American Institute of Aeronautics & Astronautics - Connecticut Section

Award	\$200 award, certificate		
School	St. Rose of Lima School	Newtown	Mrs. Valerie Petrillo
Project Title	How Does the Shape of an Airplane Affect Its Speed and Lift?		
Proj. No.	5029		
Student(s)	Rohan Carey	Grade 7	Town Sandy Hook

Award	\$200 award, certificate		
School	Ridgefield High School	Ridgefield	Ryan Gleason
Project Title	Single Stage to Orbit Spaceplane Utilizing Hybrid Propulsion Design Study		
Proj. No.	6016		
Student(s)	Josh Burns	Grade 12	Town Ridgefield

American Meteorological Society

Award	Certificate & \$25 gift card given by CSEF		
School	Interdistrict Discovery Magnet School	Bridgeport	Helena Coatsworth
Project Title	The Heat is On		
Proj. No.	5030		
Student(s)	Amelia Bragg-Phillips	Grade 7	Town Stratford

Award	Certificate & \$25 gift card given by CSEF		
School	Middlebrook Middle School	Wilton	Mrs. Mallozzi
Project Title	Fighting Wildfires with Data from Satellite Remote Sensors.		
Proj. No.	5510		
Student(s)	Gayathri Kaimal	Grade 8	Town Wilton

Award	Certificate & \$25 gift card given by CSEF		
School	Black Rock School	Bridgeport	Alexis Davis
Project Title	Tracking Geomagnetic Storms in the Ionosphere		
Proj. No.	5532		
Student(s)	Yousra Oukassi	Grade 8	Town Bridgeport

Award	Certificate & \$25 gift card given by CSEF		
School	Amity Regional High School	Woodbridge	Catherine Piscitelli
Project Title	Split Streams as a Novel Determinant of Extreme Severe Thunderstorm Potential in the Northeastern US		
Proj. No.	6019		
Student(s)	Jacob Feuerstein	Grade 12	Town Woodbridge

Award	Certificate & \$25 gift card given by CSEF		
School	Amity Regional High School	Woodbridge	Catherine Piscitelli
Project Title	Analyzing Particulate Matter Atmospheric Pollution Trends in Connecticut		
Proj. No.	6029		
Student(s)	Ella Marin	Grade 11	Town Woodbridge

Award	Certificate & \$25 gift card given by CSEF		
School	Joel Barlow High School	Redding	Paul Testa
Project Title	Effects of Sulfides on Atmosphere		
Proj. No.	6030		
Student(s)	Matthew Sun	Grade 11	Town Redding

American Psychological Association

Award	Certificate, \$25 gift card given by CSEF		
School	Interdistrict Discovery Magnet School	Bridgeport	Helena Coatsworth
Project Title	Does Color Effect Memory Retention?		
Proj. No.	2501		
Student(s)	Zoe Curtin	Grade 8	Town Bridgeport

Award Certificate, \$25 gift card given by CSEF

School **Wilbur Cross High School** **New Haven** **Brendan Hare**

Project Title Association of Music Perception and Memory

Proj. No. **3020**

Student(s) Alexandra Northrup **Grade** 10 **Town** New Haven

Award Certificate, \$25 gift card given by CSEF

School **CT STEM Fair - Amity Regional High School** **Redding** **Catherine Piscitelli**

Project Title Examining Eye Movement During Decision-Making to Characterize Attention in People with Obsessive-Compulsive Disorder

Proj. No. **3506**

Student(s) Thomas Livesay **Grade** 12 **Town** Woodbridge

Summer Schaaf **Grade** 12 **Town** Woodbridge

American Society of Safety Professionals, CT Valley Chapter

Award \$100 grade 7-8 project

School **Talcott Mountain Academy** **Avon** **Brigette Zacharczenko**

Project Title Survey of Common Types of Cyanobacteria and its Toxins Found in the Recreational Areas of CT

Proj. No. **2530**

Student(s) Anishka Perera **Grade** 8 **Town** Torrington

Award \$100 grade 7-8 project

School **Middlebrook Middle School** **Wilton** **Mrs. Garcia**

Project Title Alternative Household Method to Extinguish Fires

Proj. No. **5502**

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

Award \$100 grade 7-8 project

School **Sacred Heart School** **Groton** **Dr. Juan Pacheco**

Project Title Building a Better Hearing Aid Using Noise Cancellation

Proj. No. **5523**

Student(s) Payton Noe **Grade** 8 **Town** East Lyme

Award	\$150 grade 9-12 project		
School	Bridgeport Military Academy	Bridgeport	Samantha Peck
Project Title	What Type of Tourniquet Will Stop The Bleed Faster?		
Proj. No.	3039		
Student(s)	Vincent Porcaro	Grade 9	Town Easton

Award	\$150 grade 9-12 project		
School	Bethel High School	Bethel	Joseph Grand
Project Title	Testing How Different Materials Reduce Frequency and the Effectiveness of that Material in Reducing White Noise		
Proj. No.	6099		
Student(s)	Brian Salvador	Grade 12	Town Bethel

Award	\$150 grade 9-12 project		
School	Sacred Heart Academy	Hamden	Pam Brownell
Project Title	Creation of a Fire Resistant Membrane in the Makeup of a Wall		
Proj. No.	6503		
Student(s)	Mia Celentano	Grade 10	Town Hamden
	Aliya Cameron	Grade 10	Town Hamden

Arthur Mensing Award

Award	\$1000 cash award for Excellence in the Physical Sciences		
School	Academy of Aerospace and Engineering	Windsor	Michelle Bellinger
Project Title	Development of In-situ Fabrication Methods of Martian Construction Material		
Proj. No.	6521		
Student(s)	Cristian Rodriguez	Grade 12	Town East Hartford
	Srikar Godilla	Grade 12	Town Newington

ASM Materials Education Foundation

Award	Certificate & \$25 gift card given by CSEF		
School	Manchester High School	Manchester	Megan Rader
Project Title	Application of Cyanobacteria Anthrospira Platensis as a Polyfiber Biopaper		
Proj. No.	3024		
Student(s)	Tyler Greene	Grade 12	Town Manchester

Award	Certificate & \$25 gift card given by CSEF		
School	Academy of Aerospace and Engineering	Windsor	Dr. Bellinger
Project Title	Effect of varying shape memory alloys on the folding mechanism of a pollination device and the efficiency of the collection and dispersion using electrostatic forces.		
Proj. No.	6506		
Student(s)	Gianna Guzzo	Grade 11	Town Suffield
	Andrea Lacunza	Grade 11	Town Avon

Award	Certificate & \$25 gift card given by CSEF		
School	Academy of Aerospace and Engineering -	Windsor	Dr. Bellinger
Project Title	Do Contaminants Effect the Strength of Concrete at Construction Sites?		
Proj. No.	4028		
Student(s)	Justin Ho	Grade 8	Town Suffield
	Nicholas Sattan	Grade 8	Town Suffield

Association for Women Geoscientists

Award	Certificate & \$25 gift card given by CSEF		
School	Worthington Hooker Middle School	New Haven	Mr. Jones
Project Title	The Greenhouse Effect		
Proj. No.	1015		
Student(s)	Hannah Ziesche	Grade 7	Town New Haven
	Lucy June Dunn	Grade 7	Town New Haven

Award	Certificate & \$25 gift card given by CSEF		
School	Saint Joseph Catholic Academy	Brookfield	Mrs. Dimon
Project Title	The Effect of Ocean Acidification on Crepidula Fornicata		
Proj. No.	2003		
Student(s)	Abigail Cristaudo	Grade 7	Town Brookfield CT

Award	Certificate & \$25 girt card given by CSEF		
School	Park City Prep Charter School	Bridgeport	Mrs. Boudreau
Project Title	Which Parsley is better?		
Proj. No.	1016		
Student(s)	Gabriella-elise Rodrigues	Grade 7	Town Waterbury
	Sara Pacheco	Grade 7	Town bridgeport

Astronomical Society of Greater Hartford

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

School **St. Bernadette School** **New Haven** **Kerry Martens**

Project Title What Local Town is the Best for Stargazing?

Proj. No. **5547**

Student(s) Grace Gogliettino **Grade** 8 **Town** New Haven

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

School **Canton High School** **Canton** **Stephen Riley**

Project Title Analyzing the Structure of Protostellar Core Clusters in an Infrared Dark Cloud

Proj. No. **6050**

Student(s) Colton Glasgow **Grade** 12 **Town** Canton

Banning Family Life Science Award

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

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

Project Title Extracting, Cloning, and Targeting the Glyceraldehyde 3-Phosphate Dehydrogenase Gene in Invasive Plant Species

Proj. No. **3521**

Student(s) Logan Darrin **Grade** 11 **Town** Greenwich
David Swigart **Grade** 11 **Town** Greenwich

Barker Mohandas Awards for Transportation Research

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

School **St. Aloysius School** **New Canaan** **Deborah Phillips**

Project Title Remote Control Ceiling Car

Proj. No. **5011**

Student(s) Sofie Brauweiler **Grade** 7 **Town** New Canaan

Award \$200 Cash & Plaque for Excellence in Transportation Related Research- High School

School **Kent School** **Kent** **Ben Nadire**

Project Title Intuitive Control Algorithm Development of 4WIS/4WID Using A SpaceMouse

Proj. No. **6048**

Student(s) Taewook Kim **Grade** 11 **Town** Kent

Biophysical Society

Award	Biophysics Award- \$100		
School	Hamden High School	Hamden	Sophia Michalatos
Project Title	Diagnosing Parkinson's Disease with Artificial Intelligence		
Proj. No.	6004		
Student(s)	Akshar Agarwal	Grade 12	Town Hamden

Broadcom MASTERS

Award	The Lemelson Early Inventor Prize		
School	Sacred Heart School	Groton	Dr. Juan Pacheco
Project Title	Building a Better Hearing Aid Using Noise Cancellation		
Proj. No.	5523		
Student(s)	Payton Noe	Grade 8	Town East Lyme

Connecticut Academy of Audiology

Award	\$150 Award MS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist		
School	Bethel High School	Bethel	Joseph Grand
Project Title	Testing How Different Materials Reduce Frequency and the Effectiveness of that Material in Reducing White Noise		
Proj. No.	6099		
Student(s)	Brian Salvador	Grade 12	Town Bethel

Award	\$200 Award HS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist		
School	Sacred Heart School	Groton	Dr. Juan Pacheco
Project Title	Building a Better Hearing Aid Using Noise Cancellation		
Proj. No.	5523		
Student(s)	Payton Noe	Grade 8	Town East Lyme

Connecticut Association for the Gifted

Award	Leonardo Davinci 7-8 Grade \$50 Gift Certificate		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Wind Turbine Tree		
Proj. No.	5524		
Student(s)	Mingyue Zha	Grade 8	Town Woodbridge

Award	Leonardo Davinci Award 9-12 Grade \$50 Gift Certificate		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	"Magnetically-Positioned, Lipase-Induced Degradation of Arterial Plaques with Simultaneous Smartphone Detection of Post-Dissolution Products."		
Proj. No.	3093		
Student(s)	Hiba Hussain	Grade 11	Town Old Greenwich CT

Connecticut Association of Physics Teachers

Award	\$100 Senior project		
School	Academy of Aerospace and Engineering	Windsor	Michelle Bellinger
Project Title	Optimizing Archimedian screw geometry to increase the energy conversion efficiency of a micro hydropower plant.		
Proj. No.	6530		
Student(s)	Devesh Kakkar	Grade 11	Town South Windsor
	Johnathan Bell	Grade 11	Town Glastonbury

Connecticut Invention Convention "Next Step Inventors"

Award	Next Step Inventor Trophy & Invitation to compete at the 2019 Invention Convention, May 4		
School	Wilbur Cross High School	New Haven	Nick Farrell
Project Title	Developing a Functional Tracheal Replacement Graft: Studying the Effects of Graft Stiffness on Host Response		
Proj. No.	3052		
Student(s)	Sophie Edelstein	Grade 12	Town New Haven

Award	Next Step Inventor Trophy & Invitation to compete at the 2019 Invention Convention, May 4		
School	Bristow Middle School	West Hartford	Janice LaVangie
Project Title	A low-cost and efficient way to harvest biomechanical energy: Generating electricity from people during daily activities		
Proj. No.	5012		
Student(s)	Angela Zhang	Grade 7	Town West Hartford

Award	Next Step Inventor Trophy & Invitation to compete at the 2019 Invention Convention, May 4		
School	CT STEM Fair - Amity Regional High School	Redding	Deborah Day
Project Title	Real-Time Sinkhole detection using Civil Engineering techniques, the Internet of Things (IoT), and Artificial Intelligence		
Proj. No.	6005		
Student(s)	Sophia Wang	Grade 11	Town Woodbridge

Award	Next Step Inventor Trophy & Invitation to compete at the 2019 Invention Convention, May 4		
School	Shelton High School	Shelton	Ernest Pagliaro
Project Title	Clean Screen		
Proj. No.	6021		
Student(s)	Kyle Young	Grade 11	Town Shelton

Award	Next Step Inventor Trophy & Invitation to compete at the 2019 Invention Convention, May 4		
School	Bridgeport Regional Aquaculture Center -	Bridgeport	Mr. Shadle
Project Title	Development of Self Adjusting Slip Clutch Vertical Axis Wind Turbine to Eliminate Torque Damage in High Wind Speeds		
Proj. No.	6026		
Student(s)	Gavin Krois	Grade 12	Town Milford

Award	Next Step Inventor Trophy & Invitation to compete at the 2019 Invention Convention, May 4		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	The Utilization Of a Miniaturized Wind Turbine to Charge An Electronic Device Using The Wind Produced By Blowing		
Proj. No.	6077		
Student(s)	Noah Levi	Grade 10	Town Wilton

Connecticut Science Supervisors Association

Award	\$125 for a high school project		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Single-Use, Insulative Tableware Made from Cornstarch and a Hydrophobic Edible Thin Film, as a Biodegradable Replacement for Styrofoam		
Proj. No.	6089		
Student(s)	Tyler Fox	Grade 11	Town Cos Cob

Award	\$125 for a middle school project		
School	Middlebrook Middle School	Wilton	Mrs. Mallozzi
Project Title	Fighting Wildfires with Data from Satellite Remote Sensors.		
Proj. No.	5510		
Student(s)	Gayathri Kaimal	Grade 8	Town Wilton

Connecticut Technology Council Young Woman Innovation Award

Award	\$150 Cash Award for Technological Innovation by a female project		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Waste Watchers		
Proj. No.	4019		
Student(s)	Elise Sheeche	Grade 8	Town Bethany
	Audrey Cummings	Grade 8	Town Woodbridge
	Anushka Acharya	Grade 8	Town Bethany

Constellation, an Exelon Company

Award	1st: \$100.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy		
School	Greens Farms Academy	Greens Farms	Modupe Oshin
Project Title	PediGenerator: Turning Steps Into Energy Using PiezoElectric Generators to harness, convert and store the energy needed to charge a mobile device		
Proj. No.	5008		
Student(s)	Tolani Oshin	Grade 7	Town West Haven

Award	1st: \$150.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy		
School	Academy of Aerospace and Engineering	Windsor	Dr. Bellinger
Project Title	The Effect of Piezoelectric Cantilever Beam Design and Spatial Positioning in a Network on the Efficiency and Maximum Energy Output of a Vibro Wind Unit.		
Proj. No.	6092		
Student(s)	Jean Pasato	Grade 12	Town Middletown

Award	2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy		
School	E.O. Smith High School	Storrs	Cheryl Granger
Project Title	Designing an Efficient Roof-Mounted Wind Turbine System		
Proj. No.	6053		
Student(s)	Mathew Chandy	Grade 10	Town Storrs

Award	2nd: \$50.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Wind Turbine Tree		
Proj. No.	5524		
Student(s)	Mingyue Zha	Grade 8	Town Woodbridge

Ct Architecture Foundation - The William M. Mack, AIA Award

Award	\$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.		
School	Platt Technical High School	Milford	Jessica Stamp
Project Title	Natural Disaster Relief Housing		
Proj. No.	6524		
Student(s)	Victoria St. Peter	Grade 10	Town Hamden
	Alyssa Ciarleglio	Grade 10	Town West Haven
	Johanatis Rivera	Grade 11	Town Bridgeport

Award	\$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.		
School	Platt Technical High School	Milford	Jessica Stamp
Project Title	Natural Disaster Relief Housing		
Proj. No.	6524		
Student(s)	Victoria St. Peter	Grade 10	Town Hamden
	Alyssa Ciarleglio	Grade 10	Town West Haven
	Johanatis Rivera	Grade 11	Town Bridgeport

Demos R Us Award

Award	\$150 Cash Award- Clear Execution of Research- 8th Grade		
School	Saint Joseph School	Danbury	Jennifer Reilly
Project Title	Recycled Plastics As Insulation For Energy Efficient Homes		
Proj. No.	5539		
Student(s)	Georen Chirayil	Grade 8	Town Danbury

Award	\$200 Cash Award- Clear Execution of Research- High School		
School	Bridgeport Regional Aquaculture Center	Bridgeport	Mr. Shadle
Project Title	Maximizing Photodynamic Therapy Through Highly Focused Beam of 200 nanometer - 400 nanometer to Promote Cellular Lysis		
Proj. No.	6079		
Student(s)	Jeremy Garskof	Grade 12	Town Fairfield

Dreams Unlimited Award

Award	\$100 Cash Award + Certificate		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Multifunctional Temperature Sensor		
Proj. No.	4005		
Student(s)	Annie Liu	Grade 8	Town Woodbridge
	Melinda Lu	Grade 8	Town Woodbridge

Environmental / Energy Award- New Haven Public School Award

Award	\$100 Award for top environmental or alternative energy project from a New Haven public school		
School	Academy of Aerospace and Engineering	Windsor	Michelle Bellinger
Project Title	Optimizing Archimedian screw geometry to increase the energy conversion efficiency of a micro hydropower plant.		
Proj. No.	6530		
Student(s)	Devesh Kakkar	Grade 11	Town South Windsor
	Johnathan Bell	Grade 11	Town Glastonbury

Fox Pest Control Award for Environmental Management

Award	\$150 Cash for Excellence in Environmental Management		
School	Science and Technology Magnet High	New London	Isabella Moniz
Project Title	The Correlation Between Nitrogenous Species and the Aboveground and Belowground Biomass of Spartina alterniflora (common cordgrass) in a restored Salt Marsh, Barn Island, CT		
Proj. No.	3070		
Student(s)	Sara Bouchard	Grade 11	Town Waterford

Frank J. Link Family Award for Energy Related Research

Award	Frank J. Link Award for Energy Related Research - \$50		
School	St. Gregory the Great School	Danbury	Mrs. Fahey
Project Title	ONE MAN'S TRASH IS ANOTHER MAN'S ENERGY		
Proj. No.	2518		
Student(s)	Thomas Fanelli	Grade 8	Town Danbury

Award Frank J. Link Award for Energy Related Research - \$50

School Greens Farms Academy Greens Farms Modupe Oshin

Project Title PediGenerator: Turning Steps Into Energy Using PiezoElectric Generators to harness, convert and store the energy needed to charge a mobile device

Proj. No. 5008

Student(s) Tolani Oshin Grade 7 Town West Haven

Fuss & O'Neill, Inc.

Award \$200 Award for Excellence in Alternative/Renewable Energy

School Greenwich High School Greenwich Andrew Bramante

Project Title Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive Entranceway

Proj. No. 3007

Student(s) Raina Jain Grade 11 Town Riverside

Award \$200 Award for Excellence in Environmental Sciences

School Talcott Mountain Academy Avon Lydia Gibb

Project Title The Bubble

Proj. No. 2515

Student(s) Leo Southam Grade 8 Town Shelton

Garg Consulting Services Award for Excellence in Construction Engineering

Award \$250 cash and plaque

School Academy of Aerospace and Engineering - Windsor Dr. Bellinger

Project Title Do Contaminants Effect the Strength of Concrete at Construction Sites?

Proj. No. 4028

Student(s) Justin Ho Grade 8 Town Suffield

Nicholas Sattan Grade 8 Town Suffield

GENIUS Olympiad

Award GENIUS Olympiad Competition for 2nd Place HS Alternative/Renewable Energy Project

School Bridgeport Regional Aquaculture Center Bridgeport Mr. Shadle

Project Title Enhancing Dye Sensitized Solar Cell Efficiency Through the Application of a Silica Structure Microfilm Layer

Proj. No. 6001

Student(s) Camryn Mazerolle Grade 12 Town Shelton

Award	GENIUS Olympiad Competition for 2nd Place HS Environmental Project		
School	Science and Technology Magnet High	New London	Isabella Moniz
Project Title	The Correlation Between Nitrogenous Species and the Aboveground and Belowground Biomass of <i>Spartina alterniflora</i> (common cordgrass) in a restored Salt Marsh, Barn Island, CT		
Proj. No.	3070		
Student(s)	Sara Bouchard	Grade 11	Town Waterford

Award	GENIUS Olympiad Competition for Highest Placing USC 8th grade Project		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	The Study of Effectiveness of Different Separation Methods in Removing Suspended Microplastics from Water		
Proj. No.	5509		
Student(s)	Srishti Ramakrishnan	Grade 8	Town Danbury

Award	GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project		
School	E.O. Smith High School	Storrs	Cheryl Granger
Project Title	Designing an Efficient Roof-Mounted Wind Turbine System		
Proj. No.	6053		
Student(s)	Mathew Chandy	Grade 10	Town Storrs

Award	GENIUS Olympiad Competition for 1st Place HS Future Sustainability		
School	Bridgeport Regional Aquaculture Center	Bridgeport	Mr. Shadle
Project Title	Sorption of Hydrogen Sulfide Contaminates Through Methyl Diethanolamine Doped Ceramic Beads Coupled With a Piperazine Catalyst		
Proj. No.	6074		
Student(s)	Erica Carpenter	Grade 12	Town Trumbull

Geology/Historic Project of Merit Award

Award	\$50 - Earth Science - Field work with Geologic or historic value		
School	CT STEM Fair - Amity Regional High School	Redding	Deborah Day
Project Title	Real-Time Sinkhole detection using Civil Engineering techniques, the Internet of Things (IoT), and Artificial Intelligence		
Proj. No.	6005		
Student(s)	Sophia Wang	Grade 11	Town Woodbridge

Henderson Award

Award	Certificate and \$25 Amazon Gift Card given by CSF		
School	Talcott Mountain Academy	Avon	Brigette Zacharczenko
Project Title	Defensive Behavior of Tobacco Hornworm Caterpillars		
Proj. No.	2520		
Student(s)	Tyler Andrews	Grade 8	Town Torrington

IEEE, Connecticut Section

Award	\$100 Honorable Mention		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Early Diagnosis and Tracking of Parkinson's Disease via Supervised Machine Learning Algorithms		
Proj. No.	3022		
Student(s)	Kyle Xiong	Grade 11	Town Riverside

Award	\$100 Honorable Mention		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Multifunctional Temperature Sensor		
Proj. No.	4005		
Student(s)	Annie Liu	Grade 8	Town Woodbridge
	Melinda Lu	Grade 8	Town Woodbridge

Award	\$100 Honorable Mention		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Artificial Pancreas to Regulate Blood Sugar Levels		
Proj. No.	4025		
Student(s)	Anchal Bahel	Grade 8	Town Woodbridge
	Nina Carmeli	Grade 8	Town Woodbridge

Award	\$100 Honorable Mention		
School	Hamden High School	Hamden	Sophia Michalatos
Project Title	Diagnosing Parkinson's Disease with Artificial Intelligence		
Proj. No.	6004		
Student(s)	Akshar Agarwal	Grade 12	Town Hamden

Award	\$100 Honorable Mention		
School	Staples High School	Westport	Karen Thompson
Project Title	Optimization of High-Efficiency Organic-Inorganic Lead Halide Perovskite Solar Cells via a Novel Polycaprolactone Additive Pathway		
Proj. No.	6510		
Student(s)	Sirina Prasad	Grade 12	Town Westport
	Anisa Prasad	Grade 12	Town Westport

Award	\$250 Honors Award -Senior		
School	Kent School	Kent	Ben Nadire
Project Title	Intuitive Control Algorithm Development of 4WIS/4WID Using A SpaceMouse		
Proj. No.	6048		
Student(s)	Taewook Kim	Grade 11	Town Kent

Award	\$250 Honors Award -Junior		
School	Sacred Heart School	Groton	Dr. Juan Pacheco
Project Title	Building a Better Hearing Aid Using Noise Cancellation		
Proj. No.	5523		
Student(s)	Payton Noe	Grade 8	Town East Lyme

Institute of Food Technologists, Nutmeg Section

Award	\$50 award + invitation to Awards Night Dinner with guest		
School	Sacred Heart Academy	Hamden	Sibani Sengupta
Project Title	In Search of the Perfect Broth : Investigating the Effect of Cook Time on Glutamate levels in Bone Broth		
Proj. No.	3073		
Student(s)	Nikita Khanna	Grade 9	Town Derby

Award	\$50 award + invitation to Awards Night Dinner with guest		
School	Sacred Heart Academy	Hamden	Dr. Sibani Sengupta
Project Title	Exploring the World of Healing Herbs: Comparison of Antibacterial Properties in Coriandem Sativum, Ocimum Basilicum and Rosmarinus Officinalis		
Proj. No.	3110		
Student(s)	Mehr Chhatre	Grade 9	Town Hamden

Award	\$50 award + invitation to Awards Night Dinner with guest		
School	Norwich Technical High School	Norwich	Ms. Pelloni
Project Title	Generation of probiotic strains with increased lactose degradation capabilities for lactose-free yogurt production		
Proj. No.	3507		
Student(s)	Jace Goodrow	Grade 11	Town Lisbon
	Michel Hernandez	Grade 11	Town Norwich
	Hailey Bill	Grade 12	Town Baltic

Intel Excellence in Computer Science Award

Award	\$200 & certificate		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Creation and Development of a Neural Network to Diagnose Alzheimer's Disease and Dementia		
Proj. No.	3028		
Student(s)	Jamison Meindl	Grade 11	Town Riverside

Award	\$200 & certificate		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
Project Title	A Novel Activation Function for a Convolutional Neural Network Implemented Without Machine Learning Libraries		
Proj. No.	6052		
Student(s)	Aresh Pourkavoos	Grade 10	Town Avon

Award	\$200 & certificate		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Measuring Convexnesses of Electoral Districts Using Graph Theory to Flag Potentially Gerrymandered Districts		
Proj. No.	6068		
Student(s)	Sam Florin	Grade 10	Town Greenwich

ISA - International Society for Automation - Ct. Valley Section

Award	1st - \$125 award		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Artificial Pancreas to Regulate Blood Sugar Levels		
Proj. No.	4025		
Student(s)	Anchal Bahel	Grade 8	Town Woodbridge
	Nina Carmeli	Grade 8	Town Woodbridge

Award	2nd - \$75 award		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Coral Explorer		
Proj. No.	4009		
Student(s)	Zoe Fleischman	Grade 8	Town Woodbridge
	Aadya Wijesekera	Grade 8	Town Bethany

Award	3rd - \$50 award		
School	Christian Heritage School	Trumbull	203-217-7498
Project Title	Building and Testing a Radon Daughter Collector and Detector		
Proj. No.	6098		
Student(s)	Mia Angelini	Grade 11	Town Trumbull

J.A. Augustine Award

Award	\$100 for excellence in biology		
School	Talcott Mountain Academy	Avon	Brigette Zacharczenko
Project Title	Defensive Behavior of Tobacco Hornworm Caterpillars		
Proj. No.	2520		
Student(s)	Tyler Andrews	Grade 8	Town Torrington

Award	\$100 for excellence in physical sciences		
School	St. Thomas Aquinas Catholic School	Fairfield	Philip Flynn
Project Title	Wind Energy		
Proj. No.	4007		
Student(s)	Andrew Cimmino	Grade 8	Town FAIRFIELD
	Joshua Dixon	Grade 8	Town Bridgeport

John S. Kendall Memorial Awards

Award	\$300 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School		
School	St. Aloysius School	New Canaan	Deborah Phillips
Project Title	Remote Control Ceiling Car		
Proj. No.	5011		
Student(s)	Sofie Brauweiler	Grade 7	Town New Canaan

Award	\$500 John S. Kendall Award for Excellence In Mechanical Engineering - High School		
School	Newtown High School	Sandy Hook	Timothy DeJulio
Project Title	Computational Fluid Dynamics Study of Turbulence		
Proj. No.	6083		
Student(s)	Bryan Ingwersen	Grade 12	Town Sandy Hook

Jon Stone Memorial Award

Award	\$100 cash for Innovative Engineering		
School	Middlebrook Middle School	Wilton	Mrs. Garcia
Project Title	Alternative Household Method to Extinguish Fires		
Proj. No.	5502		
Student(s)	Keerthi Vijay	Grade 8	Town Wilton

Award	\$100 cash for Innovative Engineering		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Development of Highly-Efficient, Earth-Abundant Crystalline Perovskite - Carbon Film Solar Cells		
Proj. No.	6017		
Student(s)	Anne-Emilie Rouffiac	Grade 11	Town Greenwich

Lunch with a Patent Attorney

Award	Lunch with a Patent Attorney		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive		
Proj. No.	3007		
Student(s)	Raina Jain	Grade 11	Town Riverside

Award	Lunch with a Patent Attorney		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Rapid, Smartphone-Based Diagnosis of Skin Melanoma through Differences in Tumor Cell Thermal Regulation Combined with Diffuse Spectroscopic Analysis		
Proj. No.	3030		
Student(s)	Melissa Woo	Grade 11	Town Riverside

Maplesoft Awards for Applied Mathematics and Modeling

Award Maple software - For Excellence in Mathematics

School **The Loomis Chaffee School** Windsor **Koby Osei-Mensah**

Project Title A Novel Activation Function for a Convolutional Neural Network Implemented Without Machine Learning Libraries

Proj. No. **6052**

Student(s) Aresh Pourkavoos Grade 10 Town Avon

Award Maple software - For Excellence in Mathematics

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

Project Title Computational Fluid Dynamics Study of Turbulence

Proj. No. **6083**

Student(s) Bryan Ingwersen Grade 12 Town Sandy Hook

Meyerand Young Woman Scientist Awards

Award \$300 cash - High School, Life Sciences

School **Joel Barlow High School** Redding **Paul Testa**

Project Title The effect of Deuterium oxide (D2O) on the viability of Coliphage bacteriophages under Low temperatures as a model for stability in live attenuated viral vaccines

Proj. No. **3061**

Student(s) Annika Morgan Grade 12 Town Redding

Award \$300 cash - High School, Physical Sciences

School **Danbury High School** Danbury **Meghan Bresson**

Project Title Engineering a Polylectic Biomimetic Micro Aerial Vehicle to Pollinate Flowers

Proj. No. **6063**

Student(s) Khushi Parikh Grade 9 Town Danbury

Award \$300 cash - Middle School Life Sciences

School **Hamden Hall Country Day School** Hamden **Dr. Gasparro**

Project Title Does Dog Saliva Kill Germs & What Else Might?

Proj. No. **2019**

Student(s) Lorraine Hillgen-Santa Grade 7 Town Stratford

Award	\$300 cash - Middle School, Physical Sciences		
School	St. Mary School	Bethel	Kate McDonald
Project Title	#SAVETHESIP		
Proj. No.	5518		
Student(s)	Kerry Tuccinardi	Grade 8	Town Bethel

Milton Fisher Science Fair Award for Innovation and Creativity

Award	For Excellence in Creativity and Innovation by a High School student, \$200 cash		
School	Greens Farms Academy	Greens Farms	Mathieu Freeman
Project Title	The Effects of Mobile Phone Induced Radiation on Honeybee Behavior		
Proj. No.	3104		
Student(s)	Quinn Mullineaux	Grade 12	Town Fairfield

Award	For Excellence in Creativity and Innovation by a Middle School student, \$100 cash		
School	Greens Farms Academy	Greens Farms	Ms. Modupe Oshin
Project Title	Mobility Assistance Device for the Visually Impaired		
Proj. No.	5003		
Student(s)	Chad Ruggiero	Grade 7	Town Greenwich, CT

MIT Club of Hartford K-12 Initiative

Award	For excellence in science & technology of energy related research, high school, \$100 cash award		
School	St. Gregory the Great School	Danbury	Christine Fahey
Project Title	Testing Different Nano-Particle Inks as Electrodes in a Sunlight-Seeking. Printed, Bio-Photovoltaic System		
Proj. No.	5517		
Student(s)	Maximilien Coisman	Grade 8	Town Danbury

Award	For excellence in science & technology of energy related research, middle school, \$100 cash award		
School	Staples High School	Westport	Karen Thompson
Project Title	Optimization of High-Efficiency Organic-Inorganic Lead Halide Perovskite Solar Cells via a Novel Polycaprolactone Additive Pathway		
Proj. No.	6510		
Student(s)	Sirina Prasad	Grade 12	Town Westport
	Anisa Prasad	Grade 12	Town Westport

Mu Alpha Theta

Award	Certificate, \$25 gift card given by CSEF		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Creation and Development of a Neural Network to Diagnose Alzheimer's Disease and Dementia		
Proj. No.	3028		
Student(s)	Jamison Meindl	Grade 11	Town Riverside

Award	Certificate, \$25 gift card given by CSEF		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
Project Title	A Novel Activation Function for a Convolutional Neural Network Implemented Without Machine Learning Libraries		
Proj. No.	6052		
Student(s)	Aresh Pourkavoos	Grade 10	Town Avon

Award	Certificate, \$25 gift card given by CSEF		
School	Academy of Aerospace and Engineering	Windsor	Dr. Bellinger
Project Title	The Effect of Hydrofoil Design Parameters on Dynamic Behavior and Energy Extraction Efficiency of an Oscillating Hydrofoil Power Generation Unit		
Proj. No.	6511		
Student(s)	Christopher Rinaldi	Grade 12	Town Enfield
	Abhiram Tirumala	Grade 12	Town South Windsor

Mystic Aquarium - Sea Research Foundation

Award	\$100 and 4 Admission Tickets to Mystic Aquarium		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Oil Containment following an Accidental Spill: Temporarily preventing the spread of crude oil in Aquatic Environments		
Proj. No.	6046		
Student(s)	Lucas Delgado	Grade 11	Town Riverside

NASA EARTH System Science Award

Award	Certificate and \$25 gift card given by CSEF		
School	Christian Heritage School	Trumbull	Daniel Cote
Project Title	Use of Bioluminescent Dinoflagellates to Detect Water Contaminants		
Proj. No.	2529		
Student(s)	Samuel Tsao	Grade 8	Town OLD GREENWICH

Award	Certificate and \$25 gift card given by CSEF		
School	Talcott Mountain Academy	Avon	Brigette Zacharczenko
Project Title	Survey of Common Types of Cyanobacteria and its Toxins Found in the Recreational Areas of CT		
Proj. No.	2530		
Student(s)	Anishka Perera	Grade 8	Town Torrington

National Oceanic and Atmospheric Administration

Award	Certificate and \$25 gift card given by CSEF		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Recovering Energy From an A/C Unit Condenser Exhaust Fan		
Proj. No.	5025		
Student(s)	Elle Okoney	Grade 7	Town Bozrah

Award	Certificate and \$25 gift card given by CSEF		
School	St. Gregory the Great School	Danbury	Christine Fahey
Project Title	Testing Different Nano-Particle Inks as Electrodes in a Sunlight-Seeking, Printed, Bio-Photovoltaic System		
Proj. No.	5517		
Student(s)	Maximilien Coisman	Grade 8	Town Danbury

Award	Certificate and \$25 gift card given by CSEFF		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	The Study of Effectiveness of Different Separation Methods in Removing Suspended Microplastics from Water		
Proj. No.	5509		
Student(s)	Srishti Ramakrishnan	Grade 8	Town Danbury

NYUC Pony Club Equine Award

Award	\$100 Cash Award or excellence in equine studies		
School	Science and Technology Magnet High	New London	Isabella Moniz
Project Title	The Correlation Between Nitrogenous Species and the Aboveground and Belowground Biomass of Spartina alterniflora (common cordgrass) in a restored Salt Marsh, Barn Island, CT		
Proj. No.	3070		
Student(s)	Sara Bouchard	Grade 11	Town Waterford

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

Award	High School- Certificate, \$75.00 gift certificate given by ONR		
School	Joel Barlow High School	Redding	Paul Testa
Project Title	Analysis of PHA Plastic Biodegradation in Marine Environments		
Proj. No.	3049		
Student(s)	Zachary Shortt	Grade 11	Town Easton

Award	High School- Certificate, \$75.00 gift certificate given by ONR		
School	Fairfield College Preparatory School	Fairfield	Mrs. Kiel
Project Title	Oil Spill Bioremediation		
Proj. No.	3068		
Student(s)	Antonios Boudreau	Grade 10	Town Ansonia

Award	High School- Certificate, \$75.00 gift certificate given by ONR		
School	Sacred Heart Academy	Hamden	Dr. Sibani Sengupta
Project Title	Exploring the World of Healing Herbs: Comparison of Antibacterial Properties in Coriandem Sativum, Ocimum Basilicum and Rosmarinus Officinalis		
Proj. No.	3110		
Student(s)	Mehr Chhatre	Grade 9	Town Hamden

Award	High School- Certificate, \$75.00 gift certificate given by ONR		
School	Bridgeport Regional Aquaculture Center -	Bridgeport	Mr. Shadle
Project Title	Development of Self Adjusting Slip Clutch Vertical Axis Wind Turbine to Eliminate Torque Damage in High Wind Speeds		
Proj. No.	6026		
Student(s)	Gavin Krois	Grade 12	Town Milford

Award	High School- Certificate, \$75.00 gift certificate given by ONR		
School	Academy of Aerospace and Engineering	Windsor	Dr. Bellinger
Project Title	The Effect of Design Parameters and Operating Conditions on Optimal Energy Conversion and Force Generation in a Magneto-hydrodynamic Drive		
Proj. No.	6058		
Student(s)	Vishakh Talanki	Grade 12	Town South Windsor

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

School Newtown High School Sandy Hook Timothy DeJulio

Project Title Computational Fluid Dynamics Study of Turbulence

Proj. No. 6083

Student(s) Bryan Ingwersen **Grade** 12 **Town** Sandy Hook

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

School St. Mark School Stratford Mrs. Lynn Olins

Project Title Deep Freeze Cell-e-bration (Cell cryopreservation in salt and sugar)

Proj. No. 2509

Student(s) Elizabeth Long **Grade** 8 **Town** Milford

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

School Sacred Heart School Groton Dr. Pacheco

Project Title Which fruit contains the most vitamin c?

Proj. No. 2513

Student(s) Jazmyn Towpasz **Grade** 8 **Town** Groton

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

School Westside Middle School Academy Danbury Mr. Neuhausel

Project Title Good Up High, Bad Near By

Proj. No. 5005

Student(s) Annabella Jardim **Grade** 7 **Town** Danbury

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

School St. Rose of Lima School Newtown Mrs. Valerie Petrillo

Project Title How Does the Shape of an Airplane Affect Its Speed and Lift?

Proj. No. 5029

Student(s) Rohan Carey **Grade** 7 **Town** Sandy Hook

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

School St. Gabriel School Windsor Margaret Rosa

Project Title Don't Keep Me in Suspense

Proj. No. 5036

Student(s) Ben Owen **Grade** 7 **Town** Windsor

Otero Family Award

Award	The Otero Family Award; \$200 cash		
School	Wilbur Cross High School	New Haven	Nick Farrell
Project Title	Developing a Functional Tracheal Replacement Graft: Studying the Effects of Graft Stiffness on Host Response		
Proj. No.	3052		
Student(s)	Sophie Edelstein	Grade 12	Town New Haven

Peer-to-Peer Awards

Award	7th Grade Life Sciences - \$300 Amazon Gift Card		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	Design, testing, and optimization of Kombucha scoby-based biofilms.		
Proj. No.	2020		
Student(s)	Gabriella Brown	Grade 7	Town Danbury

Award	8th Grade Life Sciences - \$300 Amazon Gift Card		
School	Environmental Sciences Magnet School at	Hartford	Becca Hays
Project Title	Artemia Vs. Ocean Acidification		
Proj. No.	2527		
Student(s)	Brianna Sanchez	Grade 8	Town enfield

Award	High School Life Sciences - \$300 Amazon Gift Card		
School	Joel Barlow High School	Redding	Paul Testa
Project Title	The effect of Deuterium oxide (D2O) on the viability of Coliphage bacteriophages under Low temperatures as a model for stability in live attenuated viral vaccines		
Proj. No.	3061		
Student(s)	Annika Morgan	Grade 12	Town Redding

Award	High School Life Sciences - \$300 Amazon Gift Card		
School	Greens Farms Academy	Greens Farms	Mathieu Freeman
Project Title	The Effects of Mobile Phone Induced Radiation on Honeybee Behavior		
Proj. No.	3104		
Student(s)	Quinn Mullineaux	Grade 12	Town Fairfield

POWER Engineers

Award	\$200 for “ Excellence in Electrical Engineering- emphasis on Power Electronics” - High School		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Development of Highly-Efficient, Earth-Abundant Crystalline Perovskite - Carbon Film Solar Cells		
Proj. No.	6017		
Student(s)	Anne-Emilie Rouffiac	Grade 11	Town Greenwich

Award	\$200 for “ Excellence in Electrical Engineering- emphasis on Power Electronics” - Middle School		
School	Fields Memorial School	Bozrah	Mrs. E Brown
Project Title	Piezo Energy Collection from Quake Vibrations		
Proj. No.	5526		
Student(s)	Alanna Brady	Grade 8	Town Bozrah

Project Oceanology

Award	Individual - 1 Ocean Camp slot + T-Shirt & cap, First Place Junior		
School	Environmental Sciences Magnet School at	Hartford	Becca Hays
Project Title	Artemia Vs. Ocean Acidification		
Proj. No.	2527		
Student(s)	Brianna Sanchez	Grade 8	Town enfield

Award	Individual - 1 Ocean Camp slot + T-Shirt & cap, First Place Senior		
School	Science and Technology Magnet High	New London	Isabella Moniz
Project Title	The Correlation Between Nitrogenous Species and the Aboveground and Belowground Biomass of Spartina alterniflora (common cordgrass) in a restored Salt Marsh, Barn Island, CT		
Proj. No.	3070		
Student(s)	Sara Bouchard	Grade 11	Town Waterford

Ricoh Americas Corporation

Award	Certificate, \$25 Amazon gift card given by CSEF		
School	St. Thomas Aquinas Catholic School	Fairfield	Philip Flynn
Project Title	Wind Energy		
Proj. No.	4007		
Student(s)	Andrew Cimmino	Grade 8	Town FAIRFIELD
	Joshua Dixon	Grade 8	Town Bridgeport

Award Certificate, \$25 Amazon gift card given by CSEF

School Scofield Magnet Middle School Stamford Louise McMinn

Project Title Water Quality of the Rippowam River

Proj. No. 5022

Student(s) Aryan Pandalai **Grade** 7 **Town** Stamford

Award Certificate, \$25 Amazon gift card given by CSEF

School St. Mark School Stratford Mrs. Olins

Project Title Erosion in Motion

Proj. No. 5504

Student(s) Peter Pigliucci **Grade** 8 **Town** Shelton

Robert Francoeur Memorial Award

Award Creative or innovative project in electrical engineering or computer science by female students - \$200

School Fields Memorial School Bozrah Mrs. Evelyn Brown

Project Title Facial Recognition using Raspberry Pi and Python

Proj. No. 5530

Student(s) Leah Manke **Grade** 8 **Town** Bozrah

Award Creative or innovative project in electrical engineering or computer science by female students - \$200

School Amity Regional High School Woodbridge Catherine Piscitelli

Project Title Developing Age Detection Software Based on Touch Behavior

Proj. No. 6012

Student(s) Kate Yuan **Grade** 12 **Town** Woodbridge

Robotics And Beyond

Award HS- For Excellence in Material Science- \$200 for Robotics And Beyond STEM Design Camp or Academy

School Greenwich High School Greenwich Andrew Bramante

Project Title Single-Use, Insulative Tableware Made from Cornstarch and a Hydrophobic Edible Thin Film, as a Biodegradable Replacement for Styrofoam

Proj. No. 6089

Student(s) Tyler Fox **Grade** 11 **Town** Cos Cob

Award HS- For Excellence in Physics- \$200 for Robotics And Beyond STEM Design Camp or Academy

School **Academy of Aerospace and Engineering** **Windsor** **Dr. Bellinger**

Project Title The Effect of Piezoelectric Cantilever Beam Design and Spatial Positioning in a Network on the Efficiency and Maximum Energy Output of a Vibro Wind Unit.
Proj. No. **6092**

Student(s) Jean Pasato **Grade** 12 **Town** Middletown

Award MS- For Excellence in Engineering Design- \$200 for Robotics And Beyond STEM Design Academy in July

School **Kent School** **Kent** **Ben Nadire**

Project Title Intuitive Control Algorithm Development of 4WIS/4WID Using A SpaceMouse
Proj. No. **6048**

Student(s) Taewook Kim **Grade** 11 **Town** Kent

Samantha Freeman Award for Excellence in Sports Science or Engineering

Award For Excellence in Sports Science or Engineering by a High School student, \$125 cash

School **Christian Heritage School** **Trumbull** **Mr. Cote**

Project Title The Effect of Magnets on the Performance of Bike Suspensions
Proj. No. **6042**

Student(s) William Parrish **Grade** 11 **Town** Milford

Award For Excellence in Sports Science or Engineering by a Middle School student, \$125 cash

School **Shelton Intermediate School** **Shelton** **Dr. Napoli**

Project Title Power Up Baseball Hits
Proj. No. **5554**

Student(s) Kenneth Supersano **Grade** 8 **Town** Shelton

Schoepfer Award for Excellence in Local Aquatic Science

Award For excellence in a local water quality study, \$100 cash

School **Talcott Mountain Academy** **Avon** **Brigette Zacharczenko**

Project Title Survey of Common Types of Cyanobacteria and its Toxins Found in the Recreational Areas of CT
Proj. No. **2530**

Student(s) Anishka Perera **Grade** 8 **Town** Torrington

Sister Mary Christine Life Sciences Award

Award \$100 for excellence in the life sciences by a catholic middle school project

School **St. Gregory the Great School** **Danbury** **Mrs. Fahey**

Project Title ONE MAN'S TRASH IS ANOTHER MAN'S ENERGY

Proj. No. **2518**

Student(s) Thomas Fanelli **Grade** 8 **Town** Danbury

Award \$150 for excellence in the life sciences by a catholic high school project

School **Sacred Heart Academy** **Hamden** **Dr. Sibani Sengupta**

Project Title Exploring the World of Healing Herbs: Comparison of Antibacterial Properties in Coriandem Sativum, Ocimum Basilicum and Rosmarinus Officinalis

Proj. No. **3110**

Student(s) Mehr Chhatre **Grade** 9 **Town** Hamden

Society for In Vitro Biology

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

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

Project Title Design of a Dual-Acting Riboflavin and UV-Enhanced Contact Lens Disinfecting System

Proj. No. **3088**

Student(s) Justin Speaker **Grade** 11 **Town** Greenwich

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

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

Project Title Rapid, Low-cost, Paper-based Immunosensor for Early Detection of Dengue Virus via Salivary Dengue NS1 Antigen

Proj. No. **3106**

Student(s) Matthew Jester **Grade** 11 **Town** Greenwich

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

School **Hopkins School** **New Haven** **Philip Stewart**

Project Title Finding a therapy for Wolfram Syndrome: Exploring a calcium signaling pathway as a target for a disease without a cure.

Proj. No. **3107**

Student(s) Saira Munshani **Grade** 11 **Town** Easton

Society of Women Engineers - Hartford Section

Award	Scientific Calculator		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Recovering Energy From an A/C Unit Condenser Exhaust Fan		
Proj. No.	5025		
Student(s)	Elle Okoney	Grade 7	Town Bozrah

Award	Scientific Calculator		
School	Worthington Hooker Middle School	New Haven	Mr. Jones
Project Title	Saving The Ocean: 700,000 Microplastics at a Time		
Proj. No.	5540		
Student(s)	Athena Brown	Grade 8	Town New Haven

Award	Scientific Calculator		
School	Greenwich Country Day School	Greenwich	Sam Rosenfeld
Project Title	Tracking Plastic Bottles on Blockchain - Better Environmental Policies and Accountability through Economic and Accurate, Real-Time Management		
Proj. No.	5553		
Student(s)	C. Brooks Harris	Grade 8	Town Greenwich

Award	Scientific Calculator		
School	CT STEM Fair - Amity Regional High School	Redding	Deborah Day
Project Title	Real-Time Sinkhole detection using Civil Engineering techniques, the Internet of Things (IoT), and Artificial Intelligence		
Proj. No.	6005		
Student(s)	Sophia Wang	Grade 11	Town Woodbridge

Southeastern New England Marine Educators (SEMEME)

Award	\$100 award and membership in SEMEME - 1st Place Junior & T-Shirt		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Purifying Grey Water Using a Constructed Wetland		
Proj. No.	2528		
Student(s)	Nell Grant	Grade 8	Town Woodbridge

Award \$100 award and membership in SENEME - 1st Place Senior & T-Shirt

School Sacred Heart Academy Hamden Dr. Sibani Sengupta

Project Title The Effect of Sucrose on Inhibiting Photosynthetic Pigments Found in Invasive Algae

Proj. No. 3044

Student(s) Julianna Milidantri Grade 11 Town Durham

Spirit of Invention Award

Award \$100 Cash and Plaque for Inventive Concepts

School Amity Middle School - Bethany Bethany Kevin Berean

Project Title Coral Explorer

Proj. No. 4009

Student(s) Zoe Fleischman Grade 8 Town Woodbridge

Aadya Wijesekera Grade 8 Town Bethany

Stanley Lessoff Award for Excellence In Analytical Technique

Award \$100 Cash and Plaque

School Greenwich High School Greenwich Mr. Andy Bramante

Project Title Using Vibrational Spectroscopy to Analyze DNA in Museum-type Bone Specimens

Proj. No. 6094

Student(s) John Trudeau Grade 9 Town Greenwich

Stockholm Junior Water Prize

Award Certificate, \$25 gift card by CSEF, possible advance to further competition

School Manchester High School Manchester Megan Rader

Project Title Nitrate absorbing plants effect on acidic water

Proj. No. 3076

Student(s) Cambria Andrews Grade 12 Town Manchester

Award	Certificate, \$25 gift card by CSEF, possible advance to further competition		
School	Brunswick School	Greenwich	Dana Montanez
Project Title	Developing an Organic Buffer System to Negate Oceanic Algal Blooms and Acidification		
Proj. No.	3505		
Student(s)	Colin Mulshine	Grade 10	Town Riverside
	Brooks Ferguson	Grade 10	Town Greenwich

Award	Certificate, \$25 gift card by CSEF, possible advance to further competition		
School	Bridgeport Regional Aquaculture Center -	Bridgeport	Mr. Shadle
Project Title	Biofiltration of Ferric Iron Utilizing Citrus Biowaste to Mitigate Freshwater Harmful Algal Blooms.		
Proj. No.	6032		
Student(s)	Malcolm Katz	Grade 12	Town Fairfield

Award	Certificate, \$25 gift card by CSEF, possible advance to further competition		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Portable, Simple Filtration of (Modeled) V. cholerae Infected Water using Electrified, Silver-SWCNT Nanostructures within a Sari-Cloth Textile		
Proj. No.	6036		
Student(s)	Shun Sakai	Grade 11	Town Greenwich

Talcott Mountain Science Center & Academy

Award	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	Molecular Health Indices of the Kalmia Latifolia		
Proj. No.	2024		
Student(s)	Maria Eduarda Sousa Lopes	Grade 7	Town Danbury

Award	Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	The Study of Effectiveness of Different Separation Methods in Removing Suspended Microplastics from Water		
Proj. No.	5509		
Student(s)	Srishti Ramakrishnan	Grade 8	Town Danbury

Technical High School Science & Technology Awards

Award	For Technological Excellent for a Technical High School Project		
School	Platt Technical High School	Milford	Jessica Stamp
Project Title	Natural Disaster Relief Housing		
Proj. No.	6524		
Student(s)	Victoria St. Peter	Grade 10	Town Hamden
	Alyssa Ciarleglio	Grade 10	Town West Haven
	Johanatis Rivera	Grade 11	Town Bridgeport

Award	For Technological Excellent for a Technical High School Project		
School	Norwich Technical High School	Norwich	Ernest Todd
Project Title	Robotic Talking Head		
Proj. No.	6527		
Student(s)	Briana Diskin	Grade 11	Town Norwich
	Justin Relaz	Grade 12	Town Norwich

The Children's Museum

Award	1 family 4-Pack of Admission Passes to the Children's Museum		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Recovering Energy From an A/C Unit Condenser Exhaust Fan		
Proj. No.	5025		
Student(s)	Elle Okoney	Grade 7	Town Bozrah

The Goodwin-Niering Center for the Environment

Award	\$100 for "Excellence in Environmental Conservation Studies"		
School	Saint Joseph Catholic Academy	Brookfield	Marde Dimon
Project Title	HOW DOES THE TYPE OF FILTER AFFECT THE AMOUNT OF PHOSPHORUS SEPARATED FROM LANDSCAPE RUNOFF		
Proj. No.	5516		
Student(s)	Liam TeeKing	Grade 8	Town Brookfield

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

Award	The Karen J. Howell Middle School Award for “Learning and Serving” - \$1000		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Purifying Grey Water Using a Constructed Wetland		
Proj. No.	2528		
Student(s)	Nell Grant	Grade 8	Town Woodbridge

Tunxis Community College

Award	\$623 Course Tuition Voucher for HS Senior Sustainable Energy Project		
School	Science and Technology Magnet High	New London	Mr.Mulligan
Project Title	Correlations Between Home Insulator Composition and Potential Heat Retention		
Proj. No.	6034		
Student(s)	Jaylen Callender	Grade 10	Town uncasville

Award	\$623 Course Tuition Voucher for HS Senior Sustainable Energy Project		
School	E.O. Smith High School	Storrs	Cheryl Granger
Project Title	Designing an Efficient Roof-Mounted Wind Turbine System		
Proj. No.	6053		
Student(s)	Mathew Chandy	Grade 10	Town Storrs

Award	\$623 Course Tuition Voucher for HS Senior Sustainable Energy Project		
School	Suffield High School	Suffield	Mrs. Brown
Project Title	How Can Solar Power be Streamlined so it is More Cost Effective and Utilized Efficiently?		
Proj. No.	6060		
Student(s)	Haley Young	Grade 10	Town West Suffield

Award	\$623 Course Tuition Voucher for HS Senior Sustainable Energy Project		
School	Christian Heritage School	Trumbull	Mr. Cote
Project Title	Getting the Most Out of Solar Panels		
Proj. No.	6065		
Student(s)	Anda Liang	Grade 11	Town Trumbull

Award	\$623 Course Tuition Voucher for HS Senior Sustainable Energy Project		
School	Sacred Heart Academy	Hamden	Katherine Tubis
Project Title	Green, Clean, Solar Machine: An effective and Natural Way to Clean Solar Panels		
Proj. No.	6085		
Student(s)	Julia DiAngelo	Grade 9	Town Wallingford

Award	\$623 Course Tuition Voucher for HS Senior Sustainable Energy Project		
School	Fairchild Wheeler Interdistrict Magnet	Bridgeport	Ms. Good
Project Title	The Efficiency of Wind Turbine Blades		
Proj. No.	6522		
Student(s)	Mya Zayas	Grade 9	Town Bridgeport
	Chandini Kalidindi	Grade 9	Town Trumbull

Award	\$623 Course Tuition Voucher for HS Senior Sustainable Energy Project		
School	Platt Technical High School	Milford	Mrs. Stamp
Project Title	Flood Remediation In-House Dehumidification System		
Proj. No.	6528		
Student(s)	Alain Bolduc	Grade 11	Town Milford
	Adam-Nathaniel Soltis	Grade 11	Town Stratford
	Scott Clark	Grade 12	Town milford

TurnKey Compliance Solutions Environmental Awards

Award	\$200 Cash Award Middle School- For excellence in environmental sciences		
School	Christian Heritage School	Trumbull	Daniel Cote
Project Title	Use of Bioluminescent Dinoflagellates to Detect Water Contaminants		
Proj. No.	2529		
Student(s)	Samuel Tsao	Grade 8	Town OLD GREENWICH

Award	\$300 Cash Award High School- For excellence in environmental sciences		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive		
Proj. No.	3007	Entrancewav	
Student(s)	Raina Jain	Grade 11	Town Riverside

U.S. Air Force

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	Renzulli Academy	Hartford	Raymond Cocola
Project Title	Exhausted		
Proj. No.	2012		
Student(s)	Damarion Stanford	Grade 7	Town Hartford

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	Park City Prep Charter School	Bridgeport	Mrs. Boudreau
Project Title	Turmeric as an Antioxidant		
Proj. No.	2512		
Student(s)	Laniyah Schultz	Grade 8	Town Bridgeport

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	Fields Memorial School	Bozrah	Evelyn Brown
Project Title	Recovering Energy From an A/C Unit Condenser Exhaust Fan		
Proj. No.	5025		
Student(s)	Elle Okoney	Grade 7	Town Bozrah

Award	Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate		
School	Westside Middle School Academy	Danbury	J. Neuhausel
Project Title	DIY WiFi Booster		
Proj. No.	5027		
Student(s)	Chase Tomaino	Grade 7	Town Danbury

U.S. Metric Association

Award	Certificate & \$25 Amazon gift card given by CSEF		
School	Betsy Ross Arts Magnet School	New Haven	Roisin Macdonald
Project Title	From Clean to Clean		
Proj. No.	2532		
Student(s)	Matilda Pethrick	Grade 8	Town Stratford

Award	Certificate & \$25 Amazon gift card given by CSEF		
School	Bridgeport Regional Aquaculture Center	Bridgeport	Mr. Shadle
Project Title	Geospatial Analysis of the Martian Surface to Promote the Growth of Photosynthetic Exoagriculture		
Proj. No.	6093		
Student(s)	Nick Fawcett	Grade 12	Town Fairfield

Award	Certificate & \$25 Amazon gift card given by CSEF		
School	Staples High School	Westport	Karen Thompson
Project Title	Optimization of High-Efficiency Organic-Inorganic Lead Halide Perovskite Solar Cells via a Novel Polycaprolactone Additive Pathway		
Proj. No.	6510		
Student(s)	Sirina Prasad	Grade 12	Town Westport
	Anisa Prasad	Grade 12	Town Westport

Unilever Trumbull R&D

Award	Shadow Day at Unilever Trumbull R&D Centre		
School	Manchester High School	Manchester	Megan Rader
Project Title	Application of Cyanobacteria Anthrospira Platensis as a Polyfiber Biopaper		
Proj. No.	3024		
Student(s)	Tyler Greene	Grade 12	Town Manchester

Award	Shadow Day at Unilever Trumbull R&D Centre		
School	Amity Middle School - Bethany	Bethany	Kevin Berean
Project Title	Waste Watchers		
Proj. No.	4019		
Student(s)	Elise Sheehe	Grade 8	Town Bethany
	Audrey Cummings	Grade 8	Town Woodbridge
	Anushka Acharya	Grade 8	Town Bethany

University of Connecticut - Early College Experience

Award	UCONN Early College Experience Program: Frontiers in Science - Co-Op \$100 Gift Certificate		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Simple Creation of Portable Renewable Energy using a Recycled/Repurposed Water Bottle – C. reinhardtii Biophotovoltaic System		
Proj. No.	6002		
Student(s)	Zachary Wang	Grade 11	Town Greenwich

Award	UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate		
School	Science and Technology Magnet High	New London	Charles Mulligan
Project Title	The Efficiency Of Copper Removal Using Phytoremediation Techniques		
Proj. No.	3021		
Student(s)	Skyler Hatter	Grade 10	Town GROTON

Award	UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat		
School	Choate Rosemary Hall	Wallingford	Professor Yannis K. Semertzidis
Project Title	Beam Dynamics as a Function of Scraping Parameter Studies For the Muon g-2 Experiment at Fermilab/Chicago		
Proj. No.	6025		
Student(s)	Anjali Mangla	Grade 11	Town Cheshire

University of Connecticut Academic Excellence Scholarship

Award	Academic Excellence Scholarship - \$6,500 a year for four academic years- (\$26,000 total)		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive		
Proj. No.	3007		
Student(s)	Raina Jain	Grade 11	Town Riverside

University of Hartford

Award	University of Hartford Scholarship- For Excellence in Engineering, Science or Mathematics \$26,000		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive		
Proj. No.	3007		
Student(s)	Raina Jain	Grade 11	Town Riverside

Award	University of Hartford Scholarship- For Excellence in Engineering, Science or Mathematics \$26,000		
School	Greenwich High School	Greenwich	Andrew Bramante
Project Title	"Magnetically-Positioned, Lipase-Induced Degradation of Arterial Plaques with Simultaneous Smartphone Detection of Post-Dissolution Products."		
Proj. No.	3093		
Student(s)	Hiba Hussain	Grade 11	Town Old Greenwich CT

University of New Haven High School Awards in Engineering & Science

Award	\$100 For High School Project in Engineering: Electrical		
School	Amity Regional High School	Woodbridge	Catherine Piscitelli
Project Title	Designing and Testing an Aid for the Visually Impaired		
Proj. No.	6064		
Student(s)	Shyam Viswanathan	Grade 10	Town Woodbridge

Award	\$100 For High School Project in Biochemistry		
School	Wilbur Cross High School	New Haven	Nick Farrell
Project Title	Developing a Functional Tracheal Replacement Graft: Studying the Effects of Graft Stiffness on Host Response		
Proj. No.	3052		
Student(s)	Sophie Edelstein	Grade 12	Town New Haven

Award	\$100 For High School Project in Cell and Molecular Biology		
School	Greens Farms Academy	Greens Farms	Dr. Mathieu Freeman
Project Title	Trx2 Deficiency Induced Impaired Mitochondrial Integrity and Adipocyte Dysfunction		
Proj. No.	3111		
Student(s)	Grace McGonagle	Grade 12	Town Southport

Award	\$100 For High School Project in Chemistry		
School	Glastonbury High School	Glastonbury	Ms. Diane Pintavalle
Project Title	SELECTIVE OXIDATION OF BENZYL ALCOHOL TO BENZALDEHYDE USING A VANADIUM DOPED CERIA MESOPOROUS CATALYST		
Proj. No.	6091		
Student(s)	Ananya Aggarwal	Grade 11	Town South Glastonbury

Award	\$100 For High School Project in Computer Science		
School	The Loomis Chaffee School	Windsor	Koby Osei-Mensah
Project Title	A Novel Activation Function for a Convolutional Neural Network Implemented Without Machine Learning Libraries		
Proj. No.	6052		
Student(s)	Aresh Pourkavoos	Grade 10	Town Avon

Award \$100 For High School Project in Energy & Transportation

School Bridgeport Regional Aquaculture Center Bridgeport Mr. Shadle

Project Title Enhancing Dye Sensitized Solar Cell Efficiency Through the Application of a Silica Structure Microfilm Layer

Proj. No. 6001

Student(s) Camryn Mazerolle **Grade** 12 **Town** Shelton

Award \$100 For High School Project in Engineering: Mechanical

School Academy of Aerospace and Engineering Windsor Michelle Bellinger

Project Title Optimizing Archimedian screw geometry to increase the energy conversion efficiency of a micro hydropower plant.

Proj. No. 6530

Student(s) Devesh Kakkar **Grade** 11 **Town** South Windsor

Johnathan Bell **Grade** 11 **Town** Glastonbury

Award \$100 For High School Project in Environmental Science

School Greenwich High School Greenwich Andrew Bramante

Project Title Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive

Proj. No. 3007

Entranceway

Student(s) Raina Jain **Grade** 11 **Town** Riverside

Award \$100 For High School Project in Mathematics

School The Loomis Chaffee School Windsor Koby Osei-Mensah

Project Title A Novel Activation Function for a Convolutional Neural Network Implemented Without Machine Learning Libraries

Proj. No. 6052

Student(s) Aresh Pourkavoos **Grade** 10 **Town** Avon

Award \$100 For High School Project in Microbiology

School Sacred Heart Academy Hamden Dr. Sibani Sengupta

Project Title Exploring the World of Healing Herbs: Comparison of Antibacterial Properties in Coriandem Sativum, Ocimum Basilicum and Rosmarinus Officinalis

Proj. No. 3110

Student(s) Mehr Chhatre **Grade** 9 **Town** Hamden

Award \$100 For High School Project in Sustainability

School Bridgeport Regional Aquaculture Center Bridgeport Mr. Shadle

Project Title Sorption of Hydrogen Sulfide Contaminates Through Methyl Diethanolamine Doped Ceramic Beads Coupled With a Piperazine Catalyst

Proj. No. 6074

Student(s) Erica Carpenter **Grade** 12 **Town** Trumbull

Urban School Challenge 1st Place Middle School Awards

Award	Highest Placing 8th grader- GENIUS-Olympiad Competition -\$500 travel stipend (See Sponsor 421)		
School	Westside Middle School Academy	Danbury	Jonathan Neuhausel
Project Title	The Study of Effectiveness of Different Separation Methods in Removing Suspended Microplastics from Water		
Proj. No.	5509		
Student(s)	Srishti Ramakrishnan	Grade 8	Town Danbury

Award	USC Highest Placing 7th grader- Project Oceanology's Ocean Camp		
School	Westside Middle School Academy	Danbury	J. Neuhausel
Project Title	DIY WiFi Booster		
Proj. No.	5027		
Student(s)	Chase Tomaino	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	Christian Heritage School	Trumbull	203-217-7498
Project Title	Building and Testing a Radon Daughter Collector and Detector		
Proj. No.	6098		
Student(s)	Mia Angelini	Grade 11	Town Trumbull

Wisner Award

Award	\$350 cash		
School	Academy of Aerospace and Engineering	Windsor	Dr. Lili Aramli
Project Title	How can commercially available consumer-level modern wearable technology devices be adapted and applied to the biomedical field?		
Proj. No.	6009		
Student(s)	Rishan Annadurai	Grade 11	Town Newington

Yale Peabody Museum

Award	Family "six-pack" of free passes to the Yale Peabody Museum		
School	Bi-Cultural Hebrew School	Stamford	Chris Graseck
Project Title	What Nutrients Help Azolla Grow? How Can We Use This To Fight Climate Change?		
Proj. No.	2001		
Student(s)	Esther Goldstein	Grade 7	Town Ridgefield

Award Family "six-pack" of free passes to the Yale Peabody Museum

School **Saint Joseph Catholic Academy** **Brookfield** **Mrs. Dimon**

Project Title The Effect of Fertilizer on Algae

Proj. No. **2502**

Student(s) Sania Toprani **Grade** 8 **Town** New Milford

Award Family "six-pack" of free passes to the Yale Peabody Museum

School **St. Gregory the Great School** **Danbury** **Mrs. Christine Fahey**

Project Title The Effects of Oil on the Removal of Microplastics From Water

Proj. No. **2503**

Student(s) Aiden Doolabh **Grade** 8 **Town** Danbury

Award Family "six-pack" of free passes to the Yale Peabody Museum

School **Betsy Ross Arts Magnet School** **New Haven** **Roisin Macdonald**

Project Title From Clean to Clean

Proj. No. **2532**

Student(s) Matilda Pethrick **Grade** 8 **Town** Stratford

Award Family "six-pack" of free passes to the Yale Peabody Museum

School **Joel Barlow High School** **Redding** **Paul Testa**

Project Title Analysis of PHA Plastic Biodegradation in Marine Environments

Proj. No. **3049**

Student(s) Zachary Shortt **Grade** 11 **Town** Easton

Award One-Year Family Membership to the Yale Peabody Museum

School **Fields Memorial School** **Bozrah** **Mrs. Evelyn Brown**

Project Title A Gravimetric and Microscopic Analysis of the Decomposition Rates of Leaves from Different Species of Trees in Varied Climates.

Proj. No. **2508**

Student(s) Norah Tracy **Grade** 8 **Town** Gilman

Award One-Year Family Membership to the Yale Peabody Museum

School **Science and Technology Magnet High** **New London** **Isabella Moniz**

Project Title The Correlation Between Nitrogenous Species and the Aboveground and Belowground Biomass of *Spartina alterniflora* (common cordgrass) in a restored Salt Marsh, Barn Island, CT

Proj. No. **3070**

Student(s) Sara Bouchard **Grade** 11 **Town** Waterford

Yale Science & Engineering Association, Inc.

Award	1 Certificate, Medallion and 1- \$25 gift card given by CSEF		
School	CT STEM Fair - Amity Regional High School	Redding	Deborah Day
Project Title	Real-Time Sinkhole detection using Civil Engineering techniques, the Internet of Things (IoT), and Artificial Intelligence		
Proj. No.	6005		
Student(s)	Sophia Wang	Grade 11	Town Woodbridge

Zepke Awards

Award	\$100 - For the Best Use of Electronic Circuitry- Middle School		
School	Sacred Heart School	Groton	Dr. Juan Pacheco
Project Title	Building a Better Hearing Aid Using Noise Cancellation		
Proj. No.	5523		
Student(s)	Payton Noe	Grade 8	Town East Lyme

Award	\$125 - For the Best Use of Electronic Circuitry- Senior High		
School	Amity Regional High School	Woodbridge	Catherine Piscitelli
Project Title	Designing and Testing an Aid for the Visually Impaired		
Proj. No.	6064		
Student(s)	Shyam Viswanathan	Grade 10	Town Woodbridge