



Connecticut Science & Engineering Fair

Quinnipiac University

March 6 - 18, 2023

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

Final Judging Results

Award Legend

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

Mathematics Awards

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

Middle School

5505 P8 Porosity, Permeability Rates, and Water Movement Through Various Commercial Crushed Rock Sizes as it Relates to Drainage Rock in the Excavation Trade

Award 1 Student(s) Leah Kozerefski Grade 8 Town Gilman

- * Connecticut Science Fair Association Physical Science Awards --- 4th Place- Physical Sciences 8th Grade Ind. - trophy
- * M&T Bank Mathematics Awards --- 1st Place Middle School- \$300 and Trophy
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Association for Women Geoscientists --- Certificate & \$25 gift card given by CSEF
- * Connecticut College-Physics, Astronomy, & Geophysics Dept. --- Junior Award: Certificate, & teeshirt & \$25 Amazon Card from CSEF
- * Society of Women Engineers - Hartford Section --- Scientific Calculator

4013 PT A project to benefit all of the community, with dual-language stock market course and ML stock price predictor, focusing on the Latino and Hispanic community.

Award 2 Student(s) Alejandro Mayorga Grade 8 Town Danbury
 Matthew Guzman Grade 8 Town Danbury CT 06810

- * M&T Bank Mathematics Awards --- 2nd Place Middle School- \$200 and Trophy
- * The Jackson Laboratory with Connecticut Academy of Science and Engineering Urban School Challenge Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion
- * Infosys Foundation Computer Science Awards --- 3rd Place Middle School- \$100, Trophy
- * Thermo Fisher Scientific Junior Innovators Challenge --- Nomination to compete in the Thermo Fisher Scientific JIC for selected top MS winners
- * Urban School Challenge 1st Place Middle School Awards --- USC Highest Placing 7th grader- Project Oceanology's Ocean Camp - \$875
- * Jon Chapitis Memorial Award --- John Chapitis Spirit of Innovation Award - MS \$100

5512 P8 Does Air Pressure Affect How Far A Soccer Ball Travels In The Air When Kicked?

Award 3 Student(s) Tyler Savoie Grade 8 Town Gilman

- * M&T Bank Mathematics Awards --- 3rd Place Middle School - \$100 and Trophy
- * U.S. Air Force --- Certificate & USAF Merchandise Package
- * Demos R Us Award --- \$200 Cash Award- Clear Execution of Research- 8th Grade
- * John S. Kendall Memorial --- \$500 John S. Kendall Award for Excellence In Mechanical Engineering - First Place



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High School

6046 PS League of Legends Esports AI: Training a Machine Learning Model in a Dynamic Gameplay Environment from Professional Human Experience

Award 1 **Student(s)** Mashnoov Chowdhury **Grade** 11 **Town** Bethel

- * M&T Bank Mathematics Awards --- 1st Place High School- \$500 and Plaque
- * University of New Haven Scholarship Awards --- University of New Haven 4 year scholarship - \$96,000 (\$24,000 per year)

6041 PS Measuring Our Place in the Solar System:

Award 2 **Student(s)** Ryan Emanuel **Grade** 10 **Town** Morris

- * Connecticut Science Fair Association Physical Science Awards --- Finalist - Physical Sciences Senior High - CSF Medallion
- * M&T Bank Mathematics Awards --- 2nd Place High School- \$300 and Plaque
- * Astronomical Society of Greater Hartford - The Charles Hammond Award for Excellence in Astronomy --- Senior Project-\$150, subscription to Sky and Telescope, ASGH membership and meeting invitation

6068 PS Research on the Equation of the Magnetic Field Caused by Magnets

Award 3 **Student(s)** Jiaxuan Su **Grade** 11 **Town** Suffield

- * M&T Bank Mathematics Awards --- 3rd Place High School - \$200 and Plaque

3100 LS Developing a machine learning model to preoperatively evaluate patient outcomes for complex orthopedic fractures

Award m **Student(s)** Suhail Irshad **Grade** 11 **Town** Orange

- * M&T Bank Mathematics Awards --- High School Finalist - Medallion
- * Infosys Foundation Computer Science Awards --- 3rd Place High School- \$200, Plaque