



Connecticut Science & Engineering Fair

Quinnipiac University

March 2 - 14, 2026

Winning Projects

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

Awards Legend

Honors = 1st, 2nd, or 3rd honors
(Projects with 1st honors are Finalists in Life or Physical Science)

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Avon	Avon High School	John Salerni	3119	LS	2	Hyper-Activated Interferon Pathways in Asthmatic B Cells Contribute to Exaggerated Immune Response		
					Student(s)	Aarika Bhava	Grade	11 Town Avon
* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion								
Avon	Avon High School	John Salerni	3085	LS	2	Automated Detection of Pulmonary Nodules in Computed Tomography Scans Using Deep Learning to Reduce Radiologist Workload		
					Student(s)	Nathaniel Lee	Grade	11 Town Avon
* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion								
Avon	Avon High School	John Salerni	3172	LS	3	Integrating Copy Number Alterations and Transcriptomics with Machine Learning Improves Survival Prediction in HPV-negative Head and Neck Cancer		
					Student(s)	Vishnu Mukku	Grade	11 Town Avon
* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion								
Avon	Avon High School	John Salerni	3076	LS	1	Static and Dynamic Functional Connectivity Within and Cross Reading and Default Mode Networks in Children Varying in Family Risk for Dyslexia and Reading		
					Student(s)	Mridhulaa Rajagopal	Grade	12 Town Avon
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
Avon	Avon High School	John Salerni	6103	PS	3	Adaptive Machine Learning-Driven Waste Management System		
					Student(s)	Karthikeyen Suresh Nagan	Grade	10 Town Avon
* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion								

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Avon Talcott Mountain Science Center Kaitlyn Roberts

5003	P7	1	Engineering A Durable Algae-Argonite Alkalinity System To Reduce CO2 Driven Ocean Acidification and Enhance Biological Resilience In Coastal Marine Ecosystems
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Student(s) Raji Doshi **Grade 7** **Town** Farmington

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 3rd Place MS- \$100, Trophy
- * Alexion Biotechnology Awards --- 1st Place Biotechnology 7th grade - \$200, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * Southeastern New England Marine Educators (SENEME) --- \$100 award and membership for student and teacher in SENEME - 1st Place Junior
- * Freeman Family Excellence in Chemistry Awards --- \$100 For Excellence in Chemistry or Chemical Engineering - Middle School
- * Susan and Stanley Lessoff Memorial --- Susan and Stanley Lessoff Memorial Award - \$250 Cash MS

Avon Talcott Mountain Science Center Brigette Zacharczenko

2005	L7	1	Sensory Triggers of Defensive Behavior in Manduca seat
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Student(s) Sheldon Hsiao **Grade 7** **Town** Farmington

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences 7th grade- \$150 & trophy
- * Alexion Biotechnology Awards --- 5th Place Biotechnology 7th grade - trophy

Avon Talcott Mountain Science Center Brigette Zacharczenko

2001	L7	1	Operation Brine Shrimp: Optimizing Life Conditions
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Student(s) Nikhil Krishnamurthy **Grade 7** **Town** Avon

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences 7th grade- \$100 & trophy
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion

Avon Talcott Mountain Science Center Kenneth Wright

2504	L8	3	A Cognitive Analysis of Social Media Engagement and Multitasking Behaviors in Adult Attention and Focus Endurance
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Student(s) Dean Raptis **Grade 8** **Town** West Hartford

- * Infosys Foundation Computer Science Awards --- Middle School Finalist - Medallion

Bethel Bethel High School Raymond Turek

6046	PS	3	The Effect of Hydroxyapatite Concentration Within Dentistry Composite Resin on the Wear, Acidic Erosion, and Discoloration on a Synthetic Tooth.
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Student(s) Amanda Almeida **Grade 12** **Town** Bethel

- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- * University of Connecticut - Early College Experience --- UCONN Early College Experience Program: Frontiers in Science - \$100 Cash

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bethel Bethel High School Ray Turek
 6003 PS 2 Fleet for Localized Atmospheric Research and Environmental Surveillance (FLARES): Autonomous drones and machine learning working for a cleaner environment.

Student(s) Toshan Bhattacharya **Grade** 11 **Town** Bethel

- * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- * University of New Haven Scholarship Awards --- \$120,000, 4 year scholarship (\$30,000 per year) to University of New Haven for exemplary 11th grade project
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related

Bethel Bethel High School Raymond Turek
 3089 LS 2 Microplastics vs. Bioplastics: Comparative Effects on Seed Germination and Early Plant Growth

Student(s) Kady Cibery **Grade** 12 **Town** Bethel

Bethel Bethel High School Ray Turek
 6029 PS 2 A Multiscale Evolutionary Simulation and Machine Learning Framework to Predict Immunotherapy Failure from Tumor-Immune Interaction Dynamics

Student(s) Srirama Desiraju **Grade** 12 **Town** Bethel

- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

Bethel Bethel High School Raymond Turek
 3065 LS 3 How Different Suturing Techniques and Materials Impact the Effectiveness of the Suture, Measured by Wound Strength, Aesthetics and Infection, When Experimenting with Banana Peels?

Student(s) Emma Doyle **Grade** 12 **Town** Bethel

Bethel Bethel High School Raymond Turek
 3102 LS 2 Sustainable Induction of Medicinal Phytochemicals: The Effects of Low Intensity Stress on Phytochemical Yield in Basil

Student(s) Gabriela Greenstein **Grade** 12 **Town** Bethel

Bethel Bethel High School Raymond Turek
 3048 LS 2 Differences in Memory Retention Between Real Images and Artificially Generated Images.

Student(s) Brianna Jack **Grade** 12 **Town** BETHEL

Bethel Bethel High School Ray Turek
 3534 LST 1 Wavelet-Based Multiscale Anisotropy-Aware Cell-Cell Communication Inference and Niche Segmentation

Student(s) Shravya Mankala **Grade** 11 **Town** Bethel
 Scarlett Chen **Grade** 11 **Town** Scarsdale
 Jiayu Su **Grade** 10 **Town** Ridgefield

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place - Life Sciences Senior High Team - Plaque
- * Pfizer Computational Biology and Bioinformatics Awards --- 1st Place High School - \$300, Plaque

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bozrah Fields Memorial School Joshua Fish

1003 LT 1 The Impact of Ice Melting Substances On Unicellular Organisms In Pond Water

Student(s) Analise Williams **Grade 8** **Town** Bozrah
 Ella Sikorski **Grade 8** **Town** Bozrah

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences Middle School Team - CSF Medallion
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion
- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEF
- * Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash

Bridgeport Black Rock School Elizabeth Moran

5010 P7 1 Bridge Weight Bearing Capacity

Student(s) Aiden Cote **Grade 7** **Town** Bridgeport

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences 7th Grade - CSF Medallion
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - Medallion

Bridgeport Black Rock School Elizabeth Moran

5528 P8 3 Solar vs Battery Powered Car Performance

Student(s) Robert Daley **Grade 8** **Town** Bridgeport

- * Stanley Black & Decker Applied Technology Awards --- 2nd Place Middle School - \$150 and Plaque, Medallion
- * EnergizeCT Alternative & Renewable Energy Awards --- 2nd Place Middle School - \$150 Cash and Trophy
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * The Bob Erickson Memorial Innovation Awards --- \$200 Cash Award- Clear Execution of Research- 8th Grade

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

6067 PS 2 Utilizing Organic Byproducts Within the Internal Arrangement of Concrete to Enhance the Dimension Stability and Durability of Porous Concrete

Student(s) Emily Barnhart **Grade 12** **Town** Monroe

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

6075 PS 1 Solid-State Synthesis Using Metal Supported Biochar to Minimize Polycyclic Aromatic Hydrocarbon Impurities

Student(s) Austin Bell **Grade 12** **Town** Bridgeport

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Senior High Finalist - Medallion

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

6059 PS 2 Development of a Crustacean β -chitin Biopolymer With Improved Functional Stability and Enhanced Decomposition

Student(s) Campbell Cohen **Grade 12** **Town** Fairfield

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bridgeport Bridgeport Regional Aquaculture Center Holly Turner
 3191 LS 3 Do Lobsters prefer foods with Astaxanthin? Investigating dietary choices in Homerus Americans.
Student(s) Joseph DeSabia **Grade** 10 **Town** Fairfield

Bridgeport Bridgeport Regional Aquaculture Center Holly Turner
 3199 LS 3 Impact of increasing water temperatures on strobilation rates in Aurelia aurita.
Student(s) Calyn Fletcher **Grade** 10 **Town** fairfield

* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 1st Place HS- \$300, Plaque and \$1250 Stipend to Compete at GENIUS Olympiad
 * Aquarion Water Company --- 1st, \$300.00 Cash - Grade 9-12 For Excellence in Water Quality or Environmental Management

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 6032 PS 2 Development of a Dipole PVDF Film Pyroelectric Generator utilizing Process Waste Heat
Student(s) Aiden Reyes **Grade** 12 **Town** Trumbull

Bridgeport Bridgeport Regional Aquaculture Center Holly Turner
 3510 LST 2 How Light Color Influences Agar Production in Gracilaria tikvahiae.
Student(s) Cherelle Ricketts **Grade** 10 **Town** Bridgeport
 Joshua Ball **Grade** 11 **Town** Bridgeport

* Society for In Vitro Biology --- Certificate and \$25 gift card given by CSEF

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3050 LS 2 Utilizing Vibrio natriegens for Sequestration of Heavy Metals to Promote Aquatic
Student(s) Max Saunders **Grade** 12 **Town** Fairfield

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle
 3090 LS 2 Enhancing Lactobacillus Acidophilus. Molecular Responses with Hydroxyapatite to Stimulate Tooth Enamel Regeneration.
Student(s) Sofia Youssefi **Grade** 12 **Town** Trumbull

Bridgeport Central Magnet High School Caitlin Wall
 3504 LST 3 How Eyewitness Testimony and Hair Analysis Contribute to Crime Scene Investigation within Forensic Science
Student(s) Senavene Wilson **Grade** 12 **Town** Bridgeport
 Mia Martinez **Grade** 12 **Town** Bridgeport

Bridgeport Fairchild Wheeler Aerospace Marissa Barreto
 6509 PST 2 SeatPal - Vehiculaar Heatstroke Prevention Device
Student(s) Geaon Sohn **Grade** 12 **Town** Bridgeport
 Maya Sawaki **Grade** 12 **Town** Bridgeport

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bridgeport Fairchild Wheeler Aerospace Marissa Barreto
 3150 LS 3 Unlocking Neurodivergent Focus Skills
Student(s) **Becky Veliz Ruiz** **Grade 9** **Town** Bridgeport

Bridgeport Fairchild Wheeler Biotech Tara Liskov
 3515 LST 1 Testing the Efficacy of Non-Toxic Substances on the Destruction of Lanternflies and Egg Masses
Student(s) **Maxwell Egbuzie** **Grade 12** **Town** Bridgeport
Sebastian Polanco **Grade 12** **Town** Bridgeport

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High Team - CSF Medallion
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Senior High Finalist - Medallion
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion
- * Banning Family Life Science Award --- For excellence in invasive species research, \$100 cash

Bridgeport Fairchild Wheeler Biotech Marilyn Carolina
 3036 LS 3 Budgerigars' Behavioral Responses to Different Genres of Music
Student(s) **Carolyn Fox** **Grade 12** **Town** Bridgeport

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Senior High Finalist - Medallion
- * Institute of Food Technologists, Nutmeg Section --- \$75 award + invitation to Awards Night Dinner with guest

Bridgeport Fairchild Wheeler Biotech Lucien Bouffard
 3109 LS 1 Equine Cooling Patterns: Physiological Modification
Student(s) **Carly Grimm** **Grade 9** **Town** Norwalk

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * NYUC Pony Club Equine or Animal Science Awards --- \$100 Cash Award or excellence in equine studies

Bridgeport Interdistrict Discovery Magnet School Susan Beres
 1022 LT 3 More Than Just Water
Student(s) **Gabriella Dickson** **Grade 7** **Town** Bridgeport
Catherine Sather **Grade 7** **Town** Trumbull

Bridgeport Interdistrict Discovery Magnet School Susan Beres
 2002 L7 1 Starch Wars
Student(s) **Alicia Palacios** **Grade 7** **Town** Bridgeport

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences 7th grade- \$200, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Talcott Mountain Science Center & Academy --- TMSC Founder's Award - Middle School Life Science - Scholarship to one Summer or Saturday Program at TMSC - Value \$650
- * J.A. Augustine and H. Glista Awards --- \$100 for excellence in Life Sciences

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Bridgeport IT & Software Engineering High School Ricki Chiem

6510	PST	1	How Effectively Can AI Classify Waste?					
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Student(s)	Alan Brewster	Grade 10	Town	Milford
	Mikayla Larbi	Grade 10	Town	Bridgeport
	Brandon Granados Pastora	Grade 10	Town	Bridgeport

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences Senior High Team- \$200 (split) & Plaques
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 4th Place High School - Plaque, Medallion
- * The Community Foundation for Greater New Haven Ecology, Environmental, and Alternative Energy Research Prize --- Award for top environmental protection project from an urban public school (\$455)

Bridgeport IT & Software Engineering High School Ricki Chiem

6094	PS	2	Designing Metalloid bags to help reduce static buildup in powders					
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Student(s)	Ayden Gamble	Grade 11	Town	Bridgeport
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- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 5th Place High School - Plaque, Medallion
- * University of Hartford Scholarships --- University of Hartford 4 Year Scholarship for Excellence in Engineering or Technology, Grade 11 only - \$120,000 (\$30,000/year)

Bridgeport John Winthrop School Srilakshmi Kongani

5510	P8	3	Insulation Investigation					
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Student(s)	Lavinya Baence	Grade 8	Town	Bridgeport
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- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by ONR
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Anonymous Friends of the Fair Family Awards --- 3rd place - \$100 - For Excellence in Engineering Middle School

Bridgeport John Winthrop School Srilakshmi Kongani

5520	P8	2	The War of Energy Efficiency					
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Student(s)	Anthony Gomes	Grade 8	Town	Bridgeport
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- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - Medallion
- * EnergizeCT Alternative & Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy

Bridgeport John Winthrop School Erin Snow

5012	P7	1	Catalase's pH sweet spot					
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Student(s)	Jacob Lin	Grade 7	Town	Bridgeport
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- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences 7th Grade Ind. - trophy

Bridgeport Luis Munoz Marin School Allison Kovac

4015	PT	3	Cardboard Hydraulic Claw: A Syringe-Driven Hydraulic Grabbing Device					
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Student(s)	Sofia Santos	Grade 7	Town	Bridgeport
	Julissa Jaimes	Grade 7	Town	Bridgeport

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Bridgeport Multicultural Magnet School Corina Starn

4006	PT	1	SMART CANE					
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Student(s)	Erick Aquino	Grade 8	Town	Bridgeport
	Dhavid Caetano	Grade 8	Town	Bridgeport

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences MS Team- \$200 (split), trophies & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - Medallion
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 7-8 project
- * Wisner Chairman's Award --- \$500 cash & plaque
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22

Bridgeport Read School Trisha Bartholomew

5509	P8	3	How Does Air Flow Around Different Shape of Cars?					
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Student(s)	Aaron Samaroo	Grade 8	Town	bridgeport
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- * U.S. Air Force --- Certificate & USAF Merchandise Package

Bridgeport Warren Harding High School Shelton Neale

3117	LS	1	Plants Grow in Different Soils					
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Student(s)	Joseph Colon-Machado	Grade 11	Town	Bridgeport
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- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Society for In Vitro Biology --- Certificate and \$25 gift card given by CSEF
- * Earth Forward Group, LLC --- 1st Prize for Sustainable, Agriculture and Food Systems \$250 cash
- * Susan and Stanley Lessoff Memorial --- Susan and Stanley Lessoff Memorial Award - \$250 Cash HS

Bridgeport Warren Harding High School Dionne Cross

3073	LS	3	Which Surface in the Lab has the Most Microbes that Could Cause Bread to Spoil.					
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Student(s)	Johannes Quezada	Grade 9	Town	Bridgeport
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Bridgeport Warren Harding High School Dionne Cross

6524	PST	3	Robotic Arm					
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Student(s)	Daiany Velasquez	Grade 9	Town	Bridgeport
	Juliette Medina-Calderon	Grade 9	Town	Bridgeport

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Cheshire	Cheshire High School	Julie Barker	6030	PS	1	Towards Faster Materials Simulation: GPU-Optimized Neural Networks for Interatomic Potentials		
			Student(s)		Raine Ma	Grade 11	Town	Cheshire
<ul style="list-style-type: none"> * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences Senior High Individual - \$100 & Plaque * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion * Pepsico Engineering Awards --- 3rd Place- Engineering Senior High- \$100 & plaque * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac Univ - HS Student in Computing * Anonymous Friends of the Fair Family Awards --- 1st place - \$250 - For Excellence in Engineering High School 								
Cheshire	Cheshire High School	Julie Barker	3142	LS	2	How do different compressible clothing items affect the balance of a person with Hyper-mobile Ehlers-Danlos syndrome?		
			Student(s)		Bella Solimine	Grade 10	Town	Cheshire
Cheshire	Cheshire High School	Julie Barker	3522	LST	2	Phytoplankton Adaptation to Ocean Acidification		
			Student(s)		Neha Tatikonda	Grade 11	Town	Cheshire
			Student(s)		Emily Junaedi	Grade 11	Town	Cheshire
Danbury	Saint Joseph School	Kathleen Spina	2004	L7	1	Does your choice of footwear have a significant impact on your jumping ability?		
			Student(s)		Emily Bauco	Grade 7	Town	Danbury
<ul style="list-style-type: none"> * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 5rd Place- Life Sciences 7th grade- trophy 								
Danbury	Saint Joseph School	Kathleen Spina	2513	L8	2	To Drink or Not To Drink: How clean is your water?		
			Student(s)		Christopher Caputo	Grade 8	Town	danbury
<ul style="list-style-type: none"> * Aquarion Water Company --- 3rd. \$100.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management 								
Danbury	Saint Joseph School	Kathleen Spina	2506	L8	2	Homemade Water Filtration		
			Student(s)		Ryder Maravilla	Grade 8	Town	Danbury
<ul style="list-style-type: none"> * EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion 								
Danbury	Saint Joseph School	Katleen Spina	2009	L7	1	Does Chocolate Improve Memory?		
			Student(s)		John Zilliox	Grade 7	Town	Danbury
<ul style="list-style-type: none"> * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 4th Place- Life Sciences 7th grade- trophy 								

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Danbury St. Gregory the Great School Christine Fahey
 5511 P8 3 Pennies for Luck or Poison for Ponds
Student(s) Dheer Bhavsar **Grade 8** **Town** Danbury

Danbury St. Gregory the Great School Christine Fahey
 1011 LT 2 Grounds for Growth
Student(s) Kristen Lazzara **Grade 7** **Town** Brookfield
 Moira McKinney **Grade 7** **Town** Danbury

Danbury St. Gregory the Great School Christine Fahey
 5011 P7 1 The Hot-Weather Whiff Effect
Student(s) Slok Mishra **Grade 7** **Town** Danbury

* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 5th Place- Physical Sciences 7th Grade Individual - trophy

Danbury St. Gregory the Great School Christine Fahey
 1005 LT 1 The effect of location on water quality of the Upper Saugatuck River Watershed using macroinvertebrate metrics.
Student(s) Gemma Molisani **Grade 8** **Town** Redding
 Lucia Molisani **Grade 8** **Town** Redding

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences MS Team- trophy
 * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 1st Place MS - \$200, Trophy

Danbury St. Gregory the Great School Christine Fahey
 2511 L8 1 Novel & Portable Cards For Detection of Common Food Allergens
Student(s) Rahil Shah **Grade 8** **Town** Danbury

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 4th Place- Life Sciences 8th grade- trophy
 * Alexion Biotechnology Awards --- 3rd Place Biotechnology 8th grade - \$100 & trophy
 * Institute of Food Technologists, Nutmeg Section --- \$150 award + invitation to Awards Night Dinner with guest
 * National Center for Inquiry Learning --- Daniel & Maggie Award for Imagination - MS \$100

Danbury Westside Middle School Academy Nancy Barlow
 4001 PT 2 What desalinates water the most efficiently; Solar Distillation, Reverse Osmosis, and Boiling
Student(s) Joseph Brocia **Grade 7** **Town** Danbury, CT
 Colin Guidotti **Grade 7** **Town** Danbury
 Brian Saltzman **Grade 7** **Town** Danbury

* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - Medallion
 * EnergizeCT Future Sustainability Awards --- 3rd Place Middle School - \$100 Cash and Trophy
 * IEEE, Connecticut Section --- \$250 Honors Award -Junior

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Danbury Westside Middle School Academy Nancy Barlow

1006	LT	2	The Effect of Acid Rain on Plants Around the World					
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Student(s)	Brooke Cyphers	Grade 7	Town	Danbury
	Margo Anderson	Grade 7	Town	Danbury

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - Medallion
- * EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- * Alexion Biotechnology Awards --- 4th Place Biotechnology 7th grade - trophy

Danbury Westside Middle School Academy Nancy Barlow

1001	LT	1	The Effect of Different Music Genres on Time it Takes Ants to Travel					
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Student(s)	Zahir Guaman	Grade 8	Town	Danbury
	Jhon Ramirez	Grade 8	Town	Danbury
	Frandell Olea	Grade 8	Town	Danbury

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences Middle School Team - CSF Medallion
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 4th Place Middle School - Trophy, Medallion
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion

Danbury Westside Middle School Academy Nancy Barlow

4009	PT	1	What is the Affect of Wing Design on the Speed a Model Plane Flies?					
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Student(s)	Shihan Lin	Grade 8	Town	Danbury
	Isabella Amenta	Grade 8	Town	Danbury
	Ally Kay	Grade 8	Town	Danbury

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences MS Team- trophies
- * Connecticut Science Fair Association Mathematics Awards --- Middle School Finalist - Medallion
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 3rd Place Middle School - \$100 and Trophy, Medallion
- * Pepsico Engineering Awards --- 1st Place- Engineering Middle School- \$200, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Robert Francoeur Memorial Awards --- Creative or innovative project in engineering, computer science or mathematics by female students - \$100

Danbury Westside Middle School Academy Nancy Barlow

1020	LT	3	How Do Organisms Affect The Rate Off Food Decomposition?					
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Student(s)	Reina Melendez	Grade 8	Town	Danbury
	Sophia Cardenas	Grade 8	Town	Danbury

- * EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion
- * Association for Women Geoscientists --- Certificate & \$25 gift card given by CSEF
- * Earth Forward Group, LLC --- 3rd Prize for Sustainable, Agriculture and Food Systems \$100 cash

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Danbury Westside Middle School Academy Nancy Barlow

4005	PT	1	Can You Detect Muons and Cosmic Rays Using Household Materials? How do Coronal Mass Ejections affect the number of muons and cosmic rays detected?					
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Student(s)	Sean O'Marra	Grade 8	Town	Danbury
	Alius Santiago-Stra	Grade 8	Town	Danbury

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Jr Team - CSF Medallions
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 5th Place Middle School - Trophy, Medallion
- * Astronomical Society of Greater Hartford - The Charles Hammond for Excellence in Astronomy Award --- Junior Top Project-\$500, subscription to Sky and Telescope, ASGH membership and meeting invitation

Danbury Westside Middle School Academy Nancy Barlow

1027	LT	2	Keeping It Cool & Damp					
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Student(s)	Madison Rowe	Grade 7	Town	Danbury
	Sophia Fernandes	Grade 7	Town	Danbury
	Makayla Roxo	Grade 7	Town	Danbury

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion

Danbury Westside Middle School Academy Nancy Barlow

4013	PT	2	The Effect of Electrolyte Concentration on the Voltage Produced by a Baghdad Battery					
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Student(s)	Logan Schneider	Grade 8	Town	Danbury
	Daniel Sposato	Grade 8	Town	Danbury

- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion

Danbury Westside Middle School Academy Nancy Barlow

4017	PT	1	The Effect of Phone Case Materials on EMF Radiation from an iPhone Under Various Scenarios.					
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Student(s)	Gowtham Vallinayagam	Grade 8	Town	Danbury
	Edward Sola	Grade 8	Town	Danbury
	Rafael Barreto	Grade 8	Town	Danbury

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences MS Team- \$100 (split) & trophies
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 2nd Place Middle School - \$150, Trophy, Medallion & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 7-8 project
- * The Community Foundation for Greater New Haven's Milton Fisher Awards for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Danbury Westside Middle School Academy Nancy Barlow

1013	LT	1	How can we use phytoremediation to extract different heavy metals out of soil?					
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Student(s)	Rhea Yadav	Grade	8	Town	Danbury
	Aanya Popuri	Grade	8	Town	Danbury

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences Middle School Team - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- Middle Schools- \$100 / trophy
- * Association for Women Geoscientists --- Certificate & \$25 gift card given by CSEF

Danbury Wooster School Parvin Taraz

3106	LS	2	A Multiscale Wavelet Transform Approach to Spatial Gene Expression in Breast Cancer					
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Student(s)	Gabriel Mayorga	Grade	9	Town	Danbury
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Darien Darien High School Christine Leventhal

6043	PS	3	Evaluating Fluorine-to-Hydrogen Substitution in PFOS to Predict Safer Variants					
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Student(s)	Ananyasri Baranidharan	Grade	11	Town	Darien
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Darien Darien High School David Lewis

3087	LS	2	Analysis of Approval-Based Committee Voting Methods using Real-World Ballot Data					
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Student(s)	Ian Bozzuto	Grade	12	Town	Darien
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Darien Darien High School Guy Pratt

3200	LS	3	The effects of psychiatric service dogs on veterans with PTSD and co-occurring mental health disorders: A Meta-Analysis					
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Student(s)	Anastasia Buchesky	Grade	12	Town	Darien
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- * American Psychological Association --- Certificate, \$25 gift card given by CSEF

Darien Darien High School David Lewis

6085	PS	2	Functionalizing DNA Nanotechnology: Optimizing the Impact of Buffer Conditions on Chemical Ligation					
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Student(s)	Claire Chan	Grade	12	Town	Darien
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- * Pepsico Engineering Awards --- 2nd Place- Engineering Senior High- \$200 & plaque
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR

Darien Darien High School Guy Pratt

3032	LS	2	The CpG Overlap between Alzheimer's and Bipolar Disorder in the Cerebellum of Homo sapiens					
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Student(s)	Avery Hanson	Grade	11	Town	Darien
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[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Darien	Darien High School	Ayman Reffai	3169	LS	2	Explanatory machine learning modeling of a seven-molecular marker panel for immune checkpoint inhibition response per RECIST v1.1 in metastatic urothelial carcinoma		
			Student(s)		Matthew Li	Grade 12		Town Darien
* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion								
Darien	Darien High School	Guy Pratt	3195	LS	3	Effect of Access to Healthcare on Stage at Diagnosis and Treatment Outcomes for Carcinoma Skin Cancer		
			Student(s)		Kate Massey	Grade 12		Town Darien
Darien	Darien High School	Guy Pratt	3045	LS	2	The Effectiveness of Physical Therapy Camp Interventions on Motor Function in Children with Cerebral Palsy		
			Student(s)		Ava Mohr	Grade 12		Town Darien
Darien	Darien High School	David Lewis	6091	PS	3	Post-Robbing Behavioral Shifts in Native and Invasive Bees		
			Student(s)		Stella Nehro	Grade 12		Town Darien
* Alumni Botany Awards --- Alumni High School Botany Award- \$100 Cash								
Darien	Darien High School	Guy Pratt	3049	LS	2	Association Between Short-Term Sleep Deprivation and Cognitive Performance: Inhibitory Control, Problem Solving, Working Memory, and Divergent Thinking		
			Student(s)		Taylor Platt	Grade 12		Town Darien, CT
Darien	Darien High School	David Lewis	3128	LS	2	Analyzing the Impact of Weight Cutting upon Head Trauma Recieved in Mixed Martial Arts Bouts		
			Student(s)		Flynn Sullivan	Grade 12		Town Darien
East Hartford	Connecticut IB Academy	Francis Ferrall	6008	PS	3	A Graphene Oxide-Enhanced Biochar System for PFAS Filtration and Mineralization		
			Student(s)		Kwabena Addai-Boateng	Grade 9		Town East Hartford
East Lyme	East Lyme High School	Cecilia Prytko	3182	LS	2	Baby Connect: A haptic solution for deaf parents		
			Student(s)		Sashrika Das	Grade 10		Town East Lyme
* Connecticut Academy of Audiology Awards --- \$200 Award HS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist								

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

East Lyme East Lyme High School Jian Li
 3006 LS 1 Multimodal Deep Learning for BI-RADS Classification Prediction Using Breast Ultrasound and Patient Clinical Data

Student(s) Danlu Li **Grade** 10 **Town** East Lyme

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion

East Lyme East Lyme Middle School Jung Hyun Kim
 2516 L8 3 Predicting Erosive Potential: Comparing Acid Type and Titratable Acidity in Common Beverages

Student(s) Ayden Kim **Grade** 8 **Town** East Lyme

* Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion

Ellington Ellington High School James Manger
 6110 PS 3 Development of Versatile Metal Casting Molds for Low Melting Temperature Metals Via the Use of Compliant Mechanisms

Student(s) Thomas Gerlach **Grade** 11 **Town** Ellington

Fairfield Fairfield Warde Ryan Gleason
 3523 LST 2 The effect of rising sea levels on the germination and survival of Lathyrus Japonicus (beach pea)

Student(s) Calista Gleason **Grade** 11 **Town** Fairfield

Emma Speicher **Grade** 11 **Town** Fairfield

Farmington Farmington High School Alexandra Raymunt
 6525 PST 2 AI Driven Tax Calculator that calculates taxes END to END

Student(s) Aman Arun **Grade** 10 **Town** Farmington

Arush Ghosh **Grade** 10 **Town** Farmington

Farmington Farmington High School Alexandra Raymunt
 6535 PST 1 Quantifying Caffeine Content in Commercially Labeled Caffeinated versus Decaffeinated Products

Student(s) Pranit Bagchi **Grade** 11 **Town** Farmington

Liora Dorsett **Grade** 11 **Town** Farmington

* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior Team - CSF Medallion

Farmington Farmington High School Alexandra Raymunt
 3069 LS 1 Optimizing Bromelain and Papain Protease Formulations to Preserve Catalytic Activity Under Simulated Human Gastrointestinal Stress

Student(s) Rajanya Bishi **Grade** 10 **Town** Farmington

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Farmington	Farmington High School	Alexandra Raymunt	6037	PS	3	SAVI: A Self-Autonomous Vehicle Intelligence Framework for Future Adaptive Learning in Autonomous Vehicles		
						Student(s) Yash Chandrasekaran	Grade 9	Town Unionville
Farmington	Farmington High School	Alexandra Raymunt	6505	PST	2	Saving Artist's Money : Using a vacuum pump to recycle contaminated Turpenoid		
						Student(s) Sophia Jiang	Grade 11	Town Farmington
						Yiquan Li-Zhou	Grade 11	Town Farmington
Farmington	Farmington High School	Alexandra Raymunt	3055	LS	2	XAI-SHAP for Personalized Eczema Risk: Quantifying Feature Importance of Hyper-Local Environmental Pollutants		
						Student(s) Samanyu Kasinadhuni	Grade 10	Town Farmington
Farmington	Farmington High School	Alexandra Raymunt	6520	PST	1	Utilizing Banana Peels to Depollute Water		
						Student(s) Aniket Menon	Grade 10	Town Unionville
						Andrew Nguyen	Grade 10	Town Farmington
						Daniel Marimekala	Grade 10	Town Farmington
<p>* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place - Physical Sciences Senior High Team - Plaque</p> <p>* IEEE, Connecticut Section --- \$250 Honors Award -Senior</p>								
Farmington	Farmington High School	Alexandra Raymunt	3501	LST	2	Predicting Peak Cognitive Performance in Teens Using Chronotype and Machine Learning		
						Student(s) Arjun Mishra	Grade 10	Town Farmington
						Steven Sadlowski	Grade 10	Town Unionville
Farmington	Farmington High School	Alexandra Raymunt	6515	PST	2	Evaluating Biodegradable Polymers for Aerospace Applications: Mechanical, Thermal, and Environmental Performance		
						Student(s) Sudeep Nelakudity	Grade 10	Town Farmington
						Sankarsh Maddala	Grade 10	Town Farmington
Farmington	Farmington High School	Alexandra Raymunt	3157	LS	3	The Key to the Door of Studying		
						Student(s) Krish Rajkumar	Grade 9	Town Unionville

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Farmington Farmington High School Alexandra Raymunt
 3188 LS 1 Characterizing Direct and Immune-Mediated Anti-Neoplastic Effects of Acute Exercise-Conditioned Serum on High-Grade Serous Carcinoma

Student(s) Nithin Solomon **Grade** 12 **Town** Unionville

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

Farmington Farmington High School Alexandra Raymunt
 3527 LST 2 Development and Evaluation of an Offline Medical Question-Answering System Using Local Large-Language-Model Inference

Student(s) Monish Chowdary Thalapaneni **Grade** 11 **Town** Farmington
 Ashrava Tiwari **Grade** 11 **Town** Farmington
 Shreysht Rajesh **Grade** 11 **Town** Farmington

Farmington Miss Porter's School Christine Scanlon
 3138 LS 3 How Cooking Affects Antioxidant Levels in Cauliflower and Their Role in Cancer Prevention

Student(s) Olivia Cheon **Grade** 11 **Town** Seoul

* Institute of Food Technologists, Nutmeg Section --- \$200 award + invitation to Awards Night Dinner with guest

Farmington Miss Porter's School Christine Scanlon
 6071 PS 2 Comparative Fabrication and Mechanical Evaluation of Mycelium-Based Leather Grown on Sawdust Substrates

Student(s) Ejin Chung **Grade** 10 **Town** Gangnam-gu

Farmington Miss Porter's School Christine Scanlon
 6082 PS 2 Decoding Dark Matter: What Determines Its Share?

Student(s) Claire Lee **Grade** 11 **Town** Farmington

Farmington Miss Porter's School Christine Scanlon
 3091 LS 2 Targeting Pulmonary Fibrosis: Macrophage-Specific Lung-Targeted Lipid Nanoparticles for Gas6 siRNA Delivery

Student(s) Leyi Lin **Grade** 10 **Town** Shanghai

Glastonbury Glastonbury High School Stephen Falcigno
 6079 PS 1 OPTIMIZATION FEASIBILITY ANALYSIS OF COMPLIANT MECHANISM REPLACEMENTS OF HYDRAULICS IN PENDULUM TUNED MASS DAMPERS

Student(s) Diego Aguilar **Grade** 12 **Town** South Glastonbury

* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences Senior High Individual - Plaque
 * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
 * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF
 * Anonymous Friends of the Fair Family Awards --- 3rd place - \$100 - For Excellence in Engineering High School

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Glastonbury	Glastonbury High School	Stephen Falcigno	3052	LS	2	SAFETY ASSESSMENT OF RADIOISOTOPE LOADED MESOPOROUS SILICA NANOPARTICLES AND ITS TRANSLATIONAL IMPLICATION		
			Student(s)		Catherine Brown	Grade	11	Town glastonbury
Glastonbury	Glastonbury High School	Stephen Falcigno	3027	LS	2	Investigating How APC4 and Shtd Gene Knockdown and Temperature Affect Sperm Structure in Drosophila Melanogaster.		
			Student(s)		Shriya Chennavajhula	Grade	11	Town Glastonbury
Glastonbury	Glastonbury High School	Stephen Falcigno	3035	LS	2	DISCOVERING DIRECT PROBING REAGENTS FOR MODIFYING DNA STRUCTURE WITH MASS SPECTROMETRY		
			Student(s)		Olivia Chi	Grade	11	Town Glastonbury
Glastonbury	Glastonbury High School	Stephen Falcigno	6042	PS	2	Quantifying Heat Accumulation in Power Electronics via Numerical Modeling		
			Student(s)		Owen Collette	Grade	11	Town Glastonbury
Glastonbury	Glastonbury High School	Yuri Gloumakov	6100	PS	2	Predicting human intention with tactile sensing in human-robot collaboration for moving boxes		
			Student(s)		Shrestha Kar	Grade	11	Town Glastonbury
Glastonbury	Glastonbury High School	Stephen Falcigno	3011	LS	2	Identifying Target for Treatment of Neuropsychiatric Illness Through Investigating the Morphology of Low-Leak C-Subunit Mice Mitochondria		
			Student(s)		Ananya Lingamallu	Grade	11	Town Glastonbury
Glastonbury	Glastonbury High School	Stephen Falcigno	6035	PS	1	Green Cellulose Extraction From Autumn Leaves For Biodegradable Packaging Films		
			Student(s)		Ioana Popescu	Grade	11	Town Glastonbury
<p>* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion</p> <p>* Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related</p>								
Glastonbury	Glastonbury High School	Stephen Falcigno	6051	PS	2	Designing and Manufacturing a Wingshape Optimized for High-Endurance Mars Flight		
			Student(s)		Taraksh Singh	Grade	11	Town Glastonbury

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Glastonbury Glastonbury High School Stephen Falcigno
 6066 PS 3 Predicting Motion Outcomes in Civil Litigation Cases
Student(s) Afraz Sohail **Grade** 12 **Town** Glastonbury

Glastonbury Glastonbury High School Stephen Falcigno
 3161 LS 3 Experimental Validation of Computational Tools for Nanobody Affinity Maturation
Student(s) Anya Srivastava **Grade** 11 **Town** Glastonbury

* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

Glastonbury Glastonbury High School Stephen Falcigno
 3062 LS 2 A Usability Evaluation of the LookUpTrials Mobile Application to Improve Oncology Clinical Trial Participation
Student(s) Aanshi Thumar **Grade** 11 **Town** Glastonbury

Greenwich Brunswick School Dana Montanez
 3502 LST 2 Comparing Photo Complexes of Spinach and Cyanobacteria in Biophotovoltaic Devices
Student(s) Stanford Apple **Grade** 10 **Town** Greenwich
 Colt Inman **Grade** 10 **Town** New Canaan

Greenwich Brunswick School Dana Montañez
 3525 LST 2 Linking Bacterial Contamination in Public Water Sources to Daphnia Behavior and Health
Student(s) Owen Bartoszek **Grade** 11 **Town** Greenwich
 Aidan Williams **Grade** 11 **Town** Greenwich

* Aquarion Water Company --- 2nd. \$250.00 Cash - Grade 9-12 For Excellence in Water Quality or Environmental Management

Greenwich Brunswick School Dana Montanez
 3536 LST 2 Biochar as a Bioremediation Method to Control Microplastic Effects on Agricultural Crops
Student(s) Giancarlo Cuesta **Grade** 10 **Town** Stamford
 Quinn Cunningham **Grade** 10 **Town** Greenwich

* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion
 * Earth Forward Group, LLC --- 2nd Prize for Sustainable, Agriculture and Food Systems \$150 cash

Greenwich Brunswick School Dana Montanez
 6504 PST 1 Teaching Artificial Intelligence to Detect Focal Seizures Accurately Using a Camera System.
Student(s) Jude Evans **Grade** 10 **Town** Greenwich
 Collin McCreath **Grade** 10 **Town** Ryebrook

* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences Senior High Team- \$300 (split) & Plaques
 * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greenwich Brunswick School Dana Montanez
 6047 PS 3 Applying Causal Inference Methodologies to a Large-scale Publicly Available Dataset to Assess Causality Between Nutrient Deficiencies and ADHD Diagnoses

Student(s) Sohan Javeri **Grade** 10 **Town** Greenwich

* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion

Greenwich Brunswick School Dana Montanez
 3514 LST 2 A comparative analysis of Equine Nutritive Supplements utilizing invitro gas production as a proxy for in vitro breakdown and absorption

Student(s) Reed Keller **Grade** 10 **Town** Greenwich

Bear Sickles **Grade** 10 **Town** Greenwich

Greenwich Brunswick School Dana Montanez
 3044 LS 3 Using Stochastic Modeling Techniques to Determine the Impact of Removal of the Measles Vaccine Mandate in Florida

Student(s) Arjun Leih **Grade** 10 **Town** Greenwich

Greenwich Brunswick School Dana Montanez
 3074 LS 3 Determining the Effects of Oleic Acid on Aspergillus oryzae α -Amylase Enzyme Activity

Student(s) Shepherd McGovern **Grade** 11 **Town** Greenwich

Greenwich Brunswick School Dana Montanez
 3530 LST 1 An investigation of Methylene Blue's Neuroprotective ability to Inhibit Excess Glutamate in aquatic Invertebrates.

Student(s) Jayden Montanez **Grade** 11 **Town** Greenwich

Callum Holl **Grade** 11 **Town** Old Greenwich

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High Team - CSF Medallion

Greenwich Brunswick School Dana Montanez
 3507 LST 1 Antioxidant Delivery using Food Grade Nanoclay as a strategy to emulsify lipids and potentially reduce LDL oxidation.

Student(s) Nathaniel O'Connor **Grade** 11 **Town** Chappaqua

Tyrus Ostrowski **Grade** 11 **Town** Port Chester

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High Team - CSF Medallion

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Greenwich	Brunswick School	Dana Montanez	3519	LST	1	Comparative Analysis of Biopolymer Hydrogels: an Investigation of Degradability, Nitrogen Leaching, and Plant Growth.		
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Student(s)	Chris Pedlow	Grade 11	Town	Cos Cob
	Gabriel Levy	Grade 11	Town	Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences Senior High Team- \$300 (split) & Plaque
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion

Greenwich	Brunswick School	Dana Montanez	3177	LS	1	Preventing Zoonotic Parasitic Growth in Freshwater Aquaculture Using Aerogel Praziquantel Feed Additives		
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Student(s)	Sawyer Sacks	Grade 11	Town	Greenwich
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- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 4th Place- Life Sciences Senior High- Plaque
- * Aquarion Water Company --- 3rd \$200.00 Cash - Grade 9-12 For Excellence in Water Quality or Environment Management

Greenwich	Brunswick School	Dana Montanez	6514	PST	2	Enhancing Photostability of Aquazol with the Addition of HALS and UVAs		
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Student(s)	Harry Saunders	Grade 11	Town	greenwich
	Peter Saunders	Grade 11	Town	Greenwich

Greenwich	Brunswick School	Peter Adams	3143	LS	2	Fostering Bioluminescence In Physcomitrium Patens Embryos Using Plasmid Transformation		
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Student(s)	Thomas Walsh	Grade 10	Town	Harrison
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Greenwich	Brunswick School	Dana Montanez	6039	PS	1	Comparative Study of Magnetohydrodynamic Propulsion Designs for Marine Applications		
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Student(s)	Jack Wendell	Grade 11	Town	Greenwich
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- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF
- * University of Connecticut - Early College Experience --- UCONN Early College Experience Program: Physical Sciences - \$100 Cash

Greenwich	Central Middle School	Marina Pinkhasik	5507	P8	2	Evaluating Dissolved CO ₂ and Alkalinity in Coastal Waters		
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Student(s)	Kearnon Henske	Grade 8	Town	Cos Cob
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[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greenwich Central Middle School Andrew Bramante

2503	L8	1	In situ, Natural Degradation of Cyanotoxins in Water by <i>L. acidiphilus</i> , with Concurrent Stimulation of the Aquatic Ecosystem
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Student(s) Clarissa Maldonado **Grade 8** **Town** Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences 8th grade- \$200, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- * Alexion Biotechnology Awards --- 1st Place Biotechnology 8th grade - \$200, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF

Greenwich Central Middle School Andrew Bramante

2508	L8	1	Investigating the Inclusion of Hair Extracted Keratin Nanostructures for Increased Strength and Flexibility for the Construction of an Artificial Anterior Cruciate Ligament
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Student(s) Juliette Prezioso **Grade 8** **Town** Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences 8th grade- \$100 & trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- Middle School- \$150 / trophy
- * Pfizer Computational Biology and Bioinformatics Awards --- 2nd Place Middle School - \$150, Trophy
- * Pepsico Engineering Awards --- 2nd Place- Engineering MS- \$150, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Alexion Biotechnology Awards --- 4th Place Biotechnology 8th grade- trophy

Greenwich Central Middle School Andrew Bramante

5502	P8	2	Repurposing Carbon Combustion Residuals from a Landfill Waste to a Beneficial Soil Additive
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Student(s) Morgan Schwartzstein **Grade 8** **Town** Greenwich

- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Alexion Biotechnology Awards --- 5th Place Biotechnology 8th grade- trophy

Greenwich Eastern Middle School Andrew Bramante

2517	L8	1	A Web-Based Detection Tool for Medical Conditions Effecting the Eye: Integrating Multiple Trained CNNs for Accessible Smartphone Screening
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Student(s) Ares Bandedo-Cambra **Grade 8** **Town** Old Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences 8th grade - CSF Medallion
- * Infosys Foundation Computer Science Awards --- 1st Place Middle School - \$200, Trophy
- * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac Univ - MS Student in Computing
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion

Greenwich Eastern Middle School Andrew Bramante

5515	P8	3	Computer Simulation for School Traffic Optimization
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Student(s) Ivyn Chen **Grade 8** **Town** Greenwich

- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- * Infosys Foundation Computer Science Awards --- Middle School Finalist - Medallion
- * Anonymous Friends of the Fair Family Awards --- 2nd place - \$150 - For Excellence in Engineering Middle School

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Greenwich	Eastern Middle School	Andrew Bramante	5501	P8	1	Fabrication of a UV-A versus UV-B Dual-Wavelength, Wearable Patch		
					Student(s) Julia Gitelman	Grade 8	Town Old Greenwich	
* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 5th Place- Physical Sciences 8th Grade Ind. - trophy								
Greenwich	Eastern Middle School	Andrew Bramante	5506	P8	1	OASIS: A Solar-Powered Off-Grid System for Harvesting Water from Subsurface Sand Moisture to Support Desert Vegetation Recovery		
					Student(s) Jiahao Luo	Grade 8	Town Greenwich	
* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences 8th Grade Ind. - trophy								
* EnergizeCT Future Sustainability Awards --- Middle School Finalist - Medallion								
* Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion								
* Alexion Biotechnology Awards --- 2nd Place Biotechnology 8th grade - \$150 & trophy								
* Lemelson Early Inventor Award --- Certificate & \$100 cash award from Lemelson Foundation								
* Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22								
Greenwich	Eastern Middle School	Andrew Bramante	2502	L8	1	Can Dietary Anti-oxidant Pre-treatment Control the Hyperphosphorylation of Tau Protein,		
					Student(s) Neil Mikkilineni	Grade 8	Town Greenwich	
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 5th Place- Life Sciences 8th grade- trophy								
* Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion								
Greenwich	Eastern Middle School	Andrew Bramante	2509	L8	1	Machine Learning-Based Analysis of Smartphone Behavioral Data for Detection of Depression in High School and College Students		
					Student(s) Srihari Mysore	Grade 8	Town Cos Cob	
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences 8th grade - CSF Medallion								
* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion								
* Infosys Foundation Computer Science Awards --- Middle School Finalist - Medallion								
Greenwich	Greenwich Academy	Deana Semenza	2512	L8	2	Glutathione as a neuroprotectant against glucose induced dopaminergic degeneration in Caenorhabditis elegans		
					Student(s) Addison Garner	Grade 8	Town Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	3093	LS	2	The Effect of Different Concentrations of Ampicillin vs. Tea Tree Oil on Bacterial Growth		
					Student(s) Bianca Amen	Grade 12	Town Greenwich	

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Greenwich	Greenwich Country Day School	Nathan Haag	3099	LS	2	Viability of Freshwater Mussels as a Water-Management Tool in America		
					Student(s) Cate Auerswald	Grade 12	Town Cos Cob	
* Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition								
Greenwich	Greenwich Country Day School	Nathan Haag	6049	PS	3	Evaluating YOLO-Based Neural Networks for Automated Drone Interception on Resource-Constrained Hardware		
					Student(s) Zachry Bostock	Grade 12	Town Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	3005	LS	3	Fruits: Can you remember better with or without them?		
					Student(s) Iyla Brown	Grade 12	Town Norwalk	
Greenwich	Greenwich Country Day School	Nathan Haag	3009	LS	2	Seeing Red: Examining Fixed Action Patterns and Vision in the Three Spined Stickleback Fish, <i>Gasterosteus aculeatus</i>		
					Student(s) Caroline Cabrera	Grade 12	Town Old Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	6063	PS	2	Convolutional Neural Network Classification of DaTSCAN Images for Parkinson's Disease with Interpretability Analysis		
					Student(s) Mary Chickering	Grade 11	Town Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	3056	LS	2	The effect of various sugar compounds on memory		
					Student(s) Margaux Citrin	Grade 12	Town Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	3118	LS	2	The effects of spray and lotion sunscreen on corals		
					Student(s) Charlotte Darwent	Grade 12	Town Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	6020	PS	3	Effects of different drive-signal strategies on refresh rate and resolution of a Micro controller-driven CRT display.		
					Student(s) Oliver Davis	Grade 11	Town Riverside	
* Zepke Awards --- \$150 - For the Best Use of Electronic Circuitry- Senior High								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Greenwich	Greenwich Country Day School	Nathan Haag	3208	LS	2	From Learning to Read to Reading to Learn: How Picture Books Affect Retention and Comprehension Rates In Greenwich Country Day Fourth Graders		
					Student(s) Tessie Filicetti	Grade 12	Town Cos Cob	
Greenwich	Greenwich Country Day School	Nathan Haag	3001	LS	3	Oyster Filtration Efficiency on Different Common Sediments		
					Student(s) Liam Kennon	Grade 12	Town Old Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	3121	LS	1	Engineering a Thermostable Enzyme for the Degradation of PET Through Manipulation of Disulfide Bonds		
					Student(s) Jackson Lieberman	Grade 11	Town Greenwich	
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
Greenwich	Greenwich Country Day School	Nathan Haag	3086	LS	2	Natural versus synthetic sugar and the short-term effects on cognitive functioning in high school students		
					Student(s) Mary McDonnell	Grade 12	Town Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	3105	LS	3	The Impact of Artificial Intelligence on Student Problem-Solving in Education		
					Student(s) Taylor Messina	Grade 12	Town Old Greenwich	
Greenwich	Greenwich Country Day School	Nathan Haag	3023	LS	3	Distraction in Motion: Measuring Student Attention and Movement Response to Hallway Events		
					Student(s) Evan Myers	Grade 12	Town Stamford	
Greenwich	Greenwich Country Day School	Nathan Haag	3148	LS	3	The Cognitive and Neurological Effects of Test-Induced Stress on the Adolescent Brain		
					Student(s) Kaia Novack	Grade 12	Town Stamford	
Greenwich	Greenwich Country Day School	Nathan Haag	3134	LS	3	How Probiotics and Antibiotics Impact Fish Health: Effects of B-Glucan, Bacillus licheniformis, and Ampicillin on Blue Nile Tilapia Health		
					Student(s) Nicholas Shefter	Grade 11	Town Greenwich	

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greenwich Greenwich High School Andrew Bramante

3094	LS	1	Determining how prevalence of single nucleotide polymorphisms alters HLA molecule's expression, and dictates Juvenile Idiopathic Arthritis' best treatments in specific populations
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Student(s) Tessa Addeo **Grade** 10 **Town** Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- 3rd Place High School - \$100, Plaque
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75 gift card given by ONR
- * Otero Family Award --- The Otero Family Award; \$250 cash

Greenwich Greenwich High School Andrew Bramante

3054	LS	2	Design of Zein-Trimethyl Chitosan Nanoparticles for the Non-Invasive Capture and Removal of
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Student(s) Isha Bharti **Grade** 10 **Town** Riverside

Greenwich Greenwich High School Andrew Bramante

3014	LS	2	CD44-Targeted Nanoparticle Co-Delivery of Simvastatin and Colchicine for Localized Treatment of Atherosclerotic Plaque Inflammation in Cardiovascular Disease
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Student(s) Arnav Bhatia **Grade** 11 **Town** Old Greenwich

- * Stanley Black & Decker Applied Technology Awards --- 3rd Place High School - \$ 100 and Plaque, Medallion
- * Alexion Biotechnology Awards --- 4th Place Biotechnology Senior High - plaque

Greenwich Greenwich High School Andrew Bramante

3101	LS	2	Design of a Fluorescence-Based, Point-of-Care Diagnostic for Chronic Kidney Disease via Smartphone Detection of Salivary Creatinine-Porphyrin Conjugation
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Student(s) Rajsi Choudhary **Grade** 9 **Town** Riverside

- * Alexion Biotechnology Awards --- 2nd Place Biotechnology Senior High - \$200 & plaque

Greenwich Greenwich High School Andrew Bramante

3066	LS	2	Microneedle-Contact Lens Co-Delivery of Azobenzene-Liposome Photoswitches and PEDF Neurotrophic Growth Factors to Repair the Effects of Macular Degeneration
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Student(s) Hannah Dcruz **Grade** 11 **Town** Greenwich

Greenwich Greenwich High School Andrew Bramante

3104	LS	2	Colorimetric Sensory Detection of High Levels of Uric Acid and Endothelin-1 for Early Pulmonary Hypertension
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Student(s) Amelia Foell **Grade** 11 **Town** Greenwich

- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion

Greenwich Greenwich High School Andrew Bramante

3028	LS	1	A Novel Dual-Targeting Therapeutic Patch for Non-Addictive, Non-Opioid Pain Suppression via Selective Transient Receptor Potential (TRP) Modulation
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Student(s) Nishant Jain **Grade** 11 **Town** Riverside

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greenwich Greenwich High School Andrew Bramante
 6060 PS 3 Bridging the Sim-to-Real Gap in Autonomous Drone Control via Curriculum-Scheduled Domain Randomization

Student(s) Henry Jin **Grade** 12 **Town** Greenwich

* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion

Greenwich Greenwich High School Andrew Bramante
 3020 LS 1 Exploration of Neuroprotective potential of Moringa oleifera against Alzheimer's Disease and Drosophila Alzheimer's model validation

Student(s) Raymond Li **Grade** 11 **Town** riverside

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

Greenwich Greenwich High School Andrew Bramante
 6019 PS 3 Harvesting Energy using Rain: Self-Healing Triboelectric Nanogenerators using CNT Composite Paper to Produce Meaningful Energy Production

Student(s) Richard Lu **Grade** 9 **Town** Greenwich

* EnergizeCT Future Sustainability Awards --- 1st Place High School - \$300, Plaque & \$1250 Stipend to Compete at GENIUS Olympiad
 * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion

Greenwich Greenwich High School Andrew Bramante
 3185 LS 1 Development of a Novel Nanoparticle Drug Delivery System using OLAH Targeting to Deliver Surfactant Protein and Prevent Neonatal Respiratory Distress Syndrome

Student(s) Tyler Malkin **Grade** 10 **Town** Greenwich

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
 * Regeneron Biomedical Science Award --- Certificate & \$375.00 cash

Greenwich Greenwich High School Andrew Bramante
 3083 LS 2 Development of an Adaptive Glucose-Responsive Oral Insulin Capsule: A Glucose-Oxidase Nanoparticle System for Intestinal Delivery in Type 1 Diabetes

Student(s) Ellie Mao **Grade** 9 **Town** Riverside

Greenwich Greenwich High School Andrew Bramante
 3125 LS 1 Creation of PACA nanoparticles with a chitosan bilayer for effective oral delivery of a sildenafil PDE-5

Student(s) Neil Pendkar **Grade** 11 **Town** Old Greenwich

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
 * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75 gift card given by ONR

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Greenwich Greenwich High School Andrew Bramante

3059	LS	1	Discovery and Validation of Biopolymer Coatings for Nanoparticle-Loaded Silk Fibroin Sutures to Accelerate Tissue Regeneration with a Novel Multimodal Machine Learning Model
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Student(s) Raghav Ramji **Grade** 10 **Town** Riverside

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion
- * Connecticut Science Supervisors Association --- \$225 for a high school project

Greenwich Greenwich High School Andrew Bramante

3034	LS	2	Effects of Betanin as a Potential Therapeutic Agent in Parkinson's Disease using a Drosophila melanogaster Model.
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Student(s) Tania Samant **Grade** 10 **Town** Greenwich

Greenwich Greenwich High School Andrew Bramante

3133	LS	1	Design of a Novel, Dual-Functioning, T-Cell-Engaging and Cytarabine-Based Nanotherapeutic for Acute Myeloid Leukemia Treatment
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Student(s) Lula Wang **Grade** 11 **Town** Old Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences Senior High- \$200 & Plaque
- * Alexion Biotechnology Awards --- 3rd Place Biotechnology Senior High - \$100 & plaque

Greenwich Greenwich High School Andrew Bramante

6097	PS	1	Process Optimization of Green Chemistry Pathway for Fabric-to-Fabric Recycling of Cotton
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Student(s) Marley Wies **Grade** 12 **Town** Old Greenwich

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place - Physical Sciences Senior High Individual - \$300 & Plaque
- * H. Joseph Gerber Award of Excellence presented by the Connecticut Academy of Science and Engineering --- Physical Sciences 1st HS \$1,000, Solid Silver Medal of Excellence, Invite to CASE Annual Mtg
- * Freeman Family Excellence in Chemistry Awards --- \$200 For Excellence in Chemistry or Chemical Engineering - High School

Greenwich Greenwich High School Andrew Bramante

3007	LS	1	Novel On Chip Screening Device for Ovarian Cancer with Algorithm from SVM-RFE on Serum miRNA Relative Expression Orderings
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Student(s) Sophie Yu **Grade** 11 **Town** Riverside

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Alexion Biotechnology Awards --- 5th Place Biotechnology Senior High - plaque
- * Lunch with a Patent Attorney --- Lunch with a Patent Attorney

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greenwich Sacred Heart Greenwich Mary Musolino

4007	PT	1	Evaluating Biodegradable Plastics Made from Avocados, Bananas, and Mangos
Student(s)			Grade 8
Lauren Davidoff			Town Pelham
Grace Nicholas			Grade 8
			Town Armonk

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Jr Team - CSF Medallions
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22

Greenwich Sacred Heart Greenwich Mary Musolino

4010	PT	2	Testing Different Types of Algae To Reduce The Amount to Carbon Dioxide Emissions in the Atmosphere
Student(s)			Grade 8
Riley Driscoll			Town Rye
Catherine Villar			Grade 8
Gabby Leveille			Grade 8
			Town Norwalk

Greenwich Sacred Heart Greenwich Mary Musolino

4014	PT	3	Purifying Water using Different Types of Graphene to Adsorb Harmful Pollutants
Student(s)			Grade 8
Adriana Hassani-Sadi			Town Old Greenwich
Malaika Bazie			Grade 8
			Town White Plains

- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Aquarion Water Company --- 2nd. \$150.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management

Greenwich Sacred Heart Greenwich Mary Musolino

4004	PT	2	Evaluating the Effectiveness of Supplementing Simulated Lunar Soil to Promote Crop Growth for Future Lunar Missions
Student(s)			Grade 8
Lily Hohensee			Town Stamford
Lily Chase			Grade 8
Paige Yantz			Grade 8
			Town Greenwich

- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF

Greenwich Sacred Heart Greenwich Mary Musolino

4018	PT	2	Bio Fuel from Bamboo: Comparing the Yield of Ethanol Produced from Fermentation to the Bio Oil Produced from Solvent Extraction
Student(s)			Grade 8
Riley Williams			Town Harrison
Paula Tonkovich			Grade 8
			Town New Canaan

- * EnergizeCT Alternative & Renewable Energy Awards --- Middle School Finalist - Medallion

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Greenwich	Sacred Heart Greenwich	Joyce Reed	3203	LS	1	Hearing Loss's Correlation to Anxiety		
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Student(s) Haley Blackwell **Grade** 12 **Town** Rye

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- * The Community Foundation for Greater New Haven's Milton Fisher Awards for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$100 cash
- * Connecticut Academy of Audiology Awards --- \$200 Award HS- For Excellence in Audiology and Acoustics, oport. to shadow an audiologist

Greenwich	Sacred Heart Greenwich	Joyce Reed	3513	LST	2	Using Hydromoths to Analyze Energy and Average Power Denisty in Long Island Sound and Bahamas		
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Student(s) Sutton Burchetta **Grade** 12 **Town** Port Chester
 Finley Newman **Grade** 12 **Town** Bedford Corners

Greenwich	Sacred Heart Greenwich	Joyce Reed	3015	LS	1	Understanding The Effects of Music Usage On Caregivers of Alzheimer's Patients		
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Student(s) Grace Mucciaa **Grade** 12 **Town** Rye

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

Greenwich	Western Middle School	Andrew Bramante	5505	P8	1	Creating a Crab Trap That Uses Computer Vision To Detect and Capture the Invasive European Green Crab		
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Student(s) Laila McQueen **Grade** 8 **Town** Greenwich

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences 8th Grade Ind.- \$200, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- Middle School \$200 / trophy
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 2nd Place MS- \$150, Trophy
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac Univ - MS Student in Engineering
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * National Center for Inquiry Learning --- Daniel & Maggie Award for Imagination - MS \$100
- * Jon Stone Memorial Awards --- Jon Stone Award for Innovative Engineering- \$100

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greenwich Western Middle School Andrew Bramante

5526	P8	1	Comparative analysis of CO2 Reduction by Common Houseplants Using an Arduino-Based Environmental Monitoring System
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Student(s) Victoria Shkabarnya **Grade 8** **Town** Greenwich, CT

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences 8th Grade Ind. - \$150 & trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Pepsico Engineering Awards --- 3rd Place- Engineering MS \$100 & trophy
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * Robert Francoeur Memorial Awards --- Creative or innovative project in engineering, computer science or mathematics by female students - \$100
- * Zepke Awards --- \$120 - For the Best Use of Electronic Circuitry- Middle School

Hamden Hamden Hall Country Day School Paulomi Aldo

2501	L8	2	The Effect of Soda Acidity, sugar level, and caffeine level on Daphnia Magna's Physiological Responses
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Student(s) Jason Cabral **Grade 8** **Town** Wallingford

Hamden Hamden Hall Country Day School Paulomi Aldo

5522	P8	3	Which shapes are the best for making the most aerodynamic car
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Student(s) David Esposito **Grade 8** **Town** North Haven

- * U.S. Air Force --- Certificate & USAF Merchandise Paskage

Hamden Hamden Hall Country Day School Paulomi Aldo

2510	L8	2	The Effect of Fungi on Plastic Decomposition
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Student(s) Emma Gammans **Grade 8** **Town** Woodbridge

- * Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF
- * Robotics and Beyond --- Middle School- For excellence in engineering design; \$230 toward admission to Robotics And Beyond STEM and Design summer camp, \$50 cash if cannot attend camp. Certificate.

Hamden Hamden Hall Country Day School Paulomi Aldo

5517	P8	3	Parallel parking test
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Student(s) Gabriel Goldner **Grade 8** **Town** Bethany

Hamden Hamden Hall Country Day School Paulomi Aldo

5014	P7	1	What is the Lowest Ratio of Earth to Mars Soil in which Plants can be Grown?
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Student(s) George Hirsch **Grade 7** **Town** North Haven

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion

Hamden Hamden Hall Country Day School Palumi Aldo

2520	L8	3	How different color of light affect potato growth
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Student(s) Zhiyang Lu **Grade 8** **Town** Hamden

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Hamden	Hamden Hall Country Day School	Paulomi Aldo	2505	L8	2	The Amount of Carbon Dioxide That Nannochloropsis, Chlorella, and Chlamydomonas can Photosynthesize		
			Student(s)		Gabi Pereira	Grade 8	Town	Hamden
* Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash								
Hamden	Hamden Hall Country Day School	Paulomi Aldo	2515	L8	2	Do Outside Environmental Factors Affect Your Ability To Memorize?		
			Student(s)		Matthew Wallis	Grade 8	Town	Hamden
Hamden	Hamden Hall Country Day School	Sarrah Gavin	3176	LS	3	Genetic diversity of aging and stress on breast cancer survival		
			Student(s)		Anna Aslan	Grade 10	Town	Hamden
Hamden	Hamden Hall Country Day School	Gina DAngelo	3164	LS	3	Finding a way to qualitatively measure anxiety in adolescents with undetectable questionnaire		
			Student(s)		Penelope Dwyer	Grade 11	Town	Madison
Hamden	Hamden Hall Country Day School	Alice Loth	6095	PS	3	Innovated Emergency Vital Sign Detector		
			Student(s)		Rhea Hu	Grade 10	Town	North Haven
* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion								
Hamden	Hamden Hall Country Day School	Daniel Kemp	3207	LS	3	How environmental factors (temperature and UV light intensity) affect planarian's regeneration?		
			Student(s)		Tongran Luan	Grade 10	Town	Hamden
Hamden	Hamden Hall Country Day School	Alice Loth	3170	LS	2	Development of an AI-algorithm-enabled mobile application and Near-Infrared (NIR) LED device to assist in venipuncture		
			Student(s)		Neev Makin	Grade 12	Town	Hamden
Hamden	Hamden Hall Country Day School	Patrick Fitzgerald	3201	LS	2	Investigation of effect of PFOS on human hippocampal development and function by using human brain organoids		
			Student(s)		Daniel Park	Grade 11	Town	milford

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Hamden	Hamden Hall Country Day School	Jacob Marchesi	6522	PST	1	Active Noise Cancellation Efficiencies of an Adaptive ANC System Using Destructive Interference to Reduce Harmful Low-frequency Urban Noise.		
		Student(s) Frida Ramirez Moreno					Grade 11	Town Meriden
		Barbara Ramirez Moreno					Grade 12	Town Meriden
<p>* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior Team - CSF Medallion</p> <p>* University of New Haven Scholarship Awards --- \$120,000, 4 year scholarship (\$30,000 per year) to University of New Haven for exemplary 11th grade project</p>								
Hamden	Hamden Hall Country Day School	Patrick Fitzgerald	3136	LS	2	Mutating the Copper Binding Residues of CSRP2 to Asses Protein Function in Murine Primary Myoblasts		
		Student(s) Alessandra Sticca					Grade 11	Town Milford
Hamden	Hamden Hall Country Day School	Patrick Fitzgerald	3144	LS	3	Therapeutic Potential of Neurokinin Receptor 1 Antagonist in Breast Cancer		
		Student(s) Sophia Vash					Grade 12	Town Fairfield
Hamden	Hamden Hall Country Day School	Daniel Kemp	6517	PST	3	How Does pH Affect the Corrosion Rate of Steel?		
		Student(s) Yuxiao Yang					Grade 9	Town Guilford
		Jiale Luo					Grade 9	Town Derby
		Xinyi Xiao					Grade 9	Town Derby
<p>* Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition</p>								
Hamden	Hamden Hall Country Day School	Daniel Cuneo	6527	PST	3	Evaluating US Coinage -- From Lincoln Cent		
		Student(s) George Zhang					Grade 10	Town Hamden
		Alina Zhu					Grade 9	Town Hamden
Hamden	Hamden Hall Country Day School	Daniel Kemp	3033	LS	3	The Hidden Danger of Overusing Antibiotics		
		Student(s) Bella Zhou					Grade 9	Town Hamden
Hamden	Sacred Heart Academy	Elizabeth Christophy	6511	PST	2	The Effects of Smoke from Wildfires on the Temperature of Surrounding Areas		
		Student(s) Avery Cretella					Grade 10	Town North Haven
		Gianna Saldibar					Grade 10	Town West Haven

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Hamden Sacred Heart Academy Elizabeth Christophy
 6502 PST 1 Comparing α -Pinene Emissions from Local Wood's Smoke Through Polarimetric Data

Student(s) Persephone Delaney Delaney **Grade 10** **Town** Wallingford
 Cathleen Coughlin **Grade 10** **Town** North haven

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior Team - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion

Hamden Sacred Heart Academy Paula Napychank
 3122 LS 3 Never Miss a Dose

Student(s) Beatrice Dikow **Grade 9** **Town** HAMDEN

Hamden Sacred Heart Academy Elizabeth Christophy
 6065 PS 3 How Polarizing Filters Can Affect Glare and Road Safety

Student(s) Braelyn Heusser **Grade 10** **Town** Meriden

Hamden Sacred Heart Academy Paula Napychank
 6119 PS 2 Medication Management

Student(s) Adriana LaMonico **Grade 9** **Town** Woodbridge

Hamden Sacred Heart Academy Elizabeth Christophy
 3512 LST 3 Modeling Aerosol-Albedo Interactions: The Effect of Incense Smoke Above a Simulated Ocean

Student(s) Audrey Medvecky **Grade 10** **Town** Guilford
 Emilia Prato **Grade 10** **Town** North Branford

Hamden Sacred Heart Academy Paula Napychank
 3037 LS 2 Antioxidants From Food Sources Inhibit Bacterial Growth

Student(s) Caroline Rogers **Grade 9** **Town** Madison

Hartford Hartford Magnet Trinity College Marcus Stafford
 6114 PS 2 Analyzing PKB activity and ROS within Dictyostelium discoideum cells via capillary

Student(s) Naiya Newhouse **Grade 12** **Town** Ellington

Kent Kent School Jesse Klingebiel
 3088 LS 3 Ginger-Derived Exosomes Inhibit Microbial Contamination in Aqueous Environment

Student(s) Leni Fan **Grade 10** **Town** Lexington

- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Kent Kent School Jesse Klingebiel
 6120 PS 2 CardVis: Intelligent Automated Surface Defect Inspection System for Playing Cards
Student(s) Chloe Feng **Grade** 10 **Town** Las Vegas

Kent Kent School Michael Green
 3058 LS 3 MelodyMemo: A Novel Emotion-Aware Memory-Music Modeling and Recommendation System for Older Adults
Student(s) Newton Niu **Grade** 11 **Town** Stamford

- * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- * Bushnell Center for Performing Arts --- Pair of Tickets to & Juliet for top project that is behavioral or social sciences related

Kent Kent School Jesse Klingebiel
 6092 PS 2 Modular Development of a Pneumatic Lumbar Exoskeleton for Assisting Stoop Lifting
Student(s) Yu Tung Shan **Grade** 10 **Town** Kent

- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Wisner Chairman's Award --- \$500 cash & plaque

Kent Kent School Claudia Cea
 3067 LS 3 Flexible Organic Transistor-Based Devices for Neural Recording in the Gut
Student(s) Emma Sun **Grade** 11 **Town** Hamilton

Kent Kent School Jesse Klingebiel
 6080 PS 3 Dog Nose Print Recognition Method and System
Student(s) Yiduan Wang **Grade** 10 **Town** Kent

Kent Kent School Jesse Klingebiel
 6098 PS 2 Assessment of Walking Ability in Parkinson's Patients Using Three-Dimensional Plantar Pressure Sensors
Student(s) Tianrui Zhang **Grade** 11 **Town** Kent

- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac Univ - HS Student in Engineering

Manchester Manchester High School Stefanie Sebastiao-Kirby
 3159 LS 2 The Impact of Presentation Styles on Engagement in High School Math Classes
Student(s) Shaelan Gara Grady **Grade** 12 **Town** Manchester

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 3rd Place High School - \$ 100 and Plaque, Medallion

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Manchester Manchester High School Wendy Turek

3524 LST 2 Investigating Genetic Correlations Between Down Syndrome and Congenital Heart Defects Through Biostatistical Analysis to Develop a Predictive Model

Student(s) Grace Golas **Grade** 12 **Town** Manchester
 Aine Corbett-Cousins **Grade** 12 **Town** Manchester

* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Senior High Finalist - Medallion

Manchester Manchester High School Stefaine Sebastiao-kirby

3112 LS 1 Investigation of Reptile UV bulb on vitamin D2 synthesis in pulverized oyster mushrooms : An analysis over 0, 1, 2, and 3 hour durations using Thin Layer Chromatography (TLC).

Student(s) Warda Iqbal **Grade** 12 **Town** Manchester

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

Manchester Manchester High School Wendy Turek-Hernandez

3168 LS 2 The effects of micropastics on plant growth.

Student(s) Malala Naeem **Grade** 12 **Town** manchester

Manchester Saint James School Brigid Utz

5004 P7 3 The Effect of the Temperature of the Environment on the Ice and Temperature of Water After 24 Hours

Student(s) Blake Chambers **Grade** 7 **Town** Manchester

Manchester Saint James School Brigid Utz

5015 P7 2 The Effect of the Different Type of Baseball Bats on the Exit Velocity of the Baseball

Student(s) Connor Martin **Grade** 7 **Town** Manchester

Manchester Saint James School Brigid Utz

1025 LT 3 The Effect of Sound and Music Genres on Heart Rate (Measured in Beats per Minute)

Student(s) Therese Pfeiffer **Grade** 7 **Town** Tolland
 Morgan Gaidos **Grade** 7 **Town** Glastonbury

Mansfield Edwin O. Smith High School Cheryl Granger

3528 LST 1 Optimizing Jurkat Cell Cryopreservation Formulation for Safer T-Cell Therapy

Student(s) Alice Han **Grade** 11 **Town** Storrs
 Bibhuti Marasini **Grade** 11 **Town** Storrs

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High Team - CSF Medallion
 * Marty Putnam Foundation Awards --- Top Project in Cell or Gene Therapy or Immunology, 1st Place \$300

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Mansfield Edwin O. Smith High School Cheryl Granger

3211	LS	2	Researching the Effects Of Different Concentrations of Formaldehyde on the Presence of Different Species of Bacteria in Soil
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Student(s) Avery Hancock-Braun **Grade** 10 **Town** Storrs

- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF

Meriden H. C. Wilcox Technical High School Jeffrey Daddona

6518	PST	3	Using storm water run off to generate clean energy and water.
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Student(s) Chase Andrews **Grade** 11 **Town** wallingford
 Riley Keyes **Grade** 11 **Town** wallingford
 Kyle Miranda **Grade** 11 **Town** Meriden

- * EnergizeCT Technical High School Science & Technology Awards --- 3rd Place- Technical High School , \$100, Plaque
- * EnergizeCT Alternative & Renewable Energy Awards --- 3rd Place High School - \$100 Cash and Plaque
- * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion

Montville Saint Thomas Moore School Yajamana Ramu

3129	LS	3	Towards Climate-Smart Agriculture: Decoding PP2C Gene Functions for Abiotic Stress Resilience in Maize
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Student(s) Ami Rastogi **Grade** 11 **Town** Monroe Township

- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion
- * Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion
- * Marty Putnam Foundation Awards --- Top Project in Cell or Gene Therapy or Immunology, 2nd Place \$200

New Haven Engineering and Science University Magnet Alyssa Anderson

5008	P7	1	BiteSight: Development of a Mobile Deep Learning Application for Bug Bite Identification
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Student(s) Cayden Joseph **Grade** 7 **Town** West Haven

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences 7th Grade Ind. - \$150 & trophy
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 1st Place Middle School - \$200, Trophy, Medallion, invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge & Scholarship to Project Oceanology's Ocean Camp (\$955)
- * Infosys Foundation Computer Science Awards --- 2nd Place Middle School - \$150, Trophy
- * Connecticut Academy of Science and Engineering Middle School Urban School Challenge Award --- Urban School Challenge 1st MS- \$250 Cash Award, Invite to attend CASE's Annual Meeting
- * Alexion Biotechnology Awards --- 2nd Place Biotechnology 7th grade - \$150 & trophy
- * Talcott Mountain Science Center & Academy --- TMSC Founder's Award - Middle School Physical Science - Scholarship to one Summer or Saturday Program at TMSC - Value \$650
- * The Bob Erickson Memorial Innovation Awards --- \$150 Cash Award-- Clear Execution of Research- 7th Grade

New Haven Engineering and Science University Magnet Alyssa Anderson

4011	PT	3	Which Material Erodes The Most
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Student(s) Jacob Werlin **Grade** 7 **Town** New haven
 Finnian Dooley **Grade** 7 **Town** New Haven

- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEF

[SchTown] **[School]** **[Teacher]**
[Proj#] **[FCat]** **[Honors]** **[Project Title]** **Sponsor(s)** **Award(s)**

New Haven Engineering and Science University Magnet Alyssa Anderson

3092	LS	3	Investigating the Impact of Akkermansia Muciniphila on Neuropathology in Parkinson's Disease Mice
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Student(s) **Titiladeoluwa Adeniran** **Grade 11** **Town** Seymour

New Haven Engineering and Science University Magnet Alyssa Anderson

3038	LS	1	Implementation and Validation of a Novel Machine-Learning Framework for Classifying Fossil Invertebrates Using Quantitative Morphological Trait Matrices
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Student(s) **Sahithi Aliminate** **Grade 11** **Town** Milford

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- * University of Hartford Scholarships --- University of Hartford 4 Year Scholarship for Excellence in Science or Math, Grade 11 only - \$120,000 (\$30,000/year)

New Haven Engineering and Science University Magnet Paula Matei-Grysiak

6007	PS	3	Real-Time Adaptive Support for Dementia: An Integrated Multimodal Device for Spatial and Auditory Guidance
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Student(s) **Ethan Joseph** **Grade 11** **Town** West Haven

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 1st Place High School - \$300 and Plaque, Medallion
- * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- * H. Joseph Gerber Award of Excellence presented by the Connecticut Academy of Science and Engineering --- \$500 to 1st HS Urban School Challenge Science Department for Equipment/Supplies

New Haven Engineering and Science University Magnet Alyssa Anderson

6530	PST	3	Gpu price to performance per game.
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Student(s) **Maceo Regan** **Grade 9** **Town** Milford
antonio roblero **Grade 9** **Town** fair haven

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Senior High Finalist - Medallion

New Haven Engineering and Science University Magnet Alyssa Anderson

3156	LS	1	Capturing Carbon Dioxide with Chemical Solutions of Varying Alkalinity
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Student(s) **Anabelle Silverman** **Grade 9** **Town** New Haven

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

New Haven Hopkins School Leilei Shinohara

5521	P8	2	Optical Fire Detection using Computer Vision
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Student(s) **Maki Lawrence Shinohara** **Grade 8** **Town** New Haven

- * Infosys Foundation Computer Science Awards --- Middle School Finalist - Medallion
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 7-8 project
- * Jon Stone Memorial Awards --- Jon Stone Award for Innovative Engineering- \$100

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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New Haven	Hopkins School	Viktoriia Kolesnyk	3097	LS	2	Understanding Uterus Wound Healing and Tissue Remodeling: The Role of Fibroblast Growth Factor 2		
Student(s) Derin Bahtiyar					Grade 11	Town New Haven		

* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

New Haven	Hopkins School	Phillip Stewart	6040	PS	2	Arduino-Based Active Stabilization System for Model Rockets Using IMU Feedback and Servo-Driven Fins		
Student(s) Aiden Gomez					Grade 10	Town Orange		

* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion

* U.S. Air Force --- Certificate & USAF Merchandise Package

New Haven	Hopkins School	Z Ping Lin	3078	LS	1	Investigating the Role of Rad52 Inhibition in HR Repair in Ovarian Cancer		
Student(s) Riya Rao					Grade 12	Town Woodbridge		

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

New Haven	Hopkins School	Yi Wang	3025	LS	2	Nano-Enabled Defense: Using Sulfur Nanoparticles to Limit Cadmium in Soybeans		
Student(s) Luannie Wang					Grade 10	Town Guilford		

* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 2nd Place HS- \$200, Plaque

New Haven	Hopkins School	Phillip Stewart	3021	LS	3	How does the expression or dysfunction of KCC2 protein relate to epilepsy and a potential treatment		
Student(s) Heli (Aurelia) Wen					Grade 11	Town Woodbridge		

New Haven	Sound School	Charles Mulligan	3529	LST	2	Potential Impact of PET Leachate on Nutrient Uptake of Marine Microalgae		
Student(s) Violet Sibley					Grade 12	Town New Haven		
Gabriella Belizaire					Grade 11	Town Hamden		

New Haven	Wilbur Cross High School	John Lazzari	3140	LS	1	Studying Compositionality in Multitasking Artificial Neural Networks for Motor Control		
Student(s) Julian Theodore					Grade 12	Town New Haven		

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 2nd Place High School - \$200 and Plaque, Medallion, and \$1250 stipend to compete at GENIUS Olympiad

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

New Haven Worthington Hooker School Douglas Jones

1030 LT 3 Natural Cleaners vs Chemical Cleaners

Student(s) Paulina Borowski Grade 8 Town New Haven
 Camila Guerrero Diaz Grade 8 Town New Haven

* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - Medallion

New Haven Worthington Hooker School Douglas Jones

1009 LT 3 Does light wavelength affect plant growth?

Student(s) Ayra Tarabar Grade 8 Town New Haven
 Kayla Pinkard Grade 8 Town new Haven

New Milford Canterbury School Woo Rin Lee

3061 LS 2 Eco-Friendly Floating Bio-Island for Simultaneous Removal of Heavy Metals from Polluted Water Using Aquatic Macrophytes

Student(s) Minhyo Tae Grade 11 Town Seoul, South Korea

* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion

North Haven Slate School Jennifer Staple-Clark

2514 L8 1 A Microbiology Study of Ancient and Modern Flours: Comparing Microbial and Chemical Changes in Leavening Systems

Student(s) Pierson Clark Grade 8 Town North Haven

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences 8th grade- \$150 & trophy
 * Pfizer Computational Biology and Bioinformatics Awards --- 3rd Place Middle School - \$100, Trophy

Norwich Norwich Technical High School Kaitlin McKale

3526 LST 1 Using Loop-Mediated Isothermal Amplification (LAMP) for Hydrilla Verticillata Identification in New England Waters

Student(s) Jarelis Acevedo Grade 12 Town Norwich
 Addison Hackett Grade 12 Town Willimantic

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High Team - CSF Medallion
 * EnergizeCT Technical High School Science & Technology Awards --- 1st Place- Technical High School, \$300, Plaque & \$1250 Stipend to Compete at GENIUS Olympiad
 * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 3rd Place HS- \$100, Plaque

Norwich Norwich Technical High School Kaitlin McKale

3057 LS 3 Influence of microplastic size and density on the structure of microbial communities: Implications for soil health

Student(s) Nyashia Bostick Grade 11 Town Willimantic

* Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Norwich	Norwich Technical High School	Kaitlin McKale	3010	LS	2	Blue Oyster Cult(ure): Using Pleurotus for Mycoremediation of Water Contaminants		
					Student(s)	Debbie Calixto Mota	Grade 11	Town Willimantic
<ul style="list-style-type: none"> * EnergizeCT Technical High School Science & Technology Awards --- 2nd Place- Technical High School , \$200, Plaque * Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion * EnergizeCT Alternative & Renewable Energy Awards --- High School Finalist - Medallion * University of New Haven Scholarship Awards --- \$120,000, 4 year scholarship (\$30,000 per year) to University of New Haven for exemplary 11th grade project 								
Norwich	Norwich Technical High School	Kaitlin McKale	3004	LS	2	Effects of Environmental Conditions on Bone Degradation.		
					Student(s)	Ruby Craig	Grade 11	Town Moosup
Norwich	Norwich Technical High School	Kaitlin McKale	3100	LS	2	Investigation of microbial pigments for use as an antimicrobial		
					Student(s)	Kivannys Diaz Ruiz	Grade 11	Town moosup
Norwich	Norwich Technical High School	Kaitlyn McKale	3098	LS	2	what plants bees prefer to pollinate with		
					Student(s)	Elijah Jackman	Grade 11	Town voluntown
<ul style="list-style-type: none"> * EnergizeCT Technical High School Science & Technology Awards --- Technical High School Finalist - medallion 								
Norwich	Norwich Technical High School	Kaitlin McKale	3022	LS	3	Gut content analysis of the invasive European Green Crab <i>Carnius maenas</i>		
					Student(s)	Lily Kosma	Grade 11	Town Moosup
Norwich	Norwich Technical High School	Kaitlin Mckale	3196	LS	1	The Effects of Skin Care Products on the Face Microbiome		
					Student(s)	Emma Stimson	Grade 11	Town Moosup
<ul style="list-style-type: none"> * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion 								
Plainville	Plainville High School	Michelle Bellinger	6005	PS	1	Improving Airplane Efficiency and Maximizing a Sustainable Angle of Attack Through Acoustic Streamlining		
					Student(s)	Raman Kasabrukhau	Grade 10	Town Plainville
<ul style="list-style-type: none"> * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion * U.S. Air Force --- Certificate & USAF Merchandise Package 								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Pomfret	Pomfret School	Gwyneth Connell	3210	LS	2	Cortisol-Induced Epigenetic Changes in Skin Cells and the Potential of Plant-Derived Exosomes for Reversing Stress-Induced Skin Aging		
Student(s) Euhyun Jahng					Grade 11	Town Seoul		
Pomfret	Pomfret School	Annie O'Sullivan	6124	PS	2	Leg exoskeletons that can help people with leg disabilities walk		
Student(s) Jiazhi Zhao					Grade 10	Town Pomfret		
* Biophysical Society --- Biophysics Award- \$100								
Redding	Joel Barlow High School	Katherine Nuzzo	3166	LS	2	Impact of Drought-Induced Stress on The Accumulation of Polysaccharide and Glucosinolate levels in Raphanus sativus Roots, and Their Possible Implications on the Gut Microbiome		
Student(s) Victoria Abukhovich					Grade 11	Town Redding		
Redding	Joel Barlow High School	Paul Testa	6054	PS	2	Adaptive Authentication Against DDoS Attacks: A Performance Analysis		
Student(s) Christopher Alvarado					Grade 11	Town Easton		
Redding	Joel Barlow High School	Kathrine Nuzzo	3189	LS	3	Pediatric school stress and biomarkers for respiratory health in teenagers		
Student(s) Sierra Iacovella					Grade 9	Town Easton		
Redding	Joel Barlow High School	Katherine Nuzzo	6045	PS	2	Novel Approach for Viewing Quantum Superposition		
Student(s) Randy Rivera					Grade 12	Town Redding		
Ridgefield	Ridgefield High School	Ryan Gleason	3531	LST	2	The effect of temperature on Swamp Milkweed germination and growth rates,		
Student(s) Leighton Accinelli					Grade 12	Town Ridgefield		
Student(s) Stella Accinelli					Grade 12	Town Ridgefield		
Ridgefield	Ridgefield High School	Ryan Gleason	3041	LS	3	Testing Human Ability to Detect AI Generated Faces Across Trials		
Student(s) Erin Byrne					Grade 12	Town Ridgefield		

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Ridgefield Ridgefield High School Patrick Hughes
 6523 PST 1 A Nuclear Magnetic Resonance Spectroscopy Study of Five Di-imine Molecules

Student(s) Eva Figlar **Grade 12** **Town** Ridgefield
 Anahit Abernethy **Grade 11** **Town** Ridgefield

* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior Team - CSF Medallion

Ridgefield Ridgefield High School Ryan Gleason
 3141 LS 2 Prevalence of Pathogens in Asian Longhorn Ticks (Haemaphysalis Longicornis) in Bridgeport Connecticut

Student(s) Sara Hill **Grade 12** **Town** Ridgefield

* Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place High School \$200 / plaque
 * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion
 * American Society of Safety Professionals, CT Valley Chapter --- \$200 grade 9-12 project

Ridgefield Ridgefield High School Ryan Gleason
 3030 LS 2 The Effects of Glucose on Traumatic Brain Injury Recovery in Drosophila Relevant to Chronic Traumatic Encephalopathy

Student(s) William Knispele **Grade 11** **Town** Ridgefield

Ridgefield Ridgefield High School Adam Vigil
 3167 LS 2 Assessment of Accuracy in Predicting Human Clearance for Linear Monoclonal Antibodies from Animal Models

Student(s) Hancheng Peng **Grade 11** **Town** Ridgefield

Rocky Hill Rocky Hill High School Brian Graca
 6090 PS 3 Evaluating Post-Pandemic Recoveries in Standardized Test Scores across Connecticut School Districts and their Explanatory Factors

Student(s) Akaansha Ganisshan **Grade 11** **Town** Rocky Hill

* Connecticut Science Fair Association Mathematics Awards --- High School Finalist - Medallion

Rocky Hill Rocky Hill High School Sharon Parker
 3053 LS 1 The correlation of gut microbes with depression in patients with multiple sclerosis

Student(s) Tanisha Sahu **Grade 11** **Town** Rocky Hill

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
 * University of Hartford Scholarships --- University of Hartford 4 Year Scholarship for Excellence in Science or Math, Grade 11 only - \$120,000 (\$30,000/year)

Rocky Hill Rocky Hill High School Sharon Parker
 3130 LS 2 Identifying Psychiatric Disorder Risk Genes: Computational Multi-Omic Analysis of Gene Expression and Chromatin Accessibility Comparing Developing vs. Adult Prefrontal Cortex

Student(s) Ashika Sharma **Grade 11** **Town** Rocky Hill

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Salisbury	Indian Mountain School	Marissa Teator	1014	LT	2	The Dividing Line of Language: A Computational Model and Cross-Cultural Analysis of How Linguistic Labels Reshape "Chaotic" Perception		
		Student(s) Kelly Chen					Grade 7	Town Lakeville
		Xinyue Zhang					Grade 7	Town Lakeville
* Pfizer Computational Biology and Bioinformatics Awards --- Middle School Finalist - Medallion								
Salisbury	The Hotchkiss School	Jennifer Rinehart	3149	LS	2	A novel ferritin delivery system targeting glioblastoma		
		Student(s) Jerry Fan					Grade 11	Town Watervliet
Salisbury	The Hotchkiss School	Jennifer Rinehart	3183	LS	1	Disrupting the Inflammatory--Fibrotic Circuit: Evaluating Galectin-3 Inhibition as a Novel Non-Hormonal Therapy for Adenomyosis		
		Student(s) Yunting Jin					Grade 10	Town Lakeville
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
Salisbury	The Hotchkiss School	Jennifer Rinehart	3026	LS	2	Trends in Early-Onset Cancer and Associations With Obesity, Alcohol Use, Marijuana, and Nicotine Use in the United States		
		Student(s) Arya Samat					Grade 9	Town Avon
Salisbury	The Hotchkiss School	Jennifer Rineharticus	3064	LS	2	Exploring potential biomarkers involved in oxidative stress and intercellular crosstalk in diabetic microvascular complications		
		Student(s) Xirong(Hermione) Wu					Grade 11	Town Salisbury
Salisbury	The Hotchkiss School	Jennifer Rinehart	3175	LS	2	Salt Form Modification of Resveratrol: A Novel Approach for Creating an Effective Cardiovascular Drug		
		Student(s) William Xie					Grade 10	Town Lakeville
Salisbury	The Hotchkiss School	Jennifer Rinehart	3162	LS	1	Iron Biofortification in Portulaca oleracea: A Comparative Analysis of Iron Accumulation and Bioavailability in Root, Stem, and Leaf Under Soil and Hydroponic Conditions.		
		Student(s) Chuyao (Yaoyao) Yuan					Grade 11	Town Lakeville
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion								

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Shelton Shelton Intermediate School Rebecca Manzer
 1008 LT 2 What Is The Best Way To Preserve Strawberries?
Student(s) **Corinne Cortinhas** **Grade 8** **Town** Shelton
Ellie Randall **Grade 8** **Town** Shelton
Jayce Micholovich **Grade 8** **Town** Shelton

Shelton Shelton Intermediate School Rebecca Manzer
 1021 LT 3 What Is the Dirtiest Public Restroom?
Student(s) **Charlotte Goncalves** **Grade 7** **Town** Shelton
Sienna Basile **Grade 7** **Town** shelton

Shelton Shelton Intermediate School Rebecca Manzer
 1002 LT 1 Impact of Varying Wavelengths of Light and Controlled Environmental Conditions on the Degredation of Vitamin C Potency in Fruits
Student(s) **Aria O'Connor** **Grade 8** **Town** Shelton
Anna Campbell **Grade 8** **Town** Shelton

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences MS Team- \$150 split & trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion

Simsbury Westminster School Mike Van Dolah
 6513 PST 1 Multi-Function Submersible for Microplastic Collection and Aquatic Environmental Analysis
Student(s) **Muqiao Zong** **Grade 10** **Town** Simsbury
Andrew Ma **Grade 11** **Town** Simsbury

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior Team - CSF Medallion
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related
- * Electric Boat Management Association Science and Engineering Research Awards --- Top Prize in Nautical Research - \$100 Cash for top project that has innovative nautical applications

South Windsor South Windsor High School April Davis
 6508 PST 3 Green Light AI
Student(s) **Devdutt Bhatte** **Grade 10** **Town** South Windsor
Jude Pohl **Grade 10** **Town** South Windsor
Srivashist Gaddam **Grade 10** **Town** South Windsor

- * Bushnell Center for Performing Arts --- Pair of Tickets to & Juliet - for top project involving technology and lights for Arts & Theatre Applications, if possible

South Windsor South Windsor High School Danel Eitel
 3209 LS 2 TRACK I-S: Predicting Future Lyme Disease Risk Zones in CT Counties through a Scratch-Based Simulation
Student(s) **Chiamaka Chidiadi** **Grade 10** **Town** South Windsor

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
South Windsor	South Windsor High School	Danel Eitel	6076	PS	2	Trash To Treasure		
Student(s) Kaitlyn Earley							Grade 10	Town South Windsor
South Windsor	South Windsor High School	Danel Eitel	6526	PST	2	SHAP-Interpretable Random-Forest Analysis of Multimodal Brownfield Site Data for Cost-Aware, Community-Driven Bioremediator Recommendations		
Student(s) Gian Handa							Grade 10	Town South Windsor
Student(s) Nevin Joseph							Grade 10	Town South Windsor
South Windsor	South Windsor High School	Danel Eitel	6036	PS	2	Q.U.A.R.K.: A Quantitative Urban Anomaly Risk Kinetics Model for Forecasting Climate-Driven Human Displacement Using Multi-Factor Time-Series Analysis		
Student(s) Saisatvik Koppu							Grade 10	Town South Windsor
South Windsor	South Windsor High School	April Davis	6516	PST	2	Developing Eco Friendly Sunscreen Formulations With Optimized Ingredient Concentrations to Reduce Zebrafish and Aquatic Ecosystem Toxicity		
Student(s) Akshara Labhe							Grade 10	Town South Windsor
Student(s) Charvi Dixon Islur							Grade 10	Town South Windsor
Student(s) Siva Nalamolu							Grade 10	Town South Windsor
South Windsor	South Windsor High School	Danel Eitel	3095	LS	1	A Quantitative Evaluation of Microplastic Degradation Using Enzyme Kinetics and Binding Energy		
Student(s) Rachel Mathew							Grade 10	Town South Windsor
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
South Windsor	South Windsor High School	Danel Eitel	3193	LS	1	Salt-Eating BioTiles: A Sustainable Solution to Combat Soil Salinity Using Halobacterium		
Student(s) Prasheeta Mohanty							Grade 10	Town South Windsor
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
South Windsor	South Windsor High School	Danel Eitel	6011	PS	2	From Fumes to Fertilizer: A Dual-Stage Catalytic System Converting Livestock Methane into Carbonate for Sustainable Crop Growth		
Student(s) Aniron Pal							Grade 10	Town South Windsor
* U.S. Metric Association --- Certificate & \$25 gift card given by CSEF								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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South Windsor	South Windsor High School	Danel Eitel	6533	PST	2	Project MASTERMIND: Mobilizing Actuarial Science To Extrapolate Risk Maps Identifying Natural Disasters		
	Student(s)	Keshav Prem					Grade 10	Town South Windsor
		Henry Venne					Grade 10	Town South Windsor

South Windsor	South Windsor High School	Danel Eitel	3518	LST	3	Cyanopanel		
	Student(s)	Diva Shajith					Grade 10	Town South Windsor
		Amariah Ysabelle Luci					Grade 10	Town South Windsor
		Sahasra Natti					Grade 10	Town South Windsor

- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * CT Architecture Foundation - The William M. Mack, AIA Awards --- \$250 Amazon Gift Ccard from the Connecticut Architecture Foundation, William M. Mack, AIA Award for Innovation in Building Sustainability.
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related

Southington	Southington High School	Nicole Riccio	3516	LST	3	Application of powdered magnetite as an absorbent for petroleum spill removal from seawater.		
	Student(s)	Esra Agirman					Grade 10	Town Southington
		Vaibhav Reddy Nandi Reddy					Grade 10	Town Southington

Stamford	King School	Victoria Schulman	6088	PS	1	Real-Time Instance Segmentation for Curb and Path Detection in Assistive Wearables for Blind and Low-Vision Assistance		
	Student(s)	Olivia Ajayi					Grade 11	Town Stamford

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion
- * American Society of Safety Professionals, CT Valley Chapter --- \$200 grade 9-12 project

Stamford	King School	Victoria Schulman	6072	PS	2	Predicting Detectability of Transiting Exoplanets: A Python-based Signal-to-Noise Ratio Model		
	Student(s)	Mia Jakubowsky					Grade 11	Town Rye

- * Astronomical Society of Greater Hartford - The Charles Hammond for Excellence in Astronomy Award --- Senior Top Project-\$1000, subscription to Sky and Telescope, ASGH membership and meeting invitation
- * Connecticut Association of Physics Teachers --- \$100 Senior project

Stamford	King School	Victoria Schulman	3114	LS	3	Potential Medications to Treat Concussion in D. melanogaster as a Model Organism		
	Student(s)	Kleighton Kennedy					Grade 11	Town Greenwich

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Stamford	King School	Victoria Schulman	3017	LS	2	Illuminating the Role of Lipid Metabolism Pathways in T-cell Exhaustion		
			Student(s)		Madison Kennedy	Grade 11	Town	Greenwich
Stamford	King School	Victoria Schulman	6014	PS	2	A Voice-Controlled Robotic Arm for Assisting Complex Surgical Tasks		
			Student(s)		Dillon Maltese	Grade 12	Town	Greenwich
* Stanley Black & Decker Applied Technology Awards --- 1st Place High School - \$300 and Plaque, Medallion								
Stamford	King School	Victoria Schulman	3146	LS	3	Effects of Dietary Sugars on Bone Mass and Mechanical Strength		
			Student(s)		Max Marti	Grade 11	Town	New Canaan
* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion								
Stamford	King School	Victoria Schulman	3202	LS	2	Assessing the Effects of GLP-1 Receptor Agonists on Digestion in Drosophila Melanogaster		
			Student(s)		Nicholas Marti	Grade 11	Town	New Canaan
Stamford	King School	Victoria Schulman	3197	LS	1	CX3CR1+ Cell Type-Specific ERK Hyperactivation Promotes Inflammatory Remodeling		
			Student(s)		Lilah Mehta	Grade 11	Town	New Canaan
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
Stamford	King School	Victoria Schulman	3082	LS	2	Alarmin release by renal cell carcinoma cells undergoing hypoxia-induced cell death		
			Student(s)		Mahnoor Nomani	Grade 11	Town	Stamford
Stamford	King School	Victoria Schulman	6083	PS	2	A Sustainable Treatment For Heavy Metal Pollution: Adsorption and Desorption of Ni(II) Ions In Water Using DNA-Wrapped Carbon Nanotubes		
			Student(s)		Bruno Reinhoefer Ribeiro	Grade 12	Town	Riverside
* Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition								
Stamford	King School	Victoria Schulman	6038	PS	2	Design and Application of Gamified Health Tools: From Population-Level Habit Formation to Clinical Evaluation in Traumatic Brain Injury		
			Student(s)		Vito Scutari	Grade 12	Town	Norwalk

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Stamford	King School	Victoria Schulman	3108	LS	2	Assessing the Effects of Equine Grazing Muzzles on Upper Incisor Length and Dental Qualities in Ponies		
			Student(s) Marilyn Sommerville			Grade 11 Town South Salem		

* NYUC Pony Club Equine or Animal Science Awards --- \$100 Cash Award for excellence in equine studies

Stamford	King School	Victoria Schulman	3204	LS	3	Experimentation and Application of Nutrient Additives to Enhance Resilience of Coral Reefs Against Climate Change		
			Student(s) Lucia Vivanco			Grade 12 Town Stamford		

Stamford	Laurel Springs School	Vera Ulanovskaya	6096	PS	2	Driven By Demand: A Mixed-Integer Linear Programming Framework to Optimize the Efficiency and Quality of Bus Services in Stamford, CT		
			Student(s) Victoria Makarov			Grade 12 Town Stamford		

* Connecticut Science Fair Association Mathematics Awards --- 1st Place High School- \$300 and Plaque
 * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software, , gift packs, & T-shirt - For Excellence in Mathematics

Stonington	St. Michael School	Anna-Helene Grossomanides	5518	P8	3	Investigating the effect of tire type on robot performance		
			Student(s) Tyler Baltrukonis			Grade 8 Town Pawcatuck		

* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by ONR

Stonington	St. Michael School	Anna Grossomanides	2007	L7	1	Sweet Science: How Sugars Fuel Yeast Vs. Humans		
			Student(s) Audrina Chapman Roberts			Grade 7 Town westerly		

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences 7th grade - CSF Medallion
 * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion

Stonington	St. Michael School	Anna-Helene Grossomanides	5016	P7	3	Potter Hill Problem		
			Student(s) Vito Gynther			Grade 7 Town Westerly		

* Geology/Historic Project of Merit Award --- \$100 - Earth Science - Field work with Geologic or historic value

Stonington	St. Michael School	Anna-Helene Grossomanides	2507	L8	3	To Swim or Not To Swim		
			Student(s) Camille Thomas			Grade 8 Town Gales Ferry		

* Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$50 cash

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Stratford St. Mark School Patrick Fallon
 2008 L7 1 The Rust Race

Student(s) Arianna Chuco **Grade 7** **Town** startford

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences 7th grade - CSF Medallion

Stratford St. Mark School Andrea Borbor
 5512 P8 2 Crash! Testing Model Cars

Student(s) Stella Jass **Grade 8** **Town** Trumbull

* Anonymous Friends of the Fair Family Awards --- 1st place - \$250 - For Excellence in Engineering Middle School

Suffield Suffield Academy Heng Song
 3152 LS 2 Engineered Probiotic OMs Overcome IBD Therapeutic Barriers via Dual-Gene Editing & ClyA-SOD Membrane Fusion

Student(s) Jingshu Wang **Grade 10** **Town** Shanghai

Suffield Suffield High School Sam Harfenist
 6102 PS 2 Evaluation of Environmental Parameters and Design Optimization for Kirigami-Inspired Parachutes

Student(s) Arnav Ukidwe **Grade 11** **Town** Suffield

Suffield Suffield High School Sam Harfenist
 6068 PS 2 Multivariate and Bayesian Regression Modeling of Stock Performance using Microeconomic, Macroeconomic, and Momentum based Predictors.

Student(s) Shaunak Ukidwe **Grade 11** **Town** Suffield

Trumbull Trumbull Agriscience & Biotechnology Kevin Boken
 6529 PST 3 Using pro-biotics in sports drinks to reduce inflammation

Student(s) Elianna Brocco **Grade 11** **Town** Shelton
 Karina Castro Conde **Grade 11** **Town** Bridgeport
 Yashila Suresh **Grade 11** **Town** Shelton

Trumbull Trumbull Agriscience & Biotechnology Kevin Boken
 6056 PS 3 Development of a Multi-Axis Adaptive Inertia Regulation Exoskeleton System: A Counter-Rotational Gyroframe for Stabilization and Energy Efficiency

Student(s) Johnathon Lin **Grade 10** **Town** Bridgeport

* EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion
 * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
 * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF
 * Electric Boat Management Association Science and Engineering Research Awards --- Top Prize in Nuclear Energy - \$100 Cash for top project that has innovative nuclear applications

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Trumbull	Trumbull Agriscience & Biotechnology	Kevin Boken	3533	LST	3	The affect of acetaminophen on children during pregnancy and risk of neurodevelopmental disorders.		
Student(s)					Daniel Pereira	Grade 11	Town Bridgeport	
					Selvin Lemus-Solano	Grade 11	Town Bridgeport	
Trumbull	Trumbull Agriscience & Biotechnology	Kevin Boken	3505	LST	2	Foods Containing Allicin Affect on Killing Resistant Bacteria		
Student(s)					Atiya Rogers	Grade 11	Town Bridgeport	
					Melanie Vasquez	Grade 11	Town Bridgeport	
Trumbull	Trumbull Agriscience & Biotechnology	Kevin Boken	3181	LS	3	Comparative analysis of the performance proficiency between CRISPR-Cas9 and CRISPR-Cas12a in crop and bacterium genome genetic modification		
Student(s)					Autumn Settembre	Grade 10	Town Trumbull	
Trumbull	Trumbull Agriscience & Biotechnology	Kevin Boken	3532	LST	3	Analyzing The Decline of Sickle Cell Genes in Regions Where Malaria Has Disappeared		
Student(s)					Keeley Tolido	Grade 11	Town Stratford	
					Olivia Kish	Grade 11	Town Shelton	
					Adriana Castillo	Grade 11	Town Trumbull	
Trumbull	Trumbull Agriscience & Biotechnology	Kevin Boken	3120	LS	1	Optimizing the Mechanical Strength of Mycelium-Based Composites (MBCs) Through Substrate Manipulation		
Student(s)					Madeline Totten	Grade 11	Town Trumbull	
<p>* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion</p> <p>* University of Hartford Scholarships --- University of Hartford 4 Year Scholarship for Excellence in Engineering or Technology, Grade 11 only - \$120,000 (\$30,000/year)</p>								
Wallingford	Choate Rosemary Hall	Talia Dell Angelo	6009	PS	2	Conics Determined By Triangle Centers In Ceva-Six Configurations		
Student(s)					Benjamin Cha	Grade 11	Town Tenafly	
<p>* Connecticut Science Fair Association Mathematics Awards --- 2nd Place High School- \$200 and Plaque</p>								
Wallingford	Choate Rosemary Hall	Yunfei Bai	6028	PS	3	Multi-degree-of-freedom Synchronous-driven Spinal Rehabilitation Exoskeleton for Post-injury and Postoperative Recovery		
Student(s)					Grace Ju	Grade 11	Town Wallingford	

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Wallingford Choate Rosemary Hall Jan Cook

3111	LS	1	Innovative Restoration of Coastal Marine Ecosystems: Phage-Based Disease Control and pH Modulation in Connecticut Waters
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Student(s) Taeyoung Kim **Grade** 10 **Town** Seattle

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion
- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEF

Wallingford Choate Rosemary Hall George Gu

6111	PS	1	NeuroMirror: An Intelligent EEG-Driven Mirror Therapy System Grounded in Hebbian Theory for Post-Stroke Upper-Limb Rehabilitation
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Student(s) Sabrina Liu **Grade** 10 **Town** Wallingford

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 5th Place- Physical Sciences Senior High Individual - Plaque
- * Stanley Black & Decker Applied Technology Awards --- 2nd Place High School - \$200 and Plaque Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22

Wallingford Choate Rosemary Hall Talia Dell Angelo

6531	PST	2	Harvesting Water from Air: Optimization of a Novel Solar-Powered Atmospheric Water Generator
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Student(s) Hsiao Chian Tseng **Grade** 11 **Town** Bellevue
 Hiyab Mebrahtu **Grade** 11 **Town** Haverford

- * EnergizeCT Future Sustainability Awards --- 2nd Place High School - \$200 Cash and Plaque
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22

Wallingford Choate Rosemary Hall Jan Cook

6018	PS	3	AquaAcoustic AI: A Low-Cost Intelligent Device for Rapid Reagent-Free Water Quality Assessment via Acoustic Resonance
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Student(s) Neil Wang **Grade** 11 **Town** North York

Washington The Frederick Gunn School Morgen Fisher

3084	LS	2	Dose-Dependent Effects of Chitosan Nanoparticles on Human Fibroblast Proliferation and Skin Wound Closure
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Student(s) Eva Kwon **Grade** 11 **Town** Washington

Washington The Frederick Gunn School Morgen Fisher

3123	LS	1	Identify NK Cell Global Changes during Breast Cancer Development via Analyzing Single-cell Transcriptomes in Human Breast
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Student(s) Xuena Zhang **Grade** 11 **Town** Lexington

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Waterbury ACES Chase Academy Anne Pember
 5013 P7 2 Exploring Scent Movement and Diffusion
Student(s) Ayanna Aybar **Grade 7** **Town** Waterbury

* Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion

Waterbury ACES Chase Academy Anne Pember
 5001 P7 2 Strength of Passwords Based on Character Combinations
Student(s) Tessa Finch **Grade 7** **Town** Bethlehem

Waterbury ACES Chase Academy Anne Pember
 4008 PT 3 How Temperature Changes Influence Ocean Currents
Student(s) Haley Galvin **Grade 7** **Town** Waterbury
 Sheyla Martos Carchi **Grade 7** **Town** Waterbury

Waterbury ACES Chase Academy Rachel Murray
 1032 LT 2 Human Ability to Detect AI-Generated Images: A Comparative Photo Survey
Student(s) Charlotte Joyce **Grade 7** **Town** Prospect
 Kamryn Torres **Grade 7** **Town** Naugatuck

Waterbury ACES Chase Academy Anne Pember
 1024 LT 2 From Food Waste to Water Bottles: Testing Avocado (Persea Americana) Skins as a Sustainable Material
Student(s) Emalyn Lemos **Grade 7** **Town** Oakville
 Camila Ruiz-Ribeiro **Grade 7** **Town** Waterbury

* Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion

Waterbury ACES Chase Academy Anne Pember
 5018 P7 3 Breaking Down Rust with Everyday Liquids
Student(s) Tallulah Madore **Grade 7** **Town** Meriden

Waterbury ACES Chase Academy Anne Pember
 1017 LT 2 Galleria Melonella Larvae as Plastic Eaters: Myth or Fact?
Student(s) Mason Mercado **Grade 7** **Town** Waterbury
 Jason Deo **Grade 7** **Town** Waterbury

* Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion

Waterbury ACES Chase Academy Rachel Murray
 1010 LT 2 Germ Geography: Mapping Microbes Around Our School
Student(s) Liam St. Germain **Grade 7** **Town** Waterbury
 Brian Devoe **Grade 7** **Town** Waterbury

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Waterbury	ACES Chase Academy	Anne Pember	5007	P7	2	Cake Chemistry and Leavening Agents		
					Student(s)	Kamila Tellez	Grade 7	Town Waterbury
Waterbury	ACES Chase Academy	Anne Pember	6004	PS	3	Live-All Purpose GPS Tracker using Arduino		
					Student(s)	Fernando Figueiredo	Grade 9	Town Naugatuck
Waterbury	ACES Chase Academy	Anne pember	3184	LS	3	Dominat salt marsh species, Spartina alterniflora and Geukensia demissa, being used to mesure the health of a marsh.		
					Student(s)	Nina Garcia	Grade 10	Town Waterbury
* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion								
Waterbury	ACES Chase Academy	Anne Pember	6078	PS	2	A Comparative Analysis of CPU Utilization in Bubble Sort and Merge Sort.		
					Student(s)	Aarshman Khan	Grade 9	Town Waterbury
Waterbury	ACES Chase Academy	Anne pemper	6115	PS	3	AI-Based Adaptive Street Safety Assistant for the Visually Impaired		
					Student(s)	Kauan Nascimento	Grade 10	Town waterbury
Waterbury	ACES Chase Academy	Anne Pember	6022	PS	2	Using chitin and chitin-based derivatives to remove and remediate nitrates.		
					Student(s)	Kathryn Thibeault	Grade 9	Town Waterbury
* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Senior High Finalist - Medallion								
* Arthur & Ruth Mensing Award --- Mensing Award Excellence in the High School Physical Sciences - \$500								
Watertown	The Taft School	Amanda Benedict	3179	LS	2	Investigating the Neuroprotective and Stress-Modulating Effects of Oxytocin on Human Cells under Cortisol-Induced Stress Conditions		
					Student(s)	Esther Lee	Grade 10	Town Watertown
* Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion								
* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR								
Watertown	The Taft School	Amanda Benedict	6016	PS	2	Monte Carlo Simulation-Based Probability Model of Wildfire Spread on a Two-Dimensional Grid		
					Student(s)	Hyunseung Lee	Grade 10	Town Woodbury

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Watertown The Taft School Amanda Benedict
 3043 LS 3 Impact of Photosynthetic Pathway on Trait Tradeoffs and Nitrogen Use in Bromeliads
Student(s) Qinrong Qian **Grade** 11 **Town** Watertown

Watertown The Taft School Amanda Benedict
 3521 LST 1 Finding a New Class of Inhibitors for IL-1 β (interleukin-1 beta) Towards the Cure of Age Related Macular Degeneration
Student(s) Jonathan So **Grade** 11 **Town** Watertown
 Jamie Ho **Grade** 11 **Town** Lawrence Township

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences Senior High Team- \$200 (split) & Plaque
- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

Watertown The Taft School Anton Antonov
 6099 PS 2 Neural A*: Learning-Guided, Bounded-Optimal Path Planning for Cluttered Maps
Student(s) Andreas Tsang **Grade** 10 **Town** Watertown

- * Connecticut Science Fair Association Mathematics Awards --- High School Finalist - Medallion

Watertown The Taft School Amanda Benedict
 6070 PS 1 A Novel Equestrian Virtual Reality-Based Coordination Rehabilitation System for Post-Stroke Motor Recovery
Student(s) Mily Xue **Grade** 10 **Town** Watertown

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion
- * Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion
- * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion
- * Anonymous Friends of the Fair Family Awards --- 2nd place - \$150 - For Excellence in Engineering High School

West Hartford Kingswood Oxford Allison Tucker
 5524 P8 2 Evaluating the Effectiveness of Nano-ZnO in Removing Heavy Metals from Petroleum Refinery Wastewater
Student(s) London Vesekis **Grade** 8 **Town** Wethersfield

West Hartford Kingswood Oxford Ashkan Novin
 3178 LS 1 A Multi-Modal AI/ML Platform for Neurodegenerative Risk Prediction: Integrating Epigenetic Signatures through cfDNA Methylation and Functional Mobility Data
Student(s) Rhea Doshi **Grade** 10 **Town** Farmington

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences Senior High- \$300 & Plaque
- * Pfizer Computational Biology and Bioinformatics Awards --- 2nd Place High School - \$200, Plaque
- * H. Joseph Gerber Award of Excellence presented by the Connecticut Academy of Science and Engineering --- Life Sciences Senior 1st HS- \$1,000, Solid Silver Medal of Excellence, Invite to CASE Annual Mtg
- * Alexion Biotechnology Awards --- 1st Place Biotechnology Senior High - \$300 & plaque

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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West Haven Notre Dame High School Omar Espinosa

3107	LS	3	Decoding Adhesion Proteins: Computational Insights for Smarter Brain-on-a-Chip Interfaces					
Student(s)			Siddarth Kothandam			Grade 11		Town Hamden

* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

Weston Weston High School Stacey Greenberg

6507	PST	2	Prometheus: Discovering Novel Quantum Critical Phenomena in Disordered Systems Using Unsupervised Deep Learning					
Student(s)			Brandon Yee			Grade 12		Town Weston
			Maximilian Rutkowski			Grade 12		Town Weston
			Wilson Collins			Grade 12		Town Weston

* Infosys Foundation Computer Science Awards --- 3rd Place High School- \$100, Plaque

Westport Greens Farms Academy Mathieu Freeman

6062	PS	3	A Novel Proposal for the Implementation of Microreactors & Conveyor Systems into the Transportation Phase of Mining to Eliminate Rock Truck CO ₂ Emissions					
Student(s)			Cannon Anderson			Grade 12		Town weston

* EnergizeCT Alternative & Renewable Energy Awards --- High School Finalist - Medallion

Westport Greens Farms Academy Mathieu Freeman

6053	PS	2	Evaluating the Effectiveness of Agricultural Waste-Derived Biochars Embedded in Sodium Alginate Hydrogel Beads for Mitigating Aqueous Copper Ion Toxicity					
Student(s)			Anya Bhuyan			Grade 11		Town Westport

Westport Greens Farms Academy Juli Gerdes

3135	LS	3	Vitamin B's Effect on Delaying Alzheimer's					
Student(s)			Skylar Dreas			Grade 12		Town norwalk

Westport Greens Farms Academy Mathieu Freeman

3113	LS	3	The Influence of Environment on Regenerative Inhibition of MyoD in Dugesia japonica					
Student(s)			Brady Jordan			Grade 12		Town Norwalk

Westport Greens Farms Academy Mathieu Freeman

3080	LS	1	Comparative Efficacy of Intravenous vs. Intraosseous Tranexamic Acid in Simulated Hemorrhage and Warfarin-Altered Clotting					
Student(s)			Dylan Karpf			Grade 9		Town Westport

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Westport	Greens Farms Academy	Mathieu Freeman	6109	PS	1	Open Alert: A Novel Alert System For School Safety		
					Student(s)	Benjamin Kiev	Grade 9	Town Westport
<ul style="list-style-type: none"> * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2026 Invention Convention Summer Finals, August 22 								
Westport	Greens Farms Academy	Mathieu Freeman	6086	PS	3	The "Why" Behind the Move: Coding a Sudoku Tutor and Comparing It to an Optimized Solver		
					Student(s)	Anthony Low	Grade 9	Town Westport
Westport	Greens Farms Academy	Juli Gerdes	3131	LS	3	Investigating Neural Regeneration and Memory Retention in Dugesia Planaria Under Different Light Conditions as a Model for Stroke Recovery		
					Student(s)	Halle Monschein	Grade 12	Town Norwalk
Westport	Greens Farms Academy	Mathieu Freeman	3115	LS	2	The Influence of Dataset Size and Modality on No-Code AI Accuracy in Benign-Malignant Breast Cancer Classification.		
					Student(s)	Tyler Neiva	Grade 12	Town Trumbull
Westport	Greens Farms Academy	Juli Gerdes	3192	LS	1	How Climate Change's Alteration to the Protein Composition in Aedes aegypti Food Source Impacts Their Life History Traits		
					Student(s)	Lolade Oshin	Grade 12	Town West Haven
<ul style="list-style-type: none"> * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion 								
Westport	Greens Farms Academy	Mathieu Freeman	3154	LS	2	Chemical Detoxification as a Parameter for Assessing the Health of the New Creek Marsh		
					Student(s)	Tanvi Rajangam	Grade 12	Town Westport
Westport	Greens Farms Academy	Mathieu Freeman	6044	PS	2	Developing a Methodology to Predict Flash Flooding in Southwestern Connecticut Using Historic Flood Events and Weather Data		
					Student(s)	Oliver Rohrbasser	Grade 12	Town Wilton
<ul style="list-style-type: none"> * Connecticut Science Fair Association Mathematics Awards --- High School Finalist - Medallion * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software, gift packs, & T-shirt - For Excellence in Mathematics * Geology/Historic Project of Merit Award --- \$100 - Earth Science - Field work with Geologic or historic value 								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Westport	Greens Farms Academy	Julianne Gerdes	3040	LS	3	The Psychology of Yondr Pouches and The Impact on Student Well-being		
					Student(s)	Amalia Slade	Grade 12	Town Westport
* American Psychological Association --- Certificate, \$25 gift card given by CSEF								
Westport	Greens Farms Academy	Mathieu Freeman	3016	LS	3	A Data-Driven Evaluation of Behavioral and Dermatologic Factors in Adolescent Skincare Practices in the Context of Social Media Exposure		
					Student(s)	Anika Vaidheeswaran	Grade 11	Town Stamford
* American Psychological Association --- Certificate, \$25 gift card given by CSEF								
Westport	Staples High School	Amy Parent	6023	PS	2	Optimizing Fin Design for a Mars-Launched Rocket Using Open-Source Simulation		
					Student(s)	Anit Arvind	Grade 11	Town Westport
* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion								
Westport	Staples High School	Amy Parent	6034	PS	2	The Next Frontier: Vision Transformer Versus Convolutional Neural Network Architecture in Exoplanet Transit Classification		
					Student(s)	Serena Diamond	Grade 10	Town Westport
Westport	Staples High School	Amy Parent	6025	PS	2	Evaluation the Therapeutic Potential of Curcumin in Improving Motor Neuron Health in Spinal Muscular Atrophy		
					Student(s)	Sofia DiLeo	Grade 12	Town Westport
* Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- High School- \$100 / plaque								
* University of Connecticut - Early College Experience --- UCONN Early College Experience Program: Life Sciences - \$100 Cash								
Westport	Staples High School	Amy Parent	3039	LS	1	Effect of Coenzyme Q10 and Epigallocatechin Gallate on Alpha-Synuclein Aggregation in Caenorhabditis elegans to Treat Parkinson's Disease		
					Student(s)	Leah Dombrow	Grade 11	Town Westport
* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion								
* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion								
Westport	Staples High School	Amy Parent	3068	LS	3	Evaluating Caffeine and the Antioxidant Chlorogenic Acid on Depression in a Drosophila Model		
					Student(s)	Hayley Epstein	Grade 11	Town Westport

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Westport Staples High School Amy Parent
 3013 LS 2 The Mechanisms Underlying the Mitigating Effects of Vitamin D Supplementation on Duchenne Muscular Dystrophy in *C. elegans*

Student(s) Nolan Francis **Grade 12** **Town** Westport

* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

Westport Staples High School Amy Parent
 3139 LS 1 Discovering Novel Targets for the FMN Riboswitch to Test the Utility of Computational RNA-folding Methods to Address Multidrug Antibiotic Resistance

Student(s) Jay Hari **Grade 12** **Town** Westport

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

Westport Staples High School Amy Parent
 3077 LS 2 The activation of SKN-1 via the RNAi knockdown of wdr-23 to reduce oxidative stress from microplastics in *Caenorhabditis elegans*.

Student(s) William Kwong **Grade 11** **Town** Westport

Westport Staples High School Amy Parent
 3190 LS 3 Effect of Stevia on A β -Associated Toxicity in *Drosophila melongaster*

Student(s) Ana Losic **Grade 12** **Town** Westport

Westport Staples High School Amy Parent
 3158 LS 2 Evaluating Toxicity of Natural and Synthetic Dyes in *Caenorhabditis elegans*: Identifying Safer Options for Consumables

Student(s) Vani Punia **Grade 11** **Town** westport

Westport Staples High School Amy Parent
 3186 LS 1 Comparing deep learning architectures with multispectral imaging for early detection of Black Cutworms on Bush Beans

Student(s) Ezra Schwartz **Grade 12** **Town** Westport

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

* J.A. Augustine and H. Glista Awards --- \$100 H. Glista Award for Life Sciences

Westport Staples High School Amy Parent
 3063 LS 2 Can Your Diet Protect Against Microplastics? Discovering the Impact of Probiotic *E. coli* Strains on Microplastic-Induced Toxicity in *C. elegans*

Student(s) Sienna Schwartz **Grade 11** **Town** Westport

* Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Westport	Staples High School	Sanjay Ranka	6106	PS	3	Lightweight Pill Recognition System with Machine and Deep Learning		
Student(s) Sahil Vora							Grade 11	Town Westport

Westport	Staples High School	Amy Parent	3018	LS	3	Enhancing Superoxide Dismutase Stability Through Synthesis With Mesoporous Silica Nanoparticles Tested in C. elegans to Determine Its Potential Role in Breast Cancer Treatments		
Student(s) Elise Yan							Grade 11	Town Westport

Wilton	Middlebrook School	Janica Bagosy	4016	PT	3	High-Speed Trains: How Maglev and Hyperloop Systems Are Modifying Transportation		
Student(s) Miya Bu							Grade 8	Town Wilton
Student(s) Jayden Mak							Grade 8	Town Wilton

Wilton	Middlebrook School	Janica Bagosy	1026	LT	3	How does pH affect plant growth		
Student(s) Aishani Dibouliya							Grade 8	Town Wilton
Student(s) Julia Zubarev							Grade 8	Town Wilton

Wilton	Middlebrook School	Nancy Wakeham	4012	PT	1	Green Walls: The Power of Plant-Based Materials for Home Cooling		
Student(s) Wesley Marley							Grade 7	Town Wilton
Student(s) Arrin Suri							Grade 7	Town Wilton

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Jr Team - CSF Medallions
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Alexion Biotechnology Awards --- 3rd Place Biotechnology 7th grade - \$100 & trophy

Wilton	Middlebrook School	Jessica Garcia	5514	P8	1	Treat Them Proteins! Using Technology to Help Damaged Enzymes		
Student(s) Tanush Nareddy							Grade 8	Town Wilton

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- 1st Place Middle School - \$200, Trophy
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion

Wilton	Middlebrook School	Nancy Wakeham	4003	PT	2	Microplastics in daily life! An experimental study of exposure pathways and filtration solutions.		
Student(s) Smruthi Natarajan							Grade 7	Town Wilton
Student(s) Penelope Calo							Grade 7	Town Wilton

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Wilton	Middlebrook School	Janica Bagosy	2519	L8	2	Smart Bandages for Dogs,		

Student(s) Owen O'Dea **Grade 8** **Town** Wilton

* Stanley Black & Decker Applied Technology Awards --- 1st Place Middle School - \$200 and Plaque, Medallion

Wilton	Middlebrook School	Leah Pariso	4002	PT	2	Dual Axis Automatic Solar Tracker		
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Student(s) Aarya Patel **Grade 7** **Town** Wilton

Aaryan Patel **Grade 7** **Town** Wilton

- * EnergizeCT Alternative & Renewable Energy Awards --- 1st Place Middle School - \$200 Cash and Trophy
- * EnergizeCT Future Sustainability Awards --- 2nd Place Middle School - \$150 Cash and Trophy
- * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Society of Women Engineers - Hartford Section --- Scientific Calculator
- * MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, middle school, \$100 cash award
- * Jon Chapitis Memorial Award --- Jon Chapitis Spirit of Innovation Award - MS \$100
- * Dreams Unlimited Award --- \$150 cash award and certificate

Wilton	Middlebrook School	Jessica Garcia	5519	P8	1	How Microplastics in Water Affects Cymatics		
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Student(s) Jiya Praveen **Grade 8** **Town** Wilton

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF
- * Connecticut Science Supervisors Association --- \$175 for a middle school project
- * Aquarion Water Company --- 1st. \$200.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management

Wilton	Middlebrook School	Allison Norful	1031	LT	3	Human Versus Machine: Can Two Kids and a Quantum Computer Beat a "Magic: The Gathering" Professional?		
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Student(s) Avery Schay **Grade 7** **Town** Wilton

Jack Richardson **Grade 7** **Town** Wilton

* Connecticut Science Fair Association Mathematics Awards --- 1st Place Middle School- \$200 and Plaque

Wilton	Middlebrook School	Janica Bagosy	5525	P8	1	Smart Plant Care: Using Automation and AI		
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Student(s) Pratap Sharma **Grade 8** **Town** Wilton

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences 8th Grade Ind, - \$100 & trophy
- * Stanley Black & Decker Applied Technology Awards --- 3rd Place Middle School - \$100 and Plaque, Medallion
- * Infosys Foundation Computer Science Awards --- 3rd Place Middle School- \$100, Trophy
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by ONR

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Wilton	Wilton High School	Nomita Ramchandani	6026	PS	2	OleoFoam: A Magnetically Controlled Oleophilic Foam for Targeted Oil Absorption		
			Student(s)		Arav Gupta	Grade 10		Town Wilton
<ul style="list-style-type: none"> * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion * J.A. Augustine and H. Glista Awards --- \$100 for excellence in Physical Sciences 								
Wilton	Wilton High School	Matthew Hoyt	6087	PS	2	Improving Space Weather Forecasting Through Multivariate Machine Learning Analysis for SPE (Solar Particle Event) Prediction.		
			Student(s)		Ishanvi Jaiswal	Grade 11		Town Wilton
<ul style="list-style-type: none"> * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion * Astronomical Society of Greater Hartford - The Charles Hammond for Excellence in Astronomy Award --- Senior Honorable Mention Project-\$500, subscription to Sky and Telescope, ASGH membership and meeting invitation 								
Windsor	Academy of Aerospace & Engineering	Lili Aramli	3116	LS	2	Analysis of CYP2D6 Genetic Variation Using TaqMan qPCR to Predict Drug Metabolizer Phenotype		
			Student(s)		Vanessa Bell	Grade 12		Town Windsor
Windsor	Academy of Aerospace & Engineering	Konda Chevva	6101	PS	1	FAB-HEX : Fractal Shaped Additive and Bio-inspired Heat Exchanger		
			Student(s)		Aarav Chevva	Grade 10		Town Ellington
<ul style="list-style-type: none"> * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences Senior High Individual - \$200 & Plaque 								
Windsor	Academy of Aerospace & Engineering	Lili Aramli	3160	LS	1	The Investigation of Pro-Inflammatory Immune Cells Triggered By Exercise and Their Effect On Reproductive Cancer Tumor Models		
			Student(s)		Ana-Marlene Davis	Grade 9		Town Broad Brook
<ul style="list-style-type: none"> * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion 								
Windsor	Academy of Aerospace & Engineering	Lili Aramli	6041	PS	3	Using House Air Filters for Energy Harvesting and Utilization in Everyday Life		
			Student(s)		Dylan Gao	Grade 10		Town Coventry
Windsor	Academy of Aerospace & Engineering	Joshua Madore	6093	PS	2	Optimizing the Efficiency of Solar Cells using Enhanced Cooling Techniques.		
			Student(s)		Palaniappan Manikandan	Grade 10		Town Ellington
<ul style="list-style-type: none"> * EnergizeCT Alternative & Renewable Energy Awards --- 2nd Place High School - \$200 Cash and Plaque * EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion * CT Architecture Foundation - The William M. Mack, AIA Awards --- \$250 Amazon Gift Card from the Connecticut Architecture Foundation, William M. Mack, AIA Award for Innovation in Building Performance. 								

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Windsor Academy of Aerospace & Engineering Lili Aramli
 6118 PS 3 Health-Track AI
Student(s) Aaditya Sadhvani **Grade** 10 **Town** Ellington

Windsor Academy of Aerospace & Engineering Lili Aramli
 6107 PS 2 Next-Generation Interplanetary Rovers: Embedded Neuromorphic Artificial Intelligence Control For Autonomous & Adaptive Terrain Exploration
Student(s) Rithvik Suren **Grade** 10 **Town** Ellington

* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion

Windsor Madina Academy Jemilat Salami-Oyenuga
 1012 LT 1 Photoprotection of yeast, fact or fiction: Studying the effect of Ultraviolet ray C on the proliferation of Saccharomyces Cerevisiae via analysis in vitro cultivation
Student(s) Salma Hassan **Grade** 8 **Town** Avon
 Tajriyan Khan **Grade** 8 **Town** Agawam
 Sohyla Hassan **Grade** 8 **Town** Avon

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences MS Team- \$200 split, trophy & invitation to compete in Thermo Fisher Scientific Junior Innovator's Challenge

Windsor Madina Academy Jemilat Salami-Oyenuga
 1019 LT 1 Restoring Dead-Zones: The Role of High-Oxygen-Producing Vegetation in Assisting to Reduce Aquatic Hypoxia
Student(s) Enaaya Mohammed **Grade** 8 **Town** Windsor
 Nabaad Abdulkadir **Grade** 8 **Town** Plantsville
 Musfira Bhuiyan **Grade** 8 **Town** Windsor

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences Middle School Team - CSF Medallion

* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion

* EnergizeCT Future Sustainability Awards --- 1st Place Middle School - \$200 Cash and Trophy

Windsor Madina Academy Jemilat Salami-Oyenuga
 5516 P8 2 Which Popcicle Stick Bridge Holds The Most Weight
Student(s) Yusuf Nemlaghi Nemlaghi **Grade** 8 **Town** Windsor

Windsor Madina Academy Basma Sallam
 3508 LST 2 Not All Collagen Concentration Is The Same: A Gel Strength Investigation
Student(s) Zaynab Khawaja **Grade** 10 **Town** Agawam
 Aleeza Ehmada **Grade** 10 **Town** Manchester
 Noor Hassan **Grade** 10 **Town** Avon

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Windsor	The Loomis Chaffee School	Fahmeed Sheehan	6027	PS	2	Continual Learning with Elastic Weight Consolidation for Human Tree Person Test Frameworks		
			Student(s)		Ria Sunwoo An	Grade 11	Town	Windsor
<ul style="list-style-type: none"> * Infosys Foundation Computer Science Awards --- 2nd Place High School - \$200, Plaque * J.A. Augustine and H. Glista Awards --- \$100 H. Glista Award for Physical Sciences 								
Windsor	The Loomis Chaffee School	Fahmeed Sheehan	6021	PS	2	Generation of a Uniform, Ultra-high Temperature, and Stable Plasma for Material Innovation		
			Student(s)		Ethan Feng	Grade 11	Town	South Windsor
Windsor	The Loomis Chaffee School	Fahmeed Sheehan	3051	LS	1	Next-Generation E-Skin for Real-Time Monitoring to Prevent Livestock Disease Outbreak		
			Student(s)		Hyeonho Kim	Grade 10	Town	Windsor
<ul style="list-style-type: none"> * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 5th Place- Life Sciences Senior High- Plaque 								
Windsor	The Loomis Chaffee School	Fahmeed Sheehan	6122	PS	1	LISTEN – A Robotic Leak Identification System using TDNN and ENhanced Acoustic Features for Pipeline Detection		
			Student(s)		Jiaxuan Li	Grade 11	Town	Cupertino
<ul style="list-style-type: none"> * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion * American Society of Safety Professionals, CT Valley Chapter --- \$200 grade 9-12 project * IEEE, Connecticut Section --- \$100 Honorable Mention * Zepke Awards --- \$150 - For the Best Use of Electronic Circuitry- Senior High 								
Windsor	The Loomis Chaffee School	Fahmeed Sheehan	3165	LS	2	Bayesian Optimization Enables Ultra-Rapid and Accurate DNA Detection Using qPCR		
			Student(s)		Ethan Liu	Grade 10	Town	Farmington
Windsor	The Loomis Chaffee School	Fahmeed Sheehan	6116	PS	2	Stair-Climbing Delivery Robot for Medical Logistics in Hospitals		
			Student(s)		Enhua Ma	Grade 10	Town	Medina
Windsor	The Loomis Chaffee School	Zhaoyang Huang	3071	LS	3	HTT-HDAC Axis links Major Depressive Disorder and Alzheimer’s Disease: A Transformer-Based Multi-Omics Dissection		
			Student(s)		Yuechen Wang	Grade 10	Town	Windsor
<ul style="list-style-type: none"> * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion 								

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Windsor The Loomis Chaffee School Fahmeed Sheehan

3024	LS	3	How to Make Extra-curriculum Activities Work: Listening to Student Perspectives on Motivation and Outcomes
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Student(s) Calvin Weng **Grade** 11 **Town** New York

Windsor The Loomis Chaffee School Fahmeed Sheehan

3019	LS	2	Can Dead Bacteria Clean Up Our Gardens? Using EPS-Rich Biomass and Biochar to Lower Soil Lead Below 200 ppm
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Student(s) Li-An Ye **Grade** 9 **Town** San Jose

- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- High School \$300 / plaque
- * Association for Women Geoscientists --- Certificate & \$25 gift card given by CSEF

Woodbridge Amity Regional High School Sarah Reeves

6058	PS	1	Designing a Hybrid Ultrasound and Ambient RF Wireless Charging System for a Pacemaker While Minimizing Misalignment Loss
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Student(s) Karishma Balamurugan **Grade** 11 **Town** Orange

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Senior High - CSF Medallion

Woodbridge Amity Regional High School Sarah Reeves

6506	PST	2	Real-Time Integration of a Compact Intracranial Pressure (ICP) Sensor to Benchmark NeuroProbe, a Multimodal Brain Monitoring Device, via Arduino-Based Data Translation
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Student(s) Akshay Bulsara **Grade** 12 **Town** Bethany
 Jacob Storeygard **Grade** 12 **Town** Woodbridge

Woodbridge Amity Regional High School Sarah Reeves

3198	LS	2	Developing a Predictive App for Water Quality: Modeling E. Coli Quantification Through Spatiotemporal Variables
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Student(s) Chloe Chang **Grade** 11 **Town** Orange

- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion
- * University of Connecticut Academic Excellence Scholarship --- University of Connecticut Academic Excellence Scholarship to a rising senior (amount undefined)
- * Society for In Vitro Biology --- Certificate and \$25 gift card given by CSEF
- * Southeastern New England Marine Educators (SENEME) --- \$100 award and membership for student and teacher in SENEME - 1st Place Senior

Woodbridge Amity Regional High School Sarah Reeves

3103	LS	3	Unilateral Leg Press Cross Education Training Effects on Strength, Endurance, and Movement Velocity in Trained Male High School Students
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Student(s) Jason Liang **Grade** 12 **Town** Woodbridge

Woodbridge Amity Regional High School Sarah Reeves

6024	PS	3	Simulating Droplet Breakup in Obstacle Arrays Using the Deformable Particle Model
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Student(s) Nicholas Lu **Grade** 12 **Town** Woodbridge

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Woodbridge Amity Regional High School Sarah Reeves

3180	LS	1	Determining the Accuracy of Biomarker TNF- α in Predicting Ketamine Treatment Outcomes for Veterans with PTSD & MDD
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Student(s) Mila Mejnartowicz **Grade** 12 **Town** Woodbridge

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift card given by ONR

Woodbridge Amity Regional High School Sarah Reeves

3081	LS	3	Identifying EEG Markers of Neonatal Hypoxia Through Electroencephalography
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Student(s) Ashwin Menon **Grade** 12 **Town** Woodbridge

Woodbridge Amity Regional High School Sarah Reeves

3174	LS	2	Detecting Psychosis Onset in CHR Individuals Using NLP-Based Speech Transcript Analysis
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Student(s) Mihir Nandy **Grade** 12 **Town** Woodbridge

Woodbridge Amity Regional High School Lindsay McCarthy

6048	PS	2	Developing a Fast Response Aerosol Optical Depth Monitor for Continuous Information on Ambient Particulate Matter
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Student(s) Armaan Shrivastav **Grade** 11 **Town** Orange

Woodbridge Amity Regional High School Lindsay McCarthy

6012	PS	2	Developing a Bio-Hybrid Luminescent Solar Concentrator Using Carbon Quantum Dots, Natural Fluorophores, and Kaolin Powder for Enhanced Solar Energy Harvesting
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Student(s) Aryan Shrivastav **Grade** 11 **Town** Orange

- * EnergizeCT Alternative & Renewable Energy Awards --- 1st Place High School - \$300 Cash and Plaque
- * EnergizeCT Future Sustainability Awards --- 3rd Place High School - \$100 Cash and Plaque
- * Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research, \$100 cash award
- * Jon Chapitis Memorial Award --- Jon Chapitis Spirit of Innovation Award - HS \$200

Woodbridge Amity Regional High School Lindsay McCarthy

3127	LS	1	Investigating the Impact of BRCA1/2 Co-Expression Gene Silencing on Chemotherapy Efficacy in Ovarian Cancer
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Student(s) Charlotte Stannard **Grade** 12 **Town** Bethany

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

Woodbridge Amity Regional High School Sarah Reeves

3047	LS	2	Investigating the Association Between LEPR Expression in Breast Cancer (BC) Tumors with BC Survival, Stratified by Menopausal Status and Age
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Student(s) Joseph Vatner **Grade** 12 **Town** Woodbridge

[SchTown] [School] [Teacher]
 [Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Woodbridge Amity Regional High School Lindsay McCarthy

3137 LS 1 In Vitro Assessment of Lactase Production Activity, Efficiency, and Survivability of L. acidophilus in Non-Dairy Carriers

Student(s) Mingze Weng **Grade 12** **Town** Orange

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences Senior High- \$100 & Plaque

Woodbridge Amity Regional High School Sarah Reeves

3145 LS 2 Using Mathematical Algorithms to Optimize the Efficiency of an Inverse Computational Modeling Approach to Uncover how Mutations are Affecting Cardiac Muscle Contraction

Student(s) Sage Wong **Grade 12** **Town** Orange

Woodbridge Amity Regional High School Sarah Reeves

6077 PS 2 Assessing [OIII] Outflows and Feedback Efficiency in Nearby Type 1 Quasars

Student(s) Tony Zhang **Grade 12** **Town** Woodbridge

Woodbridge CT-STEM Foundation Sarah Reeves

3171 LS 1 Investigating the Impact of Governance Effectiveness on Economic Crisis Resilience: A Fixed-Effects Analysis of G-20 Countries During the Great Recession and COVID-19

Student(s) David Babic **Grade 10** **Town** Woodbridge

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion

Woodbridge CT-STEM Foundation Lindsay McCarthy

6001 PS 3 Developing a Climate Finance Vulnerability Index for Connecticut to Identify Communities with High Climate Risk and Disproportionately Low Recovery Funding

Student(s) Jordan Chen **Grade 11** **Town** Woodbridge

Woodbridge CT-STEM Foundation Lindsay McCarthy

6084 PS 3 Developing an Ambient-Light Lock-In UV Fluorescence Imaging System for Enhanced Forensic Evidence Detection

Student(s) Emma Imanov **Grade 11** **Town** Orange

Woodbridge CT-STEM Foundation Christine Leventhal

3153 LS 1 Classification of Migraine Subtypes Using Machine Learning: A Study of Data Bias

Student(s) Kehara Morton **Grade 12** **Town** Darien

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion