

## Final Judging Results

#### **Award Legend**

Plaque Winners = 1, 2, ... Medalists = m Winners = w

## **Applied Technology Awards**

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

### Middle School

Westport Greens Farms Academy Mathieu Freeman

5523 P8 Investigating Modified Dental X-Rays in Novel Digital Computed Radiography Imaging for Emergency Medical Services

Award 1 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

- \* 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

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

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

TEEE WIIIIam H. Wessman /	wards wroo i loriorable ivieritie	J11		
Greenwich Western Middle School Andre	w Bramante			
5502 P8 Integration of Photolumines	cent Manganese-doped ZnS Nanc	ocrystals		
Award 2 Student(s) Alexandra R	othstein	Grade 8	Town Greenwic	h
Sciences 8th Grade Ind, - \$ * Stanley Black & Decker App * EnergizeCT Alternative & Re * Alexion Biotechnology Awar	sociation Physical Science Awards 100 & trophy lied Technology Awards 2nd Penewable Energy Awards 1st F ds Finalist - Biotechnology 8th place - \$150 - For Excellence in E	Place Middle S Place Middle S grade - CSF I	School - \$150 and F School - \$200 Cash Medallion	Plaque, Medallion
Salisbury Indian Mountain School Sonya	Friel			
1011 LT Microneedle constructs for	cutaneous slow-release insulin and	d GLP-1 in dia	abetes mellitus	
Award 3 Student(s) Tianyu Xie		Grade 8	Town Lakeville	
Yiheng Zhao		Grade 8	Town Lakeville	
<ul> <li>* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory Finalist - Life Sciences Middle School Team - CSF Medallion</li> <li>* Stanley Black &amp; Decker Applied Technology Awards 3rd Place Middle School - \$100 and Plaque, Medallion</li> <li>* Alexion Biotechnology Awards Finalist - Biotechnology 8th grade - CSF Medallion</li> </ul>				
Avon Talcott Mountain Academy Hannah	Marye			
	w-cost quadrupedal robots using s	warm mechar	nics on highway litte	er cleaning services
Awardm Student(s) Kwabena Ad	ldai - Boateng	Grade 8	Town East Hart	ford
	lied Technology Awards Middler Science Awards Middle Sch			
Bridgeport Geraldine Johnson Kelly Mulli	gan Mulligan			

2523 L8 Seeing the Unseen: Smart Glasses that Brings Sight to the Blind

Award M Student(s) Mariam Yousf Grade 8

- \* Stanley Black & Decker Applied Technology Awards --- Middle School Finalist Medallion
- \* Pepsico Engineering Awards --- 3rd Place- Engineering MS \$100 & trophy

Town Bridgeport



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Enfield Chiaravalle Academy CTim Coleman

Award m

Operating A Hydroponic System Using Rainwater

Antonina Borodii

Grade 8 Town Suffield
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

Greenwich	Central Middle School	Andrew Bramante

P8 Neutralization of Ocean Acidification, and Promotion of Additional Atmospheric CO 2 Sequestration, via a Melamine-PTFE-Mg(OH) 2 Floatable Sponge

Award m

Student(s) Tian-yi Chen

Student(s) Zoha Shamsi

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 Eastern Middle School Andrew Bramante

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

Award m

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 Greenwich Catholic School Timothy Koppe

4015 PT MedAssist (Smart medicine storage)

Award m Student(s) Artem Perekhodko

Jose Miguel Bowles Ben Ballester Grade 7 Town stamford
Grade 7 Town Greenwich
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



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High School

Stamford Kin	ng School Victoria Schulman	
6104 PS		rical Tasks
Award 1	Student(s) Dillon Maltese	Grade 11 Town Greenwich
	* Connecticut Science Fair Association Physical Science Awar Sciences Senior High Individual - \$100 & Plaque  * Stanley Black & Decker Applied Technology Awards 1st  * Alexion Biotechnology Awards Finalist - Biotechnology S  * Office of Naval Research- U.S. Navy / U.S. Marine Corps	t Place High School - \$300 and Plaque, Medallion Senior High - CSF Medallion
	Office of Mavai Nesearch O.S. Mavy 7 O.S. Marine Corps	- riigh School- Certificate, \$75.00 gift card given by Civit
Windsor The	Loomis Chaffee School Koby Osei-Mensah	
6002 PS	A Stroke of Genius: Applying Smart Wearable Technology to Swimmers	to Record and Improve Freestyle Stroke in Competitive
Award 2	Student(s) George Mirgorodskiy	Grade 11 Town San Mateo
	* Connecticut Science Fair Association Physical Science Awar Sciences Senior High - CSF Medallion  * Stanley Black & Decker Applied Technology Awards 2nd  * Infosys Foundation Computer Science Awards Senior High	d Place High School - \$200 and Plaque Medallion ligh Finalist - Medallion ering Research Awards Top Prize in Nautical Research
	- \$200 Cash for top project that has innovative nautical appli	lications
Wallingford (	Choate Rosemary Hall Shiyao Gu	
6086 PS		
Award 3	Student(s) Jingyan Liu	Grade 9 Town Shanghai
	* Petit Family Foundation Women in Science & Engineering Av * Stanley Black & Decker Applied Technology Awards 3rd * Jon Chapitis Memorial Award Jon Chapitis Spirit of Innov * Biophysical Society Biophysics Award- \$100	wards 2nd Place High School \$200 / plaque d Place High School - \$ 100 and Plaque, Medallion
Cheshire Che	eshire Academy Breanna Craft	
6013 PS		
Award m	Student(s) Deanna Dixon	Grade 11 Town Cheshire
	* Stanley Black & Decker Applied Technology Awards Sen * Infosys Foundation Computer Science Awards Senior High * Pepsico Engineering Awards Finalist - Engineering High * Society of Women Engineers - Hartford Section Scientific	ligh Finalist - Medallion n School - CSF Medallion
Greenwich G	reenwich High School Andrew Bramante	
6097 PS		okalatan far uga aa a Mahility Appiatanga Davisa
Award m	, and the second	
Awara	Student(s) Isaac Bell	Grade 11 Town Riverside
	* Connecticut Science Fair Association Physical Science Awar	ards with CMS Dorothy Minervino 5th Place- Physical

\* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist - Medallion \* Alexion Biotechnology Awards --- 3rd Place Biotechnology Senior High - \$100 & plaque

Sciences Senior High Individual - Plaque



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Hamden Hall Country Day School Robert Link

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

Award m

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

Windsor The Loomis Chaffee School Larry Brackney

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

Award m 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

3130 LS Bioremediation of PFAS: Integrating Oyster Shell Waste from Connecticut's Oyster Trail

Award m

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

Woodbridge Amity Regional High School Lindsay McCarthy

6017 PS Developing a Wireless, Discreet, Precise, and Painless Piezoelectric Micropump System for Diabetes Patients

Award m

Student(s) Joy Deng

Grade 11 Town Orange

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- Finalist Physical Sciences Senior High CSF Medallion
- \* Stanley Black & Decker Applied Technology Awards --- Senior High Finalist Medallion
- \* 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