

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

Regular Fair Awards - Finalists

[SchTown] [School]

[Teacher]

School TownSchoolLast Name

Sorted by:

[Proj#] [Project Title]

Avon Avon High School Andrea Galuska

6088 Harnessing the Power of the Wind: A Comparative Analysis on HAWT, Savonius and Darrieus Wind Turbines and Their

Efficiency

Student(s) Nate Lee

Grade 10 Town Avon

* EnergizeCT Alternative & Renewable Energy Awards --- 3rd Place High School - \$100 Cash and Plaque

* EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion

* Wisner Chairman's Award --- \$500 cash & plaque

Avon Avon High School Galuska Andrea

Pathonix: Enhancing Ovarian Cancer Detection with an Explainable and Efficient Ensemble Learning Framework

Student(s) Vishnu Mukku

Grade 10 Town Avon

* 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

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

Avon Avon Old Farms School Jack Sanford

3535 Investigating Novel Adjuvant Therapies to Combat Tetracycline Efflux Pump Resistance in Escherichia Coli

Student(s) Jadon Subbu Grade 12 Town Avon

Ahren Lehnhoff Grade 11 Town Avon

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences Senior High Team- \$300 (split) & Plaque

Avon Talcott Mountain Academy Hannah Marye

The impact of 3D-printed low-cost quadrupedal robots using swarm mechanics on highway litter cleaning services

Student(s) Kwabena Addai - Boateng

Grade 8 Town East Hartford

- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist Medallion
- * Infosys Foundation Computer Science Awards --- Middle School Finalist Medallion

Avon Talcott Mountain Academy Kennith Wright

2010 The Use of Short-form Media and its Correlation With Working Memory Functions in Adults.

Student(s) Konstantinos Raptis

Grade 7 Town West Hartford

* Alexion Biotechnology Awards --- 2nd Place Biotechnology 7th grade - \$150 & trophy

Avon Talcott Mountain Academy Brigette Zacharczenko

Pupation Behaviors in Manduca sexta: Substrate Choices and Pupation Success

Student(s) Arva Samat

Grade 8 Town Avon

* Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 2nd Place MS- \$150, Trophy

Bethany Amity Middle School Bethany Keith Smolinski

Novel Xylem Water Filter Spigot For Reusable, Universal 5-Gallon Water Jug

Student(s) Alexie Petrov Grade 8 Town Woodbridge

Arshya Senajani Grade 8 Town Woodbridge

^{*} Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Jr Team - CSF Medallions

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

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Bethel Bethel High School Turek Ray

6035

Advancing Personalized Seizure Control: A Cutting-Edge Real-Time EEG Feedback System for Precision Adaptive Neurostimulation

Student(s) Srirama Desiraju

Grade 11 Town Bethel

- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist Medallion
- * University of New Haven Scholarship Awards --- University of New Haven 4 year scholarship \$104,000 (\$26,000 per year) for exemplary 11th grade project
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3

Bethel Bethel High School Raymond Turek

3084 Microplastic Influence on Microbial Strength Against Disinfection

Student(s) Shravya Mankala

Grade 10 Town Bethel

- * 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

Bozrah Fields Memorial School Joshua Fish

A Study of the Impact of Slope, Materials, and Lubrication on Friction.

Student(s)Elise KobelskiGrade 8TownBozrahHannah EastGrade 8TownBozrahSerena BunkerCaiGrade 8TownBozrah

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences MS Team- trophies
- * Connecticut Science Fair Association Mathematics Awards --- 2nd Place Middle School- \$150 and Trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist Medallion
- * Connecticut College-Physics, Astronomy, & Geophysics Dept. --- Junior Award: Certificate, \$100 Cash
- * J.A. Augustine and H. Glista Awards --- \$100 for excellence in Physical Sciences
- * Susan and Stanley Lessoff Memorial --- Susan and Stanley Lessoff Memorial Award \$250 Cash and Plaque MS

Bozrah Fields Memorial School Joshua Fish

What impact will different sphere and track variables have on the performance of a model roller coaster?

Student(s) Benjamin Savoie

Grade 8 Town Gilman

- Isaiah Negron-Rygielski Grade 8 Town Bozrah
- * Connecticut Science Fair Association Mathematics Awards --- 1st Place Middle School- \$200 and Trophy
- * U.S. Air Force --- Certificate & USAF Merchandise Paskage

Bozrah Fields Memorial School Joshua fish

A study of the efficiency of ice melt substances and their environmental impact on roadside vegetation

Student(s) Analise Williams

Grade 7 **Town** bozrah

Ella Sikorski

Grade 7 Town Bozrah

- * 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 --- Middle School Finalist Medallion
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist CSF Medallion
- * Alexion Biotechnology Awards --- 5th Place Biotechnology 7th grade trophy
- * Association for Women Geoscientists --- Certificate & \$25 gift card given by CSEF
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 7-8 project
- * Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash

2025 Regular Fair Awards

[SchTown] [Proj#]	[School] [Project Title]	[Teacher]			
	Black Rock School	Elizabeth Moran			
2018	Mouth Bacteria Expe	eriment			
	JohnJairo Arriaza		Grade 7	Town	Bridgeport
	nnecticut Science Fa ade - CSF Medallion	ir Association Life Science	Awards with T	he Jack	son Laboratory Finalist - Life Sciences 7th
Bridgeport	Black Rock School	Elizabeth Moran			
5016	Note Taking App				
Student(s)	Halle Clark		Grade 7	Town	Bridgeport
	oan School Challenge nalist - Medallion	e Awards with Connecticut	Academy of S	cience 8	& Engineering and OTIS Middle School
Bridgeport	Bridgeport Military Academy Arun Kadam				
6525		pes and Generating Lift			
Student(s)	Gerson Andino		Grade 11	Town	Bridgeport
	Bryan Reis		Grade 11	Town	Bridgeport
* Urb Sc	oan School Challenge chool - Plaque, Meda	e Awards with Connecticut allion	Academy of S	cience 8	k Engineering and OTIS 5th Place High
Bridgeport	Bridgeport Regional Aquaculture Center Kirk Shadle				
6043		al Intelligence to Generate			
Student(s)	Alexander Haniph		Grade 12	Town	Trumbull
* Info	osys Foundation Com	nputer Science Awards	Senior High F	inalist -	Medallion
Bridgeport	Fairchild Wheeler-Biotech Tara Liskov				
3125	The Effect of Natural Root Stimulators on Plant Height and Root Growth				
Student(s)	Ite Daini		Grade 12	Town	Bridgeport
Se * Urb	enior High - CSF Med	lallion			son Laboratory Finalist - Life Science Engineering and OTIS Senior High
		otech Tara Liskov			
6072	Fairchild Wheeler-Biotech Tara Liskov Energy Production from a Homemade Hydrogen Cell				
	Wyatt Speight	Fairfield			
* Co	nstellation Energy	- 1st: \$150.00 Cash - Gra	de 9 - 12: For	Exceller	n School - \$200 Cash and Plaque nce in clean renewable / sustainable energy ental, Energy, Ecology, or Biodiversity Project
Bridgeport	Fairchild Wheeler-In	fotech Ricki Chiem			
6518		gning Base Isolators for E	•		
Student(s)	Ayden Gamble		Grade 10		Bridgeport
	Eddie Bermudez		Grade 11	Town	Bridgeport
Fi	nalist - Medallion	e Awards with Connecticut fety Professionals, CT Valle	-		R Engineering and OTIS Senior High
Bridgeport	Fairchild Wheeler-In	fotech Jamie Dittrich			
3150		ntify Skin Conditions			
	Mikayla Larbi		Grade 9	Town	Bridgeport
		e Awards with Connecticut	Academy of S	cience &	& Engineering and OTIS Senior High
. 1.					

2025 Regular Fair Awards

[SchTown] [School] [Teacher] [Proj#] [Project Title] Bridgeport Fairchild Wheeler-Infotech Ricki Chiem 6524 Analyzing the Efficiency of Hydro-Electric Power Grade 10 Student(s) Ryan Salthouse Town stratford **Keller Passaro** Grade 11 Town stratford

* EnergizeCT Future Sustainability Awards --- High School Finalist - Medallion

Bridgeport Geraldine Johnson Kelly Mulligan Mulligan

2523 Seeing the Unseen: Smart Glasses that Brings Sight to the Blind

Grade 8 Student(s) Mariam Yousf Town Bridgeport

* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion

* Pepsico Engineering Awards --- 3rd Place- Engineering MS \$100 & trophy

Bridgeport John Winthrop School Srilakshmi Kongani

4005 Don't Quake, Choose the Right Shape!

Town Bridgeport Grade 8 Student(s) Kyleen Negron Leah Brioso Grade 8 Town Bridgeport

- * 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 --- Middle School Finalist - Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$25 gift card given by CSEF
- * 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.
- * Jon Chapitis Memorial Award --- Jon Chapitis Spirit of Innovation Award MS \$100
- * Robert Francoeur Memorial Awards --- Creative or innovative project in engineering, computer science or mathematics by female students - \$100

Cheshire Cheshire Academy Breanna Craft

6013 A Tracking System.

Student(s) Deanna Dixon

Grade 11 Town Cheshire

Town Cheshire

- * Stanley Black & Decker Applied Technology Awards --- Senior High Finalist Medallion
- * Infosys Foundation Computer Science Awards --- Senior High Finalist Medallion
- * Pepsico Engineering Awards --- Finalist Engineering High School CSF Medallion
- * Society of Women Engineers Hartford Section --- Scientific Calculator

Cheshire Cheshire High School Julie Barker

6064 Chemical Clues: Predicting Cytochrome P-450 Inhibitors

Grade 11 Student(s) Adwitha Gadhachanda Town Cheshire

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

Cheshire Cheshire High School Julie Barker

6058 The Design and Development of a Smart and Effective Multi-Device Airline Seatbelt Alert System for Preventing Grade 11

Turbulence-Related Injuries Using iOT Technology

Student(s) Suchita Srinivasan

- * 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
- * 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 2025 Invention Convention, May 3

2025 Regular Fair Awards

[SchTown] [School] [Teacher] [Proj#] [Project Title] Cheshire St. Bridget School Michelle Carroll 5003 Acids and Rates of Corrosion: Experiments of Acid Rain on Building Materials Student(s) Benedict Machado Grade 7 Town Hamden * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences 7th Grade Ind. - \$150 & trophy **Danbury** Saint Gregory the Great School Christine Fahey 2012 1 Pollutant: 4 Filtering Methods Student(s) Dheer Bhavsar Grade 7 Town Danbury * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 4th Place- Life Sciences 7th grade- trophy * Aquarion Water Company --- 2nd. \$150.00 Cash - Grade 7-8 For Excellence in Water Quality or Environmental Management * Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash Saint Gregory the Great School Christine Fahev Danbury The Most Efficient Way to Solve a Rubik's Cube 5518 Town Brookfield Student(s) Leonardo Lazzara Grade 8 * Connecticut Science Fair Association Mathematics Awards --- 3rd Place Middle School - \$100 and Trophy Danbury Saint Gregory the Great School Christine Fahev 1003 Fertilizer vs Compost Grade 7 Student(s) Lucia Molisani Town Redding Gemma Molisani Grade 7 Town Redding * Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion * Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF Danbury Saint Gregory the Great School Christine Fahey 2001 Would You Like Plastic With That? Student(s) Rahil Shah Grade 7 Town Danbury * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences 7th grade-\$200 & trophy Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners * Yale Peabody Museum --- In-person Behind the Scenes Tour of the Museum plus guardian. Winner must be >12 years old. Danbury Saint Joseph School Kathleen Spina 2520 Crossed Up! Student(s) Brayden Crabbe Grade 8 Town Danbury * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences 8th grade - CSF Medallion * Wisner Chairman's Award --- \$500 cash & plague Danbury Saint Joseph School Kathleen Spina 2512 The Energy From Above Grade 8 Student(s) Jaden Scott **Town** Danbury

* EnergizeCT Alternative & Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Danbury Westside Middle School Academy Nancy Barlow

The Benefit of A Coded Device To Water Plants Automatically

Student(s) Mackenzie Cooper

Grade 8 Town Danbury

- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- Middle School- \$150 / trophy
- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 1st Place Middle School \$200 and Trophy, Medallion
- * 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
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- * GENIUS Olympiad --- GENIUS Olympiad Competition for Highest Placing USC 8th grade Project

Danbury Westside Middle School Academy Nancy Barlow

4002 Increasing The Flight Distance of The Football by Changing its Characteristics

Student(s) Brennen Denema

Grade 8 Town Danbury

Sean KennedyGrade 8Town DanburyMathias SanchezGrade 8Town Danbury

* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 4th Place Middle School - Trophy, Medallion

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

Danbury Westside Middle School Academy Nancy Barlow

4023 How Do Different RC Spoiler Shapes Affect Battery Discharge?

Student(s) Sean O'Marra Grade 7 Town Danbury

Alius Santiago-Stra Grade 7 Town Danbury

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

Danbury Westside Middle School Academy Nancy Barlow

The Effect of Different Salts in a Water Softener on Calcium in Drinking Water

Student(s) Siddanth Ramakrishnan Grade 8 Town Danbury
Patrick Madden Grade 8 Town Danbury

Thomas Smith 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 and Trophy, Medallion
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners

Danbury Westside Middle School Academy Nancy Barlow

Does heating or cooling a fruit/vegetable lower the amount of Brix?

Student(s) Mohammad Rehan Grade 7 Town Danbury

Gowtham Vallinayagam Grade 7 Town Danbury

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

* Institute of Food Technologists, Nutmeg Section --- \$100 award + invitation to Awards Night Dinner with guest

2025 Regular Fair Awards

[SchTown] [School] [Teacher]

[Proj#] [Project Title]

Westside Middle School Academy Nancy Barlow Danburv

4012 How does the Type and Brand of a Battery Affect how Much Voltage it Loses Over Time?

Grade 7 Town Danbury Student(s) Logan Schneider **Daniel Sposato** Grade 7 Town Danbury

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

* EnergizeCT Future Sustainability Awards --- 3rd Place Middle School - \$100 Cash and Trophy

- * The Community Foundation for Greater Hew Haven's Milton Fisher Awards for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash
- Urban School Challenge 1st Place Middle School Awards --- USC Highest Placing 7th grader- Project Oceanology's Ocean Camp - \$900

Westside Middle School Academy Nancy Barlow Danbury

The Effects of Different Amounts of Phosphorus on the Growth of Algae Beads 4007

Student(s) Jazlyn Walia Grade 8 Town Danbury Maria Eduarda Silva Grade 8 Town Danbury Isis Brito Do Carmo Grade 8 Town Danbury

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

Danbury Wooster School Parvin Taraz

CTRQNets & LQNets: Continuous Time Recurrent and Liquid Quantum Neural Networks 6077

Student(s) Alejandro Mayorga Grade 10 Town Danbury

- * Connecticut Science Fair Association Mathematics Awards --- 1st Place High School- \$300 and Plaque
- * Infosys Foundation Computer Science Awards --- Senior High Finalist Medallion

Darien Darien High School David Lewis

Association Between Food Insecurity and Mortality Outcomes Among Cancer Survivors in the United States 3131

Student(s) Lily Keehlwetter

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

Grade 12

Town Darien

* RNP Regenerative Medicine Excellence Awards --- \$250 - Excellence in Translational Medicine

Darien Darien High School David Lewis

SLE B cells have an increase in interferon alpha/beta singaling compared to DLE B cells 3090

Student(s) James Smith

Grade 12 Town Darien

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

East Lyme High School Frederic Clark

SleepWatcher 3059

Student(s) Sashrika Das Grade 9 Town East Lyme

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

Enfield Academy of Computer Science & Engineering Melissa Gates

Does solar wind impact the production of northern lights?

Town Manchester Student(s) Mickiyah Smith Grade 9

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

2025 Regular Fair Awards

[SchTown] [School] [Teacher] [Proj#] [Project Title] Enfield Tim Coleman Chiaravalle Academy 4014 Measuring Radiation in Household Appliances and Investigating Shielding Techniques Grade 7 Town Tolland Student(s) Dominic Disibio Matthew Bielanski Grade 7 Town Enfield **Cayden Counter** Grade 7 Town Springfield * Pepsico Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion **Enfield** Chiaravalle Academy Tim Coleman 1012 Whats the best hydroponic soil? Grade 7 Student(s) Makenzie Pappas Town Enfield Lily Szwed Grade 7 Town Longmeadow Grade 7 **Jake Swanson** Town West Springfield * Alexion Biotechnology Awards --- 4th Place Biotechnology 7th grade - trophy Enfield Chiaravalle Academy Tim Coleman 4008 1 Step Towards a Greener World Student(s) Megan Quinby Grade 8 Town Windsor **Nathaniel Kelly** Grade 8 Town Longmeadow * EnergizeCT Alternative & Renewable Energy Awards --- 2nd Place Middle School - \$150 Cash and Trophy * Constellation Energy --- 1st: \$100.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy Enfield Chiaravalle Academy Tim Coleman 4019 Operating A Hydroponic System Using Rainwater Town Suffield Student(s) Zoha Shamsi Grade 8 **Antonina Borodii** Grade 8 Town Enfield * Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- Middle Schools- \$100 / trophy * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist - Medallion * EnergizeCT Future Sustainability Awards --- 1st Place Middle School - \$200 Cash and Trophy Farmington Farmington High School Alexandra Raymunt 6075 Soil Nutrient Tester with Rotating Strip Holder for Multi-Day Analysis Student(s) Jiayi Liu Grade 12 Town Farmington * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion Greenwich Brunswick School Dana Montanez 3528 Isolation of Regenerative Proteins in Echinoderms: A comparative analysis of amino acids sequences in Asterina sp. and P. miniata Student(s) Thomas Carney Grade 11 Town New Canaan Grade 11 Pierce Crosby Town Greenwich * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion Greenwich Brunswick School Dana Montanez 3501 Optimization of Aptamer AS141: An Effort to Increase Binding Efficiency to Nucleolin, an Overexpressed Protein on Cancer Cells. Grade 11 Town Greenwich Student(s) Jackson Cunningham **Henry Mayerfield** Grade 11 Town Scarsdale Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place - Life Sciences Senior High Team - Plaque * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion

2025 Regular Fair Awards

[SchTown] [School] [Teacher] [Proj#] [Project Title] Greenwich Brunswick School Dana Montanez 6502 Novel use of Beeswax as an Sustainable Medium to Improve the Efficiency and Scalability of Super-Hydrophobic Sponges in Cleaning up Oceanic Oil Spills Grade 11 Town Greenwich Student(s) George Kapp Grade 11 **Max Lanson** Town New Canaan * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences Senior High Team- \$300 (split) & Plaques Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 3rd Place HS- \$100, Plague Greenwich Brunswick School Dana Montanez 3537 The Damage of UV repellants and absorbents on Microfauna Found in and around Coral Reef Ecosystems Student(s) Jayden Montanez Grade 10 Town Greenwich **Callum Holl** Grade 10 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 Utilizing Electrodeposition for Marine Coastline Protection: A Sustainable Solution to Combat Erosion 6508 Student(s) Lincoln O'Donohue Grade 11 Town Old Greenwich Town Katonah Grade 11 Sean Mensi * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place - Physical Sciences Senior High Team - Plaque Greenwich Brunswick School Dana Montanez 3507 Creation of a Long-term, Biodegradable, Alkaline cube to locally offset the effects of ocean acidification in reef ecosystems. Town Port Chester Student(s) Tyrus Ostrowski Grade 10 **Nathaniel O'Connor** Grade 10 Town Chappagua * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High Team - CSF Medallion Greenwich Brunswick School Dana Montañez Identification and Isolation of the Disease-inhibiting Protein SCGB1D2 in Ungulates 3518 Student(s) Chris Pedlow Grade 10 Town Cos Cob Gabe Levy Grade 10 Town Greenwich * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High Team - CSF Medallion Central Middle School Andrew Bramante Greenwich 2505 Development of a Thyme Oil-in-Hydromed Wearable Anklet for the Natural, Effective Repellant of Ticks Grade 8 Town Greenwich Student(s) Clara Cahill * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences 8th grade- \$150 & trophy * Alexion Biotechnology Awards --- 1st Place Biotechnology 8th grade - \$200 & trophy * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC

- for selected top MS winners
- * J.A. Augustine and H. Glista Awards --- \$100 for excellence in Life Sciences

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Greenwich

Central Middle School **Andrew Bramante**

5513

Neutralization of Ocean Acidification, and Promotion of Additional Atmospheric CO 2 Sequestration, via a Melamine-PTFE-Mg(OH) 2 Floatable Sponge

Student(s) Tian-vi Chen

Grade 8

Town Greenwich

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 5th Place- Physical Sciences 8th Grade Ind. - trophy
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist Medallion
- * Alexion Biotechnology Awards --- 2nd Place Biotechnology 8th grade \$150 & trophy

Greenwich

Central Middle School Andrew Bramante

5504

Highlighting the Prevalence of Microplastics at Tod's Point Through Waste Water and Ocean Currents Using Scanning Electron Microscopy Analysis

Student(s) Carter Henske

Grade 8 Town Greenwich

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences 8th Grade - CSF Medallion
- Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion
- * Southeastern New England Marine Educators (SENEME) --- \$100 award and membership for student and teacher in SENEME - 1st Place Junior

Greenwich Eastern Middle School Andrew Bramante

2516 Investigating the Effects of Natural Remedies on Pine Pollen Antigen Levels to Combat Allergies

Student(s) William Chen

Grade 8

Town Greenwich

* Alexion Biotechnology Awards --- 4th Place Biotechnology 8th grade- trophy

Greenwich

Eastern Middle School Andrew Bramante

2506

Fabrication of a Biodegradable, Nutrient-Rich, Orange Peel-Loaded Hydrogel for Thermally-Programmed Release of Water to Maintain Soil Moisture

Student(s) Rajsi Choudhary

Grade 8 Town Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences 8th grade-\$200 & trophy
- Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 1st Place MS - \$200, Trophy
- * Pepsico Engineering Awards --- 2nd Place- Engineering MS- \$150 & trophy
- * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. MS Student in Engineering
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Sciences 8th Grade \$500 and invite to CSTA Award Banquet
- * Alexion Biotechnology Awards --- 3rd Place Biotechnology 8th grade \$100 & trophy
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners

Greenwich

Eastern Middle School Andrew Bramante

5501

Evaluating the Toxicity of Eco-Friendly versus Conventional Laundry Detergent Water Runoff via Analysis of Eisenia Fetida Mortality Kates

Student(s) Zain Haque

Grade 8

Town Riverside

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences 8th Grade - CSF Medallion
- Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion

2025 Regular Fair Awards

[SchTown] [School] [Teacher]

[Proj#] [Project Title]

Greenwich Eastern Middle School Andrew Bramante

5511 Field and Lawn Run-off Removal of Nitrates and Phosphates via an Iron & Eamp; Calcium Fortified Biochar

Student(s) Ellie Mao Grade 8 Town Riverside

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences 8th Grade Ind.- \$200 & trophy
- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist Medallion
- * Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade -\$500 and invite to CSTA Award Banquet
- * Alexion Biotechnology Awards --- 5th Place Biotechnology 8th grade- trophy
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners

Greenwich Eastern Middle School Andrew Bramante

2521 Unraveling Weather-Pollen Interactions: Machine Learning for Allergy Forecasting

Student(s) Siddharth Nimmagadda

Grade 8 Town Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences 8th grade- \$100 & trophy
- * Infosys Foundation Computer Science Awards --- 3rd Place Middle School- \$100, Trophy

Greenwich Greenwich Academy Katie Hertzmark

1001 Microplastics in Oysters

Student(s) Addison Garner Grade 7 Town Greenwich

Arabella Miller Grade 7 Town Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences MS Team- \$100 split & trophies
- * 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 --- 3rd Place MS- \$100, Trophy

Greenwich Greenwich Catholic School Timothy Koppe

4015 MedAssist (Smart medicine storage)

Student(s) Artem Perekhodko

Jose Miguel Bowles

Ben Ballester

Grade 7

Town stamford

Greenwich

Grade 7

Town Stamford

Grade 7

Town Stamford

- * Stanley Black & Decker Applied Technology Awards --- Middle School Finalist Medallion
- * Zepke Awards --- \$120 For the Best Use of Electronic Circuitry- Middle School
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3

Greenwich Greenwich Country Day School Nathan Haag

6108 Effectiveness of a Smart Traffic Light Utilizing IoT Technologies for High School Campuses

Student(s) Christian Suy Pineda

Grade 11 Town Stamford

- * EnergizeCT Future Sustainability Awards --- High School Finalist Medallion
- * MTU Aero Engines North America, Inc. --- MTU Aero Engines Mechanical Engineering Innovative Concept Award -\$250
- * J.A. Augustine and H. Glista Awards --- \$100 H. Glista Award for Physical Sciences

2025 Regular Fair Awards

[Teacher] [SchTown] [School] [Proj#]

[Project Title]

Greenwich Country Day School Greenwich Nathan Haaq

Optimizing Vertical Take-Off and Landing (VTOL) Aircraft Efficiency Through Propeller Design: Making Air Flight More 6099 Accessible, Affordable, and Sustainable

Student(s) Cooper Taylor

Grade 11 Town Greenwich

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place Physical Sciences Senior High Individual - \$300 & Plaque
- * Pepsico Engineering Awards --- 3rd Place- Engineering Senior High- \$100 & plague
- * 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
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF
- * American Institute of Aeronautics & Astronautics Connecticut Section --- \$200 award, certificate
- * MTU Aero Engines North America, Inc. --- MTU Aero Engines Mechanical Engineering Applied Principles Award -
- * Zepke Awards --- \$150 For the Best Use of Electronic Circuitry- Senior High

Greenwich Greenwich High School Andrew Bramante

6097 Development of Hybrid Servo-Pnuematic Lower-Body Exoskeleton for use as a Mobility Assistance Device

Grade 11 Student(s) Isaac Bell Town Riverside

- * 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 --- Senior High Finalist Medallion
- * Alexion Biotechnology Awards --- 3rd Place Biotechnology Senior High \$100 & plague

Greenwich High School Andrew Bramante

Real-Time Diagnosis and Alert of Computer Vision Syndrome, to Promote Healthy Screen-Time Habits 3152

Grade 10 Town Old Greenwich Student(s) Arnav Bhatia

* Infosys Foundation Computer Science Awards --- 1st Place High School - \$300, Plague

Greenwich Greenwich High School Andrew Bramante

Targeted Delivery of a Melittin Anti-inflammatory Peptide via a Eudragit-Coated Sporopollenin Exine Capsule, for Effective 3006 Treatment of Crohn's Disease

Student(s) Hannah Dcruz Grade 10 Town Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High - CSF Medallion
- * Pepsico Engineering Awards --- 2nd Place- Engineering Senior High- \$200 & plaque
- * Alexion Biotechnology Awards --- Finalist Biotechnology Senior High CSF Medallion
- * IEEE William R. Wessman Awards --- \$100 Honorable Mention

Greenwich Greenwich High School Andrew Bramante

Restoration of Sleep Cycle and Activity Interruption of Alzheimer's Rivastigmine Treatment with the Addition of Labetalol 3101

Student(s) Rachel Goldenberg

Grade 10 Town Old Greenwich

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

Greenwich Greenwich High School Andrew Bramante

Facilitated Ethylene Absorption and Freshness Preservation via All-Natural Sodium Chloride and

Grade 10 Town Riverside Student(s) Nishant Jain

- * Pepsico Engineering Awards --- Finalist Engineering High School CSF Medallion
- * Institute of Food Technologists, Nutmeg Section --- \$150 award + invitation to Awards Night Dinner with guest

6020

2025 Regular Fair Awards

Conn. Science & Engineering Fair [Teacher] [SchTown] [School] [Proj#] [Project Title] Greenwich High School Andrew Bramante Greenwich Development of a Novel Deep Reinforcement Learning Algorithm for Decentralized Real-Time Control of Autonomous 6051 Drones with Hardware-Independent Compatibility Grade 11 Town Greenwich Student(s) Henry Jin * Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion * Pepsico Engineering Awards --- Finalist - Engineering High School - CSF Medallion Greenwich Greenwich High School Andrew Bramante Design of a Biometric Trap for Spotted Lanternflies, Using Scent-Profiles of Ailanthus altissima 6041 Student(s) Rex Lu Grade 11 Town Greenwich * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion Greenwich Greenwich High School Andrew Bramante Fabrication of an Antibiotic Gelatin Hydrogel Delivery Mechanism for Atopic or Injectable Release of mRNA Vaccines 3083 Grade 10 Student(s) Neil Pendkar Town Old Greenwich * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion * Alexion Biotechnology Awards --- 4th Place Biotechnology Senior High - plaque Greenwich Greenwich High School Andrew Bramante 6009 Consideration of Location-specific Weather and Topographic Datasets to Model Efficient Deployment of Forest Fire Flame Retardants

Student(s) Iri Pullepu Grade 9 Town Old Greenwich

- * 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

Greenwich Greenwich High School Andrew Bramante

3146 Leveraging of Neural Network Design to Create High-Accuracy, Low-Latency Detection of Real-time

Student(s) Ryan Wadhwa

Grade 11 Town Riverside

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High - CSF Medallion
- * Infosys Foundation Computer Science Awards --- 3rd Place High School- \$100, Plaque

Greenwich Greenwich High School Andrew Bramante

> Lipid-Based Codelivery of Doxorubicin and siRNA PD-L1, as a Multi-function Chemo-immunotherapy, Selective to PDAC via its MUC1 Overexpression

Student(s) Lula Wang

3129

Grade 10 Town Old Greenwich

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High - CSF Medallion
- * Pepsico Engineering Awards --- 1st Place- Engineering Senior High- \$300 & plague and trip to ISEF
- * Alexion Biotechnology Awards --- 1st Place Biotechnology Senior High \$300 & plaque

Greenwich Greenwich High School Andrew Bramante

3011 A Novel Multi-Modal ML Approach for Early Detection of Alzheimer's Disease Using Clinical, Genetic, and MRI Modalities

Student(s) Keen-Yin Woo Grade 11 Town Riverside

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences Senior High- \$100 & Plaque
- * Pfizer Computational Biology and Bioinformatics Awards --- 2nd Place High School \$200, Plaque
- * Infosys Foundation Computer Science Awards --- Senior High Finalist Medallion

2025 Regular Fair Awards

[SchTown] [School] [Teacher] [Proj#] [Project Title] Greenwich Sacred Heart Greenwich Mary Musolino 4009 Advanced Water Purification using Activated Charcoal and Biochar Grade 8 Town SCARSDALE Student(s) Eliana Antenucci Mackenzie Malouin Grade 8 Town Rve * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist - Physical Sciences Jr Team - CSF Medallions Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist - CSF Medallion Greenwich Sacred Heart Greenwich Mary Musolino 2509 Testing the Effectiveness of Green and Black Tea as a Plant Nutrient Student(s) Paige Creegan Grade 8 Town Briarcliff Manor * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 4th Place- Life Sciences 8th grade- trophy * Association for Women Geoscientists --- Certificate & \$25 gift card given by CSEF Greenwich Sacred Heart Greenwich Mary Musolino 4001 Testing the Strength and Biodegradability of Watermelon Rind and Banana Peel-Based Bioplastics Stephanie Galvez Student(s) Grade 8 Town Greenwich **Bonnie Ukperai** Grade 8 Town Stamford Grade 8 Town Stamford Mia Cartagena Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences MS Team- \$200 (split) & trophies Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners Sacred Heart Greenwich Greenwich Mary Musolino 2514 Bamboo Bio-Plastic Grade 8 Town Greenwich Student(s) Olivia Hastings * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Sciences 8th grade - CSF Medallion * Ricoh Americas Corporation --- Certificate, \$25 gift card given by CSEF Greenwich Sacred Heart Greenwich Mary Musolino 1029 Creating and Testing Mango and Pomegranate Peel-Based Bioplastics as Food Packaging and a Plastic Bag Substitute Student(s) Mary McBreen Grade 8 Town Greenwich

Grade 8 **Abby Knox** Town Greenwich

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

Greenwich Sacred Heart Greenwich Joyce Reed

Student(s) Ann Slocum

The Effect of Gender, Age, and Costoclavicular Symmetry or Asymmetry on the Costoclavical Interval for Neurogenic 3001 Thoracic Outlet Syndrome (nTOS) Patients Grade 11

Town Pleasantville

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

2025 Regular Fair Awards

[SchTown] [School] [Teacher]
[Proj#] [Project Title]

Greenwich Sacred Heart Greenwich Mary Musolino Musolino

| 4020 | Using Clay Flocculation to Reduce Harmful Algae Blooms in a Body of Water

Student(s) Vivienne Vanderwilt Grade 8 Town Greenwich

Nora Mulcahy Grade 8 Town RYE

Ariel Almonacy Grade 8 Town Greenwhich

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences Jr Team CSF Medallions
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist CSF Medallion
- * Yale Peabody Museum --- In-person Behind the Scenes Tour of the Museum plus guardian. Winner must be >12 years old.

Greenwich Western Middle School Andrew Bramante

5502

Integration of Photoluminescent Manganese-doped ZnS Nanocrystals

Student(s) Alexandra Rothstein

Grade 8 Town Greenwich

- * 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 --- 2nd Place Middle School \$150 and Plaque, Medallion
- * EnergizeCT Alternative & Renewable Energy Awards --- 1st Place Middle School \$200 Cash and Trophy
- * Alexion Biotechnology Awards --- Finalist Biotechnology 8th grade CSF Medallion
- * Kiev Family Awards --- 2nd place \$150 For Excellence in Engineering Middle School

Hamden Hall Country Day School Sarrah Gavin

3123 The Association Between Treatment Choice and Breast Cancer Survival

Student(s) Anna Aslan Grade 9 Town Hamden

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

Hamden Hall Country Day School Lucia Jilaveanu

3140 Caveolin-1 as a Biomarker and Potential Mediator of Melanoma Brain Metastasis

Student(s) Andrei Balas

Grade 11 Town Cheshire

- * 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
- * Regeneron Biomedical Science Award --- Certificate & \$375.00 cash

Hamden Hall Country Day School John Scaife

Using Higuchi's Fractal Dimension and Kernel-Based Learning to Monitor Tremor Severity and Gait Dynamics in

Parkinson's Disease

Student(s) Helena ChaineGrade 12Town OrangeLinda ChenGrade 11Town WoodbridgeLeon JiangGrade 11Town New Haven

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

Hamden Hamden Hall Country Day School Paulomi Aldo

How does dimple patterns affect a golf balls flight?

Student(s) David Esposito Grade 7 Town North Haven

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences 7th Grade CSF Medallion
- * Talcott Mountain Science Center & Academy --- TMSC Founder's Award Middle School Physical Science Scholarship to one Summer or Saturday Program at TMSC Value \$650

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Hamden Hall Country Day School Robert Link

Development and experimentation of an AI algorithm alongside a Near-Infrared LED device to assist in venipuncture.

Student(s) Neev Makin

Grade 11 Town Hamden

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High CSF Medallion
- * Stanley Black & Decker Applied Technology Awards --- Senior High Finalist Medallion
- * Lunch with a Patent Attorney --- Lunch with a Patent Attorney
- * Jon Stone Memorial Award --- Jon Stone Award for Innovative Engineering- \$100

Hamden Hall Country Day School Daniel Kemp

3065

The role of glucose transporter 4 in cardiac virus infection

Student(s) Yidi Peng

Grade 11 Town Woodbridge

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

Hamden Hall Country Day School Jacob Marchesi

Energy Absorption Efficiency of Various Crumple Zone Materials in Pendulum Impact Tests on Model Cars

Student(s) Frida Ramirez Moreno

Grade 10 Town Meriden

Barbara Ramirez Moreno

Grade 11 Town Meriden

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences Senior Team CSF Medallion
- * Connecticut Association of Physics Teachers --- \$100 Senior project

Hamden Hall Country Day School Yang Yang-Hartwich

Enhancing Ovarian Cancer Treatment in Chemotherapy Resistant BPRN-101 & BPRN-129 Cell Lines Utilizing Exosomal

Chemotherapy Delivery

Student(s) Sophia Vash

Grade 11 Town Fairfield

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 4th Place- Life Sciences Senior High- Plaque

Hamden Hall Country Day School Paulomi Aldo

2008 How do levels of U.V. light affect bacterial growth or mutations?

Student(s) Matthew Wallis

Grade 7 Town Hamden

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

Hamden Hall Country Day School Paulomi Aldo

1015 Curing E.Coli with antibiotic vs. Human Impact

Student(s) Bella Zhou Grade 8 Town Hamden, New Haven

Gabriela Pereira Grade 7 Town Hamden

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences MS Team- trophy
- * Alexion Biotechnology Awards --- Finalist Biotechnology 8th grade CSF Medallion

Kent Kent School ZIHAO DU

6100 Three-Support Lower-Limb Exoskeleton Device Integrating Multifunctionality and Feedback Mechanisms

Student(s) OliviaLu Feng

Grade 11 Town Guangzhou, China

- * Pepsico Engineering Awards --- Finalist Engineering High School CSF Medallion
- * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. HS Student in Engineering
- * IEEE William R. Wessman Awards --- \$250 Honors Award -Senior
- * Zepke Awards --- \$150 For the Best Use of Electronic Circuitry- Senior High

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Lakeville The Hotchkiss School Richard Kirby

3039

Meta-analysis and Design of a Panel of Biomarkers Associated with Schizophrenia for the Development of a Comprehensive Diagnostic Test for Schizophrenia

Student(s) Sia Reddy

Grade 11 Town Avon

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

Manchester

Manchester High School Wendy Turek

3073

The Effect of Nitrogen Enrichment on the Arousal of Astrangia Poculata from Quiescence

Student(s) Bailey Downey

Grade 12 Town Manchester

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

Manchester Manchester High School Wendy Turek-Hernandez

3153

Flood Wave Reduction Due to Artificial Reefs

Student(s) Anas Hales

Grade 12 Town Manchester

- * 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 --- 4th Place High School - Plaque, Medallion
- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEFF

Manchester

Manchester High School Wendy Turek-Hernandez

3124

The Biodegradation of UV Treated Polypropylene and Polyethylene Terephthalate by Aspergillus Terreus

Student(s) Mia Hernandez

Grade 12 Town Manchester

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

Manchester

Saint James School Brianna Hawkins

5520

Why is wool warmer than most fabric?

Student(s) Saanvi Sethi

Grade 8

Town Manchester

- Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences 8th Grade Ind. - trophy
- * Arthur & Ruth Mensing Awards --- Mensing Award Excellence in the High School Physical Sciences \$500
- * NYUC Pony Club Equine or Animal Science Award --- \$100 Cash Award for excellence in equine studies

Milford Platt Technical High School Sara Bruno

6516

Green Growth Academy

Grade 11 Student(s) Danyalis Perez-Cumba Town North Haven Maureen Freire-Trejo Grade 11 Town Bridgeport Grade 11 Town Bridgeport Karen Plazas

- * EnergizeCT Technical High School Science & Technology Awards --- Technical High School Finalist medallion
- Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - 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.
- * Alumni Botany Awards --- Alumni High School Botany Award- \$150 Cash

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Montville

Puryear Homeschool Mary Purvear

5008

How to Use Windows to Get the Optimal Air Flow in a Room

Student(s) John Puryear

Grade 7

Town Uncasville

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

* EnergizeCT Future Sustainability Awards --- 2nd Place Middle School - \$150 Cash and Trophy

New Haven

Engineering and Science University Magnet School Alyssa Anderson

3519

A Comprehensive Method to Combat Antibiotic Resistance in Soil Microbes: Integration of CRISPR-Cas 9 Gene Editing and Nanoparticles for Enhanced Biodegradation of Pollutants

Town Milford Student(s) Sahithi Aliminate Grade 10

Saket Aliminate Grade 11 Town Milford

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences Senior High Team- \$200 (split) & Plaque

New Haven

Engineering and Science University Magnet School Alyssa Anderson

3008

Evaluating LYVE1 Gene Expression in Breast Cancer Using qPCR Analysis and Comparing with Hyperparameter-Tuned Models for LYVE1 Gene Expression in Pancreatic Cancer

Student(s) Nivrith Ananth Iver

Town West 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 --- 3rd Place High School - \$ 100 and Plaque, Medallion
- Society for In Vitro Biology --- Certificate and \$25 gift card given by CSEF

New Haven

Engineering and Science University Magnet School Paula Matei-Grysiak

3003

Implementation and Validation of a Novel Machine-Learning-Based Mobile Gyrocardiography System for Arrhythmia Detection

Student(s) Ethan Joseph

Grade 10

Town West Haven

- * 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
- * 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
- The Community Foundation for Greater Hew Haven's Milton Fisher Awards for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$100 cash

Engineering and Science University Magnet School Alyssa Anderson

5512

Investigating the Chemical Properties and Efficiency of Homeade Batteries: A Focus on Voltage, Energy and Chemical Reactions

Student(s) Anabelle Silverman

Grade 8 Town New Haven

- * Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- Middle School Finalist - 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
- * Freeman Family Excellence in Chemistry Awards --- \$100 For Excellence in Chemistry or Chemical Engineering -Middle School
- * Demos R Us Awards --- \$200 Cash Award- Clear Execution of Research- 8th Grade

2025 Regular Fair Awards

[SchTown] [School] [Teacher]

[Proj#] [Project Title]

New Haven Foote School Elliot Dickson

2016 Studying Muscle Memory in Planaria to Understand Neurodegenerative Diseases

Student(s) Jessica Park

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 5rd Place- Life Sciences 7th grade-trophy

Town New Haven

- * Alexion Biotechnology Awards --- 1st Place Biotechnology 7th grade \$200 & trophy
- * Talcott Mountain Science Center & Academy --- TMSC Founder's Award Middle School Life Science Scholarship to one Summer or Saturday Program at TMSC - Value \$650

Grade 7

New Haven Sound School Chuck Mulligan

3042 Evaluation of Potential Filtration Enhancements Applied to Municipal Water: Assessing Potential Ways to Reduce

Enterococcus Bacteria Levels Discharging From Wastewater Facilities

Grade 12 Student(s) Britney Xochipiltecatl Cuahtepitz Town New Haven

- * 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 --- 3rd Place- High School- \$100 / plaque
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition

New Haven Wilbur Cross High School Michael Sang

6070 Exploring the Convergence of Juggler Sequences

Student(s) Julian Theodore

Grade 11 Town New Haven

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences Senior High - CSF Medallion
- * Connecticut Science Fair Association Mathematics Awards --- 3rd Place High School \$100 and Plaque
- Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 2nd Place High School - \$200 and Plaque, Medallion
- University of Hartford Scholarships --- University of Hartford Scholarship For Excellence in Engineering or Technology, Grade 11 only - \$30,000 (\$7500/year)

New Haven Worthington Hooker School Douglas Jones

1020 Does Plant Orientation Affect Growth

Student(s) Sieun Yoo Grade 8 Town New Haven Grade 8 Clarissa Castilio Town New Haven

- * 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 --- 5th Place Middle School - Trophy, Medallion
- * Yale Peabody Museum --- In-person Behind the Scenes Tour of the Museum plus quardian. Winner must be >12 years old.

North Haven Slate School Jennifer Staple-Clark

Petri Dish Experiments Exploring Bacteria Growth in Soil Samples With and Without Nitrogen-Fixing Bacteria 2004

Student(s) Pierson Clark

Grade 7 Town North Haven

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

Norwich Norwich Technical High School Aleatha Pelloni

3515 eDNA Testing for Invasive Species

Grade 11 Town Norwich Student(s) Jarelis Acevedo

- Nora Van Haitsma Grade 11 Town Norwich
 - * 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 --- 2nd Place- Technical High School, \$200,
 - Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist - CSF Medallion

2025 Regular Fair Awards

[SchTown]

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[Project Title]

Norwich Norwich Technical High School Aleatha Pelloni

3012 Proving Microplastics Transfer from Water to Living Organisms Through Vegetation

Student(s) Solibella Davis

Grade 11 Town New London

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High CSF Medallion
- * EnergizeCT Technical High School Science & Technology Awards --- 1st Place- Technical High School, \$300, Plaque & Stipend to Compete at GENIUS Olympiad
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- HS Finalist CSF Medallion
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition
- * University of Hartford Scholarships --- University of Hartford Scholarship For Excellence in Science or mathematics, Grade 11 only \$30,000 (\$7,500/year)
- * RNP Regenerative Medicine Excellence Awards --- \$250 Excellence in Translational Medicine
- * GENIUS Olympiad --- GENIUS Olympiad Competition for 1st Place Technical High School

Norwich Norwich Technical High School Aleatha Pelloni

3509 Impact of Sunscreen Contaminants on Plutes Growth and Development

Student(s) Addison Hackett

Grade 11 Town Willimantic

Kaitlyn Tortorich

Grade 11 Town Windham

- * 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 --- 3rd Place- Technical High School , \$100, Plaque
- * Society for In Vitro Biology --- Certificate and \$25 gift card given by CSEF
- * University of New Haven Scholarship Awards --- University of New Haven 4 year scholarship \$104,000 (\$26,000 per year) for exemplary 11th grade project
- * University of New Haven Scholarship Awards --- University of New Haven 4 year scholarship \$104,000 (\$26,000 per year) for exemplary 11th grade project

Redding CT STEM Lindsay McCarthy

3027

Determining the Correlation between Physician's Perspective on Cannabis Legalization and Physician Comfort Discussing Cannabis Use with Youth Patients

Student(s) Janet Fan

Grade 11 Town Woodbridge

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

Redding CT STEM Lindsay McCarthy

3057

Evaluating the Antifungal Potential of Citronella and Cassia Essential Oils at Different Concentrations Against the Mycelia Growth of Bipolaris sorokiniana

Student(s) Elena Huber

Grade 10 Town Woodbridge

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High CSF Medallion
- * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF
- * RNP Regenerative Medicine Excellence Awards --- \$250 Excellence in Translational Medicine

Redding CT STEM Lindsay McCarthy

6106

Developing a Machine-Learning Driven Wearable Vest for Early Diagnosis and Management of Chronic Obstructive Pulmonary Disease through Vitals Analysis

Student(s) Aryan Shrivastav

Grade 10 Town Orange

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

Redding Joel Barlow High School Paul Testa

3122 Al Prediction: Randomized Clinical Trial Enrollment

Student(s) Arianna Pereira

Grade 11 Town easton

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

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Redding Joel Barlow High School Paul Testa

6059

Evaluating Market Efficiency Through Deep Learning: A Performative Analysis of LSTM Neural Networks, Actor-Critic Reinforcement Learning Models, and Technical Indicators

Student(s) Brian Weiss

Grade 11 Town Redding

- * Connecticut Science Fair Association Mathematics Awards --- 2nd Place High School- \$200 and Plaque
- * Infosys Foundation Computer Science Awards --- Senior High Finalist Medallion

Salisbury Indian Mountain School Sonya Friel

1011 Microneedle

Microneedle constructs for cutaneous slow-release insulin and GLP-1 in diabetes mellitus

Student(s) Tianyu Xie

Grade 8 Town Lakeville

Yiheng Zhao Grade 8 Town Lakeville

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Sciences Middle School Team CSF Medallion
- * Stanley Black & Decker Applied Technology Awards --- 3rd Place Middle School \$100 and Plaque, Medallion
- * Alexion Biotechnology Awards --- Finalist Biotechnology 8th grade CSF Medallion

South Windsor South Windsor High School Suma Basavarappa

3144

SiExo: Modular Bayesian-Optimized Dual-Ligand TfR/RVG Exosomes for siRNA Delivery and BBB Transcytosis in CNS Neurotherapeutics

Student(s) Samarth Basanth

Grade 11 Town South Windsor

- * 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
- * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF

South Windsor South Windsor High School Sivagami Chockalingam

3067

Targeting Telomerase Activity in Malignant Cancer Cells: RNA Interference and Enzymatic Inhibition to Induce Growth Arrest, Senescence, and Block Metastatic Dissemination

Student(s) Srinidhi Karthik

Grade 11 Town South Windsor

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences Senior High- \$300 & 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
- * University of New Haven Scholarship Awards --- University of New Haven 4 year scholarship \$104,000 (\$26,000 per year) for exemplary 11th grade project

South Windsor South Windsor High School Danel Eitel

6514 Waste to Watts

Student(s)Rishi MuraliGrade 10TownSouth WindsorGavin LippiGrade 10TownSouth WindsorPrahaladhan RajarajanGrade 10Townsouth windsor

- * 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
- * Constellation Energy --- 2nd: \$100.00 Cash Grade 9 12: For Excellence in clean renewable / sustainable energy

South Windsor South Windsor High School Danel Eitel

[In-Situ Acetylene-Based Nitrogen Inhibitor To Reduce Soil-N loss in Cereal Crops

Student(s) Sanjay Rajan Grade 10 Town South Windsor

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

2025 Regular Fair Awards

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[Project Title]

South Windsor South Windsor High School April Davis

[6519] PFOAway: An Eco-Friendly, Affordable PFOA Absorbent & Degradation Tabletop Filtration Product

Student(s) Akhil Shunmugaraja

Grade 10 Town South Windsor

Neelesh Sathish

Grade 10 Town South Windson

- * EnergizeCT Future Sustainability Awards --- 1st Place High School \$300, Plaque & \$700 Stipend to Compete at GENIUS Olympiad
- * GENIUS Olympiad --- GENIUS Olympiad Competition for1st Place HS Future Sustainability

South Windsor South Windsor High School Danel Eitel

6501 Watt Box

Student(s) Mason Smith Grade 10 Town South Windsor

Prasun Modi Grade 10 Town South Windsor

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences Senior High Team- \$200 (split) & Plaques
- * EnergizeCT Future Sustainability Awards --- High School Finalist Medallion
- * Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research, \$100 cash award

South Windsor South Windsor High School Danel Eitel

6047

OatNET: Novel Neural Network architecture & mathematical model for reducing Dense Layer computational complexity via ternary weight decomposition & rank-1 magnitude approximation.

Student(s) Karthik Srikumar

Grade 10

Town South Windsor

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences Senior High Individual \$200 & Plague
- * Connecticut Science Fair Association Mathematics Awards --- High School Finalist Medallion
- * Infosys Foundation Computer Science Awards --- Senior High Finalist Medallion
- * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. HS Student in Computing
- * Maplesoft Awards for Applied Mathematics and Modeling --- Maple software, , gift packs, & T-shirt For Excellence in Mathematics

Southington Southington High School Ismail Agirman

3060 Mitigation of C

Mitigation of Cyclohexane Concentrations in Drinking Water using photosynthetic molecule Chlorophyll

Student(s) Esra Agirman

Grade 9 Town Southington

- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- 1st Place HS- \$300, Plaque and Stipend to Compete at GENIUS Olympiad
- * U.S. Metric Association --- Certificate & \$25 gift card given by CSEF
- * GENIUS Olympiad --- GENIUS Olympiad Competition for 1st Place HS Environmental Project

Stamford Bi-Cultural Hebrew Academy Chris Graseck

2009

The Effects of Dish Soap on Plants

Student(s) Caleb Moreen

Grade 7

7 Town Stamford

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 3rd Place- Life Sciences 7th grade- \$100 & trophy
- * Connecticut Association of Conservation and Inland Wetlands Commissions Environmental Sciences Awards --- MS Finalist CSF Medallion

Stamford King School Victoria Schulman

6057

LungSCOPE: A Multimodal Machine Learning-Based Framework for Overall Survival Prediction in Non-Small Cell Lung Cancer

Student(s) Parker Hayashi

Grade 12 Town Riverside

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences Senior High CSF Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist Medallion
- * Infosys Foundation Computer Science Awards --- Senior High Finalist Medallion
- * Pepsico Engineering Awards --- Finalist Engineering High School CSF Medallion

2025 Regular Fair Awards

[SchTown]

[School]

[Teacher]

[Proj#]

[Project Title]

Stamford

King School Victoria Schulman

6001

Making a Real-Time Water Quality Monitor

Student(s) Sowa Laryea-Adjei

Grade 11 Town Stamford

- * 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

Stamford

King School Victoria Schulman

6104

A Voice Controlled Robotic Arm for Assisting Complex Surgical Tasks

Student(s) Dillon Maltese

Town Greenwich Grade 11

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences Senior High Individual - \$100 & Plaque
- * Stanley Black & Decker Applied Technology Awards --- 1st Place High School \$300 and Plaque, Medallion
- * 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

Stamford

King School Victoria Schulman

3069

Understanding the effect of nutrient additives on the growth and performance of the seaweeds Saccharina latissima and Gracilaria mammillaris

Student(s) Lucia Vivanco

Grade 11 Town Stamford

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High - CSF Medallion
- Project Oceanology --- In1dividual 1 Marine Science Experience Camp spot + T-Shirt & cap (swag), First Place 8, 9, 10 grader valued at \$1095

Stamford King School Victoria Schulman

3026

Treating APOE4-induced TGFβ-mediated Perivascular Fibrogenic

Student(s) Leon Wang

Grade 11 Town Stamford

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

Stamford Laurel Springs School Vera Ulanovskaya

6046

Research on Autoimmune Disease Spectrometer (RAD-Spec): A Machine Learning-Based Application for Improving Accessibility to Autoimmune Research

Student(s) Victoria Makarov

Grade 11 Town Stamford

- * 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
- * Robert Francoeur Memorial Awards --- Creative or innovative project in engineering, computer science or mathematics by female students - \$100

Stonington St. Michael School Anna Grossomanides

5009

Acid Rain: how different materials dissolve in different vinegars

Student(s) Lucy Anderson

Grade 7

Town Pawcatuck

* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 3rd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy

Trumbull Agriscience & Biotechnology Center Kevin Boken

6503

Plant infused hydrogel bandage for improved wound care.

Student(s) Kate-Nicole Camotes

Grade 11 Town Milford

Abril Garcia-Martinez

Grade 11 Town Bridgeport

Leenov Sahar

Grade 11 Town Trumbull

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

2025 Regular Fair Awards

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[Proj#]

[Project Title]

Trumbull Trumbull Agriscience & Biotechnology Center Kevin Boken

3502 Symbiotic Synthesis: Exploring the Co-Culture of Spirulina and Bacillus subtilis for Enhanced CO. Absorption

Student(s) Autumn Settembre

Grade 9 Town Trumbull

Johnathon Lin

Grade 9 Town Bridgeport

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

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

Wallingford Choate Rosemary Hall Dan Ismailescu

6078 Largest Area of an Empty Rectangle Amongst Points in a Unit Square

Student(s) Benjamin Cha

Grade 10 Town Tenafly

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

Wallingford Choate Rosemary Hall Ben Small

Development of an Al-Enabled Pressure-Sensing Mat System and Validation of Novel Gait Biomarkers Through Multi-Sensor Fusion for Early Detection of Neurodegenerative Disorders

Student(s) Rhea Doshi Grade 10 Town Farmington

* 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

* Alexion Biotechnology Awards --- 5th Place Biotechnology Senior High - plague

* Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75,00 gift card given by ONR

Wallingford Choate Rosemary Hall Will Morris

3086 RNA Editing Strategies for Correcting USH2A Mutations Associated with Usher Syndrome

Student(s) Rachel Fan Grade 10 Town Wallingford

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

Wallingford Choate Rosemary Hall Shiyao Gu

6086 A Novel Fishbone-Shaped Smart Glove for Stroke Patients

Student(s) Jingyan Liu

Grade 9 Town Shanghai

- * Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place High School \$200 / plaque
- * Stanley Black & Decker Applied Technology Awards --- 3rd Place High School \$ 100 and Plaque, Medallion
- * Jon Chapitis Memorial Award --- Jon Chapitis Spirit of Innovation Award HS \$200
- * Biophysical Society --- Biophysics Award- \$100

Wallingford Choate Rosemary Hall ning tang

Development of Innovative Low-Frequency Sound Absorption Structures Using Advanced Metamaterials

Student(s) Neil Wang

6012

Grade 10 Town long island city

Town Wallingford

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences Senior High CSF Medallion
- * Connecticut Academy of Audiology Awards --- \$200 Award HS- For Excellence in Audiology and Acoustics, opport. to shadow an audiologist

Wallingford Choate Rosemary Hall Zhiyuan Hu

Olinical Application of Early Cancer Diagnosis: Supervised and Semi-Supervised Neural Networking for the Detection and Classification of Circulating Tumor Cells

Student(s) Yumeng Wang

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

Grade 11

- * Pfizer Computational Biology and Bioinformatics Awards --- 1st Place High School \$300, Plaque
- * Otero Family Award --- The Otero Family Award; \$250 cash

2025 Regular Fair Awards

[SchTown] [School] [Teacher]

[Proj#] [Project Title]

Waterbury ACES at Chase Rachel Murray

5015 Analyzing DNA
Student(s) Doreen Cajuste

Grade 7 Town Wolcott

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences 7th Grade Ind. trophy
- * National Center for Inquiry Learning --- Daniel & Maggie Award for Imagination MS \$100
- * Demos R Us Awards --- \$150 Cash Award-- Clear Execution of Research- 7th Grade

Waterbury ACES at Chase Rachel Murray

5001 What Materials Cause the Most Static Electricity to Light an Incandescent Light Bulb?

Student(s) LaRaina Johnson

Grade 7 Town Waterbury

- * EnergizeCT Alternative & Renewable Energy Awards --- Middle School Finalist Medallion
- * EnergizeCT Future Sustainability Awards --- Middle School Finalist Medallion
- * Constellation Energy --- 2nd: \$50.00 Cash Grade 7 8: For Excellence in clean renewable / sustainable energy
- * Bushnell Center for Performing Arts --- Pair of Tickets to Illuminate Dance for top project involving technology and lights for Arts Applications, if possible

Watertown Taft School Amanda Benedict

3105 Biomimetic Filtration: Applying the Voronoi Pattern of Sea Urchin Shells to Remove Lead from

Student(s) Dongeun Rhee

Grade 9 Town Watertown

- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist Medallion
- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEF
- * Aquarion Water Company --- 2nd. \$250.00 Cash Grade 9-12 For Excellence in Water Quality or Evironmental Managemen

Westport Greens Farms Academy Mathieu Freeman

6032 STUDYING THEORIES OF PREBIOTIC CHEMICAL EVOLUTION AND ABIOGENESIS BY TESTING THE PRESENCE OF THE PRECURSORS OF LIFE IN CLAY RESEARCH

Student(s) Lourdes Hassan

Grade 12 Town Wilton

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

Westport Greens Farms Academy Mathieu Freeman

5523 Investigating Modified Dental X-Rays in Novel Digital Computed Radiography Imaging for Emergency Medical Services

Student(s) Dylan Karpf

Grade 8 Town Westport

- * Stanley Black & Decker Applied Technology Awards --- 1st Place Middle School \$200 and Plaque, Medallion
- * Pepsico Engineering Awards --- Finalist Engineering Middle School CSF Medallion
- * Alexion Biotechnology Awards --- Finalist Biotechnology 8th grade CSF Medallion
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- * Lemelson Early Inventor Award --- Certificate & \$100 cash award from Lemelson Foundation
- * IEEE William R. Wessman Awards --- \$100 Honorable Mention

Westport Greens Farms Academy Juli Gerdes

Investigating miR-30a-5p Modulation and its Impact on Glucose Uptake and Insulin Sensitivity in 3T3-L1 cells for Metabolic Disorder Research

Student(s) Katerin Pineda Grade 12 Town Bridgeport

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 2nd Place- Life Sciences Senior High- \$200 & Plaque

2025 Regular Fair Awards

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Westport Greens Farms Academy Juli Gerdes

The Effect of Nrf2 inhibition through Bexarotene on the chemoresistance of Esophageal Squamous Cell Carcinoma and 3041 Esophageal Adenocarcinoma Cell Lines.

Grade 12 Student(s) Stella Savone Town Westport

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

Westport Greens Farms Academy Mathieu Freeman

Equus Caballus and Human Heart Rate Variability Synchronization as a Model for Potential Atrial Fibrillation Treatment 3050

Student(s) Adeline Thompson

Grade 12 Town Easton

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

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

Westport Staples High School Amy Parent

Effect of Diet on Lifespan, Tumor Burden and Wnt Signaling Activation in a Drosophila Apc1/Apc2-RasV12 Model of 3118

Colorectal Cancer Student(s) William Boberski

Grade 12 Town Westport

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

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

Westport Staples High School Amy Parent

The Effects of Vitamin D Supplementation on Duchenne Muscular Dystrophy (DMD) in C. Elegans 3048

Student(s) Nolan Franics Grade 11 Town Westport

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

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

Westport Staples High School Amy Parent

The Effect of the Nutritional Supplement, Curcumin, on Vulval induction to evaluate its role in Epidermal Growth Factor 3096

Driven Cancers

Student(s) Alexis Krenzer Grade 12 Town Westport

* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 5th Place- Life Sciences Senior High- Plague

* RNP Regenerative Medicine Excellence Awards --- \$250 - Excellence in Translational Medicine

Westport Staples High School Amy Parent

Effect of dietary sweeteners on lipid accumulation in obese C. elegans to evaluate if calorie-free sweeteners promote 3115 weight reduction. Grade 12

Town Westport

Town Wilton

Student(s) Sienna Young

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

Wilton Middlebrook School Allison Norful

Smart Sprouts: Automated Precision Care for Optimal Plant Health 1006

Student(s) Anamitra Arjun

Grade 7 **Anandita Arjun** Town Wilton

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

Grade 7

2025 Regular Fair Awards

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Wilton Middlebrook School Arnav Balaji

2522 Kidney Chronicles: Genes at Work

Student(s) Shushruth Balaji

Grade 8 Town Wilton

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 5th Place- Life Sciences 8th grade- trophy
- * Pfizer Computational Biology and Bioinformatics Awards --- 1st Place Middle School \$200, Trophy
- * Alexion Biotechnology Awards --- Finalist Biotechnology 8th grade CSF Medallion

Wilton Middlebrook School Jessica Garcia

Smart Eve: Assistive Glasses for the Visually Impaired

Student(s) Ishan Chugh

Grade 8 Town Wilton

- * Alexion Biotechnology Awards --- Finalist Biotechnology 8th grade CSF Medallion
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 7-8 project
- * IEEE William R. Wessman Awards --- \$250 Honors Award -Junior
- * Dreams Unlimited Award --- \$150 cash award and certificate
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2025 Invention Convention, May 3

Wilton Middlebrook School Leah Pariso

5013 Cell Shield: Investigating Materials to Block Non-ionizing Radiofrequency Radiation from Common Cell Phone Use

Student(s) Bennett Norful

Grade 7 Town WILTON

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place- Physical Sciences 7th Grade Ind. \$200 & trophy
- * Alexion Biotechnology Awards --- 3rd Place Biotechnology 7th grade \$100 & trophy
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- * American Society of Safety Professionals, CT Valley Chapter --- \$150 grade 7-8 project
- * Electric Boat Management Association Science and Engineering Research Awards --- Top Prize in Nuclear Energy \$200 Cash for top project that has innovative nuclear applications
- * Kiev Family Awards --- 3rd place \$100 For Excellence in Engineering Middle School

Wilton Middlebrook School Debbie Mallozzi

Bus Notification System with Raspberry Pi

Student(s) Vidit Prabhu

Grade 8 Town Wilton

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 2nd Place- Physical Sciences 8th Grade Ind. \$150 & trophy
- * Infosys Foundation Computer Science Awards --- 1st Place Middle School \$200, Trophy
- * Pepsico Engineering Awards --- 1st Place- Engineering Middle School- \$200 & trophy
- * Quinnipiac University Scholarships --- \$30,000, 4 year scholarship (\$7500 per year) to Quinnipiac U. MS Student in Computing
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- * IEEE William R. Wessman Awards --- \$100 Honorable Mention
- * Society of Women Engineers Hartford Section --- Scientific Calculator
- * National Center for Inquiry Learning --- Daniel & Maggie Award for Imagination MS \$100

Wilton Middlebrook School Janica Bagosy

1026 Ocean Acidification and Its on Plant Growth

Student(s) Alex Shiue Grade 8 Town Wilton
Kabir Rokkam Grade 8 Town Wilton

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences MS Team- \$200 (split) & trophies
- * Alexion Biotechnology Awards --- Finalist Biotechnology 8th grade CSF Medallion
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners

2025 Regular Fair Awards

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[Proj#] [Project Title]

Windsor Academy of Aerospace & Engineering Charles Copeland

The Fibonacci sequence and generating electricity

Student(s) Marcus Davis Grade 9 Town Broad Brook

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

Grade 12

Town Hartford

Windsor Academy of Aerospace & Engineering Thomas Brown

6096 Investigating Aerodynamic In Shapes of Drone: How will it affect the speed, efficiency, and drag?

Student(s) Aulona Misini

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

* IEEE William R. Wessman Awards --- \$100 Honorable Mention

Windsor The Loomis Chaffee School Larry Brackney

6520 Alternative Drivetrain System for Better Efficiency in FIRST Tech Challenge Robots

Student(s) Emma Chu Grade 11 Town Ludlow
Yejoo Kwon Grade 11 Town Saratoga

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

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

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

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

Windsor The Loomis Chaffee School Koby Osei-Mensah

Bioremediation of PFAS: Integrating Oyster Shell Waste from Connecticut's Oyster Trail

Student(s) Hyeonho Kim Grade 9 Town Windsor

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

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

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

Windsor The Loomis Chaffee School Koby Osei-Mensah

3051 Differences in Proliferating and Non-Proliferating Oligodendrocyte Precursor Cell Morphologies

Student(s) Yejoo Kwon Grade 11 Town Saratoga

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

Windsor The Loomis Chaffee School Koby Osei

6098 A Multi-Modal Modular Robotic System: Self-Assembly and Navigation in Complex Terrains

Student(s) Michael Ma Grade 9 Town Medina

* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 4th Place- Physical Sciences Senior High Individual - Plaque

* Infosys Foundation Computer Science Awards --- 2nd Place High School - \$200, Plaque

* IEEE William R. Wessman Awards --- \$100 Honorable Mention

Windsor The Loomis Chaffee School Koby Osei-Mensah

A Stroke of Genius: Applying Smart Wearable Technology to Record and Improve Freestyle Stroke in Competitive Swimmers

Student(s) George Mirgorodskiy Grade 11 Town San Mateo

- * Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences Senior High CSF Medallion
- * Stanley Black & Decker Applied Technology Awards --- 2nd Place High School \$200 and Plaque Medallion
- * Infosys Foundation Computer Science Awards --- Senior High Finalist Medallion
- * Electric Boat Management Association Science and Engineering Research Awards --- Top Prize in Nautical Research \$200 Cash for top project that has innovative nautical applications

2025 Regular Fair Awards

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[Teacher]

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[Project Title]

Windsor The Loomis Chaffee School Gauray Sharma

3049 RNA-Based Aptamers Targeting Claudin-5 Protein in Blood as a Biomarker for Suicidal Behavior

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

Windsor The Loomis Chaffee School Koby Osei-Mensah

Mismatch repair defciency drives resistance to alkylating agents, allowing for mutation accumulation 3143

Student(s) Lin Zhang

Student(s) Sahasra Reddy

Grade 11 Town Greenwich

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

Grade 10

Woodbridge Amity Regional High School Lindsay McCarthy

Developing a Wireless, Discreet, Precise, and Painless Piezoelectric Micropump System for Diabetes Patients

Student(s) Joy Deng

Town Orange

Town West Hartford

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

Grade 11

- * Stanley Black & Decker Applied Technology Awards --- Senior High Finalist Medallion
- * Alexion Biotechnology Awards --- Finalist Biotechnology Senior High CSF Medallion
- * Society of Women Engineers Hartford Section --- Scientific Calculator
- * University of Hartford Scholarships --- University of Hartford Scholarship For Excellence in Engineering or Technology, Grade 11 only - \$30,000 (\$7,500/year)
- * University of Connecticut Academic Excellence Scholarship --- Academic Excellence Scholarship (amount undefined) to a junior)
- * Jon Stone Memorial Award --- Jon Stone Award for Innovative Engineering- \$100

Woodbridge Amity Regional High School Sarah Reeves

Development of a Solar-Powered Floating Phytoremediation Device to Filter Methyl Red Dye Utilizing a Rotating Inner Disk 3136 for Enhanced Water Circulation

Student(s) Youlmin Lee

Grade 12 Town Woodbridge

- * 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 --- 1st Place- High School \$300 / plaque

Woodbridge Amity Regional High School Sarah Reeves

Enhancing Coral Reef Resilience Through Utilizing a Two-Part Dosing System to Increase the pH levels of CO. -Acidified 3128 Ocean Water

Student(s) Jason Liang

Town Woodbridge Grade 11

- * Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist Life Science Senior High - CSF Medallion
- Freeman Family Excellence in Chemistry Awards --- \$200 For Excellence in Chemistry or Chemical Engineering -High School

Woodbridge Amity Regional High School Sarah Reeves

Determining how Comorbid AUD/SUD impacts Ketamine Treatment Outcomes in Veterans with PTSD/MDD

Student(s) Mila Mejnartowicz

Grade 11 Town Woodbridge

- 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 Scholarship For Excellence in Science or mathematics, Grade 11 only - \$30,000 (\$7,500/year)

Woodbridge Amity Regional High School Sarah Reeves

Light-microscopy based connectomics: Achieving dense reconstruction of brain tissue using pan-expansion microscopy and 3043 GFP expression

Grade 11 Town Woodbridge Student(s) Mihir Nandy

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

2025 Regular Fair Awards

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[Teacher]

[Proj#]

[Project Title]

Woodbridge Amity Regional High School Nicholas Shamp

3147

Determining the Effects of Wood Density on the Survival, Growth, Development, and Adult Emergence of Anoplophora glabripennis

Student(s) Sabrina Osowiecki

Grade 12 Town Orange

- * 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

Woodbridge Amity Regional High School Lindsay McCarthy

6076

Developing a Solar-Powered Water Purification Device Using Hybrid Nanomaterials for Atmospheric Water Harvesting and Filtration

Student(s) Nikhil Petrov

Grade 12 Town Woodbridge

- * EnergizeCT Future Sustainability Awards --- 2nd Place High School \$200 Cash and Plaque
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition
- * U.S. Air Force --- Certificate & USAF Merchandise Package
- * GENIUS Olympiad --- GENIUS Olympiad Competition for HS Environmental, Energy, Ecology, or Biodiversity Project

Woodbridge Amity Regional High School Jacob Storeygard

6048

Using physics-based machine learning models to adjust flow rates of Herschel-Bulkley fluids in Direct Ink Writing 3D printing processes

Student(s) Jacob Storeygard

Grade 11 Town Woodbridge

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