



Connecticut Science & Engineering Fair

Quinnipiac University

March 10 - 14, 2015

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

People's United Bank Mathematics Awards with ATOMIC

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

Middle School

Bozrah Fields Memorial School Evelyn Brown

5507 P8 Music Metrics and Fractals: Analyzing Different Genres of Digitized Music to Identify Input Metrics for Programming Fractal Representations of the Music with Mathematica

Award 1 Student(s) Genevieve Buckridge Grade 8 Town Bozrah

- Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place- Physical Sciences 8th Grade Ind, - \$100 & trophy, invite to compete Broadcom MASTERS
- People's United Bank Mathematics Awards - with ATOMIC --- 1st Place Middle School- \$150 from ATOMIC, and Trophy, \$300 from People's United Bank
- Xerox Computer Science Awards --- 1st Place Middle School - \$300, Trophy and Medallion
- Connecticut Association for the Gifted --- Leonardo Davinci 7-8 Grade \$50 Gift Certificate
- Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque

Bethel St. Mary School Mrs. McDonald

5043 P7 A Matter of Facts: Designing a Math App to Help Kids Learn Their Math Facts

Award 2 Student(s) Kevin Legnard Grade 7 Town Bethel

- People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place Middle School- \$100 from ATOMIC, and Trophy, \$200 from People's United Bank
- Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award

Plantsville J.F. Kennedy Middle School Mrs. Marongolia

5063 P7 How Accurate can your Local Weather Applications Be?

Award 3 Student(s) Trevor Messina Grade 7 Town Southington

- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
- People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place Middle School - Trophy , \$100 from People's United Bank

Manchester St. Bridget School Mrs. Kim Maysonet

5014 P7 Can The Weight of a Car be Accurately Weighed by Using an Air Pressure Gauge and a Ruler?

Award m Student(s) Ashleigh Purcell Grade 7 Town Manchester

- People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Arcylic Award

Trumbull Christian Heritage School Mrs Oshin

5549 P8 The Effect of Catapult Arm Length on the Distance the Projectile Travels

Award m Student(s) Nicholas Rosselli Grade 8 Town Trumbull

- People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Arcylic Award



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High School

Ridgefield Ridgefield High School Michael Yagid

6086 PS Maximization of the Profit of a Large, Prestigious University in the Presence of a State University

Award 1 Student(s) Adam Davidovich Grade 12 Town Ridgefield

- People's United Bank Mathematics Awards - with ATOMIC --- 1st Place High School- \$150 from ATOMIC, Plaque, \$500 from People's United Bank
- University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Mathematics

Redding Joel Barlow High School Dr. Katherine Nuzzo

6059 PS A Statistical Analysis on the Effects of Volcanic Sulfate Emissions on Precipitation Patterns as Analogue for Geoengineering

Award 2 Student(s) Megan Siedman Grade 11 Town Redding

- People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place High School- \$100 from ATOMIC, Plaque, \$300 from People's United Bank
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate

Salisbury Salisbury School Tobias Ayer

6014 PS The physics of the space elevator construction.

Award 3 Student(s) Kyungmin Lee Grade 11 Town Salisbury

- People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place High School - Plaque, \$200 from People's United Bank
- Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award
- Barker Mohandas Award for Transportation Research --- \$200 Cash & Plaque for Excellence in Transportation Related Research- High School

Cheshire Cheshire High School Casey King

3072 LS Development of a Prescient Warning Model for Cholera Utilizing an Epidemiological Identification of Risk Factors

Award m Student(s) Shangda Xu Grade 11 Town Cheshire

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award
- Cell Analysis and Modeling Award - Center for Cell Analysis and Modeling at UCHC --- \$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center

Fairfield Fairfield College Preparatory School Mrs. Kiel

6029 PS Creating An Algorithm Based Off of The Quantum Turing Machine To Predict The Efficiency of Quantum Computational Operating Methods Using Benchmarked Simulated Environments

Award m Student(s) Junlin Mo Grade 10 Town Bridgeport

- People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award



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Westport Staples High School Dr. Nick Morgan
 6091 PS Smoking Gun in the Milky Way Galaxy: Open Clusters and Dwarf Galaxies

Award m **Student(s)** Xiaotian Zhang **Grade** 11 **Town** Westport

- People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award
- Astronomical Society of Greater Hartford --- Senior Project-\$100, subscription to Sky and Telescope magazine and ASGH meeting invitation